Remedial Investigation Work Plan
BCP No. C442065

Location:

Former Barnet Mills
Site No. C442065
20 Forbes Avenue
Rensselaer, New York 12144

Prepared for:

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LaBella Project No. 2220630

December 15, 2023

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ACRONYMS

AGV	Air Guidance Value
AHA	Activity Hazard Analysis
AOC	Area of Concern
ASP	Analytical Services Protocol
AST	Aboveground Storage Tank
BCP	Brownfield Cleanup Program
bgs	Below Ground Surface
CAH	Chlorinated Aliphatic Hydrocarbon
CAMP	Community Air Monitoring Plan
CBS	Chemical Bulk Storage
CFR	Code of Federal Regulations
CHA	CHA Consulting, Inc.
COC	Chain-of-Custody
COPC	Constituents of Potential Concern
CSM	Conceptual Site Model
CUSCO	Commercial Use Soil Cleanup Objective
DCE	cis-1,2-dichloroethene
DER	Division of Environmental Remediation
DER-10	Technical Guidance for Site Investigation and Remediation
DNAPL	Dense Non-Aqueous Phase Liquid
DUSR	Data Usability Summary Report
EDD	Electronic Data Deliverable
EIMS	Environmental Information Management System
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
ESI	Environmental Site Investigation
GPR	Ground Penetrating Radar
GQS	Groundwater Quality Standard
GV	Guidance Value
HASP	Health & Safety Plan
HFM	Historic Fill Material
HSO	Health & Safety Officer
IDW	Investigative Derived Waste
IH	Industrial Hygiene
IRM	Interim Remedial Measure
LaBella	LaBella Associates, DPC
LNAPL	Light Non-Aqueous Phase Liquid
MDL	Method Detection Limit
NYCDEP	New York City Department of Environmental Protection
NYCRR	New York Codes, Rules, & Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PBS	Petroleum Bulk Storage
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene
PFAS	Per- and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
PG	Professional Geologist
PID	Photo-ionization Detector

PPE	Personal Protective Equipment
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
QEP	Qualified Environmental Professional
REC	Recognized Environmental Condition
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RRUSCO	Restricted-Residential Use Soil Cleanup Objective
RUSCO	Residential Use Soil Cleanup Objective
SCG	Standards, Criteria, & Guidance
SCO	Soil Cleanup Objective
SDG	Sample Delivery Group
SI	Subsurface Investigation
SQG	Small Quantity Generator
SVOC	Semi-Volatile Organic Compound
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analyte List
TCE	Trichloroethene
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
UUSCO	Unrestricted Use Soil Cleanup Objective
VOC	Volatile Organic Compound

CERTIFICATION

I, Daniel Noll, PE, certify that I am currently a NYS registered professional engineer as and that this Remedial Investigation Work Plan (RIWP) was prepared in accordance with applicable statutes and regulations and in substantial conformance with the New York State Department of Environmental Conservation's (NYSDECs) Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10).

Dan Noll, PE
LaBella Associates, D.P.C

12/15/2023
Date

1.0 INTRODUCTION

LaBella Associates, D.P.C. ("LaBella") has prepared the following Remedial Investigation and Interim Remedial Work Plan (RIWP) to outline procedures and a scope of work intended to evaluate potential human exposure pathways and impacts to the environment, and to delineate impacted areas of concern at 20 Forbes Avenue, City of Rensselaer, County of Rensselaer, New York, hereinafter referred to as the "Site." (Refer to Figure 1a – Location Map).

The Site was entered into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) on April 3, 2023, and BCP No. C442065 has been assigned to the Site. LaBella Associates, DPC (Labella) is submitting this RIWP on behalf of BBL Barnett, LLC, the BCP Volunteer. The objective of the Remedial Investigation (RI) is to define the nature and extent of contamination at the Site. Implementation of this RIWP will support existing information, address data gaps to identify remedial areas of concern, and evaluate if on-site impacts are migrating off-site. The activities in this RIWP will be conducted consistent with NYSDEC Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation, issued May 3, 2010.

1.1 Site Background

The Site is comprised of a 6.33-acre parcel (Tax Parcel No. 133.-3-7) that includes nine vacant buildings (1, and 4 through 11), former substation foundation, and unmaintained parking areas, and a roadway. The Site is situated in an urban area with mixed commercial, residential, and utility land uses and is approximately 100 to 200 feet southeast of the Hudson River and 1,630 feet southwest of Interstate I-90. Residential properties are located south/southeast of the Site, a rail line and Hilton Park and Boat Ramp are located to the west, and vacant wooded land is located to the north. A Location Map is included as Figure 1a, Site and adjoining parcels are shown on Figure 1b, and the survey is provided as Figure 3.

The Volunteer plans to prepare the Site for remediation and redevelopment, which will include the rehabilitation of existing abandoned textile mill buildings into mixed commercial and residential uses (apartments). As part of the redevelopment, one of the current structures (Building 8) is proposed to be demolished. The buildings vary in size and number of stories. The Site is eligible to be listed in the National Register of Historic Places. A proposed Site Plan and Site Sketch plan are attached as Figure 2a and 2 b, respectively. A Site Survey map is attached as Figure 3.

The planned Remedial Investigation will determine the nature and extent of impacted material associated with former site operations including but not limited to a reported fill area located in the northern portion of the property and impacted subsurface material associated with former tanks (NYSDEC Active Spill #2104385).

1.2 Previous Investigations

1.2.1 *Phase I Environmental Site Assessment – July 2021*

A Phase I Environmental Site Assessment (ESA) was performed at the Site in July 2021 by Alpine Environmental Services, Inc (Alpine) of Albany, New York. The Phase I ESA identified the following Recognized Environmental Conditions (RECs):

- The facility was originally constructed as a brewery but was then converted to a textile mill called William Barnet & Sons All Wool Shoddy Mill. This industrial use occurred from 1905 into the 1960's. The industrial use of the mill with extensive industrial equipment that had to be maintained throughout this timeframe required lubricating chemicals, solvents and other types of chemicals that had to be stored, used and disposed of. No accounting for how these materials were used, stored and disposed is known. It is presumed that spills or spills from storage or disposal could have occurred over sixty years of industrial operations. Some testing of site soil and groundwater will be necessary to determine if adverse impacts to the subsurface have occurred.

- Use of the facility by The Hilton Center for decades renting to industrial and commercial tenants has included manufacturing, automotive repair and possible salvaging and other chemicals. Spills including discharge of oil to the ground, storage of large quantities of drummed chemicals and leaks in the storage areas have occurred and were documented by the City of Rensselaer and the New York State Department of Environmental Conservation in the 1980's and 1990's. Additional storage of chemicals in areas used to store vehicles, service and repair vehicles has also occurred during the Hilton Center timeframe and these areas are not documented. Extensive soil and ground water sampling across the Site will be necessary to determine if the documented spills and other spills that may have occurred and not been documented, have degraded site soil and groundwater quality to the extent that current regulatory cleanup standards may be exceeded in the site subsurface.

- Land filling has reportedly occurred in the northern end of the Site. A 2013 site inspection performed by CHA Consulting Inc. (CHA) reported an apparent dumping area for various debris was noted in the northern site area. A significant amount of construction and demolition type debris was noted in this area. CHA noted that based on appearances in this area in conjunction with past documented actions of the property owner (at that time), including the attempted burial of polychlorinated biphenyl (PCB)-contaminated electrical transformers, "there is reason to suspect the dumping or burial of potentially hazardous waste materials in this area". CHA recommended that test pits should be completed in this area to evaluate subsurface conditions and the potential presence of buried debris. Alpine agrees with this recommendation to address this REC.

- Multiple petroleum and chemical storage tanks have existed on the Site. Three tanks were registered with the DEC, two were reportedly closed, the third, a 550-gallon underground fuel oil tank remains listed on the registration as "Active". The location of this tank is not clearly identified in the PBS records obtained from the DEC. Other tanks referenced documents reviewed (i.e., spill reports, Sanborn maps, etc.) were not registered with the DEC. It is possible that any of these tanks may have leaked or that spills from filling the tanks could have occurred and contaminated site soil and groundwater quality. Any tanks still present must be properly registered and closed through the NYSDEC Petroleum Bulk Storage Program.

- A vent that may be a petroleum storage tank vent is present along the south side of Building #1. The site owner did not know the purpose of this vent. This vent should be investigated to determine if a storage tank is still present in this area of the Site. If present, this tank will have to be investigated and properly closed in accordance with NYSDEC storage tank closure regulations.

- According to historic mapping, a 100,000-gallon storage tank is present at or near the south end of building 5 and "large vaults" were reported by NYSDEC to exist beneath portions of the mill buildings. These tanks could contain chemicals or chemical residue from manufacturing operations or petroleum or chemicals that may have leaked beneath the building floors from storage or use of these liquids within the buildings. Additionally, it is presumed that all floor drains observed within the

mill buildings are likely to discharge to the stormwater system and ultimately to the river. Stormwater basins and other storm and floor drain structures may contain contaminants and would have to be inspected and sediments and liquids in them sampled to determine if contaminants remain within this system.

- An electrical power substation is present along the west side of the Site, to the east of Building 5. Multiple PCB oil containing transformers are likely to have been present within this substation. If transformers within the substation leaked to the ground, PCB and petroleum contaminated soil may exist within or adjacent to the substation area. If contaminants are present, and if the levels are above regulatory cleanup standards, remedial actions may be necessary to achieve regulatory compliance.

- Given the spills that have been documented on the Site by NYSDEC, including the uses and storage of drummed chemicals in the site buildings and evidence of spills from drummed chemicals, vapor intrusion from chemicals that may have leaked or spilled beneath the site buildings is possible. Vapor sampling should be completed beneath the lowest level building area floor slabs to determine if vapor mitigation will be necessary for re-use of any of the site buildings.

1.2.2 *Phase II Environmental Site Assessment – October 2021*

A Phase II Environmental Site Assessment was performed at the Site by Alpine between July and August 2021 to address the RECs identified in the Phase I ESA, issued July 2021. The scope of work consisted of a Ground Penetrating Radar (GPR) survey, soil vapor intrusion (SVI) testing, and a soil and groundwater investigation. The Phase II ESA was conducted to assess potential subsurface impacts to the Site from past uses of the properties, to determine if releases have occurred, and if so to evaluate potential BCP eligibility.

The findings and conclusions of the October 2021 Phase II ESA are as follows:

Ground Penetrating Radar Survey

- An anomaly, which appeared to be an underground storage tank (UST), was observed in the general area where a large vent pipe was observed along the southwest side of Building #1. The vent pipe was traced away from the building and an apparent underground storage tank was delineated in the gravel surfaced parking lot near the building. The apparent UST appeared to be between 30 and 35 feet in length, parallel with the building and at least 6-feet or more in diameter with the top of the structure approximately 3-feet below the parking lot surface. Piping to the building was apparent from the northern end of the UST to the area where the vent was present. A second potential UST was identified along the western side of Building #5. This area was delineated and marked for further exploration. No other UST' were evident in the areas of the Site explored during this survey. The GPR detected evidence of multiple subsurface utilities, appearing to be piping or conduit throughout the proposed test boring installation areas to the west of the site buildings and along the service road between buildings on the east side of the property. These utility locations were marked with spray paint and mapped to assure those areas were avoided when test borings were installed. These areas were additionally cleared by the mark-out services for the utility companies. Apparent natural gas lines, sanitary and storm sewer lines, and water service lines were identified in areas where drilling was planned and all were marked at this time. Based on the findings of the GPR survey, it appeared that two underground storage tanks USTs were identified on the Site, southwest of Building #1, in the area where the vent pipe was identified during the Phase I ESA, and a second area west of Building #5.

Soil and Groundwater Quality Investigation

Analysis of some Site soil and groundwater samples indicated the presence of volatile organic compounds and semi-volatile organic compounds, most petroleum in nature, in multiple locations on the Site. Soil, groundwater, and soil vapor sample results and exceedances are provided figures. The following impacts to soil and groundwater quality are discussed by the area of the Site where the impacts were identified:

- Building 1 Area: A #6 heating oil storage tank was identified along the southwest side of Building 1. Oily contamination which appeared to be #6-heating fuel oil was observed in test borings and in monitoring wells MW-1 and MW-2 along the western or downgradient side of this tank as well as test boring/monitoring well MW-20, at the northeastern corner of this building. Free phase oil was observed in borings B-1 and B-2 and in excavations when this tank was removed. This condition was reported to the New York State Department of Environmental Conservation (NYSDEC) at the time of discovery and was assigned NYSDEC Spill ID #2104385. The NYSDEC was present during the tank removal and indicated that the presence of free phase product (free oil in the soil and floating on the groundwater) is a condition that will require remedial action to, at the very least, remove the presence of the free phase product from the spill area. Additional exploration will be necessary in this area of the site to determine the size of the impacted area, and determine the extent of remedial actions, including the recovery of free phase oil from the ground, that will be necessary to meet NYSDEC cleanup objectives and close this spill. The closure (removal) of this storage tank and the steps to investigate and remediate this sill will be addressed subsequent to this Phase II ESA and will be addressed with separate reporting as this process progresses.

- Fill Area North End of Site: A series of test pits were excavated in the northern end of the Site where fill was reportedly placed on the Site during historic site ownership. Soil was screened in these test pits and samples were submitted to a testing laboratory from test pits where evidence of petroleum or chemical impacts appeared evident through field screening. Soil samples were submitted from test pits TP-1, TP-9 and TP-11. No contaminants exceeding NYSDEC soil cleanup standards were identified in the soil sample analyzed from test pit TP-9. Test pits TP-1 and TP-11 are adjacent in this area, and both were found to be impacted by odorous and oily contaminated soil conditions, generally below six feet of depth. Laboratory analysis of soil samples identified the presence of volatile organic compounds in this test pit area above cleanup standards for acetone, MEK and Toluene, PCBs, and metals (barium, cadmium, chromium, and lead). Groundwater monitoring well MW-11 was placed in the vicinity of test pit TP-1 and the water sample was found to exceed NYSDEC groundwater quality standards for Bis-(2-ethylhexyl) Phthalate, a semi-volatile organic compound (SVOC). It appears that contaminated soil, or some source of waste that has contaminated the soil in this area, was buried in this portion of the fill area and has contaminated the deep soils to levels that are likely to require mitigative measures. This condition is also a reportable spill and must be reported to NYSDEC as a spill separate from the underground storage tank spill on the south end of the site. Additional sampling will be necessary to fully delineate the depth and aerial extent of this contamination and determine how the waste can be properly remediated. It is likely that the impacted materials will have to be excavated, characterized for disposal, and transported to a licensed waste disposal facility. If some source of leaking contaminant is discovered (examples are buried waste drums or transformers etc.), the source or sources must be identified and similarly contained and disposed.

- Test Boring B-8 Area: Soil boring B-8 and Monitoring well MW-8 were placed along the west side of Buildings 6 and 7. Soil from this boring had oily staining and elevated PID readings, demonstrating concerns for the presence of volatile and semi-volatile organic petroleum or other similar contaminants. The sample was analyzed, and concentrations of acetone, chrysene and arsenic were

all found to exist in the soil at concentrations above the NYSDEC cleanup standards for these contaminants. Other petroleum related semi-volatile petroleum compounds were also present at concentrations just below the cleanup standard, indicating the presence of some type of oily petroleum in the soil. This condition demonstrated a third area of the Site where a petroleum spill may have to be reported and investigated to determine if cleanup actions are necessary. Further investigation in this area will be necessary to determine the extent of this impact. If the extent of this impact is found to be more widespread, or soils with contaminants higher in concentration are discovered, a spill cleanup including excavation and disposal of contaminated soil may be required to meet NYSDEC spill cleanup standards.

- Historic Substation: Sample analysis results for two soil samples collected from 0-1 foot of depth within the former electrical substation concrete enclosure did not indicate the presence of volatile organic compound (VOC) or PCB contamination above current standards.

- Stormwater System: Soil sample analysis results indicate the presence of low concentrations of VOC's and SVOC compounds in storm drain sediments. Minor exceedances of some SVOC compounds were identified in the storm drain sediments. Low concentrations of PCBs and metals, below cleanup standards, were also present in these sediment samples. There was no visual or odorous evidence of contamination in these sediments.

- Stormwater in the large holding tank was free of VOC and SVOC contaminants and levels of VOC contamination, substantially below groundwater quality standards, were detected in the DR-1 storm drain. None of these impacts suggest that the storm drain system is an ongoing source of site soil or groundwater contamination. Maintenance of these drains including removal and disposal of accumulated sediments, would serve to remove these remnant contaminants from the Site.

- All floor drains in site buildings should be cleaned of any residual waste that may be present in the drains and drain piping, and all drains must be either re-routed to appropriate and approved discharge locations (i.e., municipal sanitary sewer system) or abandoned by filling with concrete.

Soil Vapor Intrusion

- At the time of SVI sampling, the site buildings were not heated/cooled, and the buildings were substantially damaged with many windows broken and large air gaps in walls and doors, allowing outside air to free flow through building areas. As a result of the building condition, Alpine determined that indoor air sampling could not be performed in a way that would allow for a valid comparison to the New York State Department of Health (NYSDOH) vapor intrusion study regulatory guidelines. In an effort to make some determination relative to the threat of vapor intrusion into future restored building areas, Alpine did perform sub slab air quality sampling in representative lower level building areas.

- Sub slab soil gas test results from Building 1 suggest residential use indoor air screening levels will not be exceeded in the building. Sub slab soil gas test results from Building 4, 5, 6, 9, 10, and 11 suggest vapor intrusion is likely to occur. Vapor mitigation in these buildings is likely necessary dependent on building usage (except Building 4). An engineered sub-slab depressurization system could be designed and installed during the building renovation process to ensure that vapor intrusion is minimized in each of the buildings with soil gas exceedances of the target screening levels.

- Buildings 7 and 8 should be assumed to exceed the target screening level for VOCs in soil gas and treated accordingly when renovations occur. Additional considerations for shallow groundwater should be considered when planning renovations and vapor mitigation for these buildings as sub slab depressurization, the most common vapor mitigation technique, is incompatible with a near slab water table. Should the groundwater below these floor slabs be lowered, testing may be an option to further evaluate the potential for vapor intrusion in these two buildings.

The October 2021 Phase II report recommended the following:

- Further assessment is necessary to fully delineate the impacts in the areas identified. Because of the large scale and complexity of the property, and because of the extensive industrial history of use, there is some potential for localized impacts to areas between sampling points. If contaminated soil, groundwater, or subsurface tanks or structures impacted with contaminants are encountered during construction activities, it may be necessary to perform further focused assessments in these areas and to address localized conditions not meeting regulatory program requirements.

- The two USTs identified, and the spill associated with the 20,000-gallon 6-oil tank must be properly registered and fully closed through the NYSDEC PBS program and the spill must be addressed and mitigated to the satisfaction of NYSDEC. This process has been initiated with the removal and initial registration of both tanks by the site owner, and remedial actions for the spill have been initiated at this time. This process is ongoing at the time of this report and these actions are to be overseen and documented by Alpine through a separate UST and petroleum spill closure report.

1.2.3 *Underground Storage Tank Removal Oversight and Sampling for Closure (Alpine Environmental Services, Inc., February 28, 2022)*

On August 31, 2021, Alpine performed oversight and documentation of the removal of two USTs from the Site. A summary of UST removal activities is provided below:

1,000-gallon Oil/Water Separator Removal – August 31, 2021

- West of Building #5 was a steel tank with unconnected pipes. The tank was 4 feet in diameter and 10'-6" long and separated internally with a baffle system. No clear inlet or discharge pipe connections. The tank content appeared to be clean water with sandy sediment and was pumped by Mac-Son Industrial Services of Selkirk, NY. No evidence of oil or other chemical content in the tank (PID 0.0 ppm), and no evidence of impacts surrounding the tank. Tank was disposed off-site by Mac-Son Industrial Services.

- Sampling included collection of a bottom sample and four sidewall samples, representing conditions near center depth of the tank. LaBella notes that SVOC concentrations in the east and south wall samples reported SVOC concentrations greater than 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted-Residential SCOs (RRUSCOs).

20,000-gallon UST Removal – August 31, 2021

- South of Building #1 was a tank 10 feet in diameter and 31 feet in length with a capacity of 20,000 gallons. Top of the tank was four feet below ground and bottom of the tank was approximately 14 feet below grade. Mac-Son Industrial previously removed between 6,000 and 7,000 gallons of #6 fuel oil from the tank.

- Tank Removal Procedures:
    - Concrete covered the west end of the tank where piping for the tank vent and transfer lines exited the tank and traveled northward into the adjacent building; concrete and lines removed with an excavator.
    - Soil removed along the east end and along the north side of the tank in an effort to break it free for removal. Staged clean soil in a pile to the east of the tank and along the south edge. All stage soil was observed and screened with a PID to ensure that no contaminated soil was staged with clean soil. Petroleum-impacted soil was encountered at 14-15 feet below grade throughout the length of the tank excavation.
    - Approximately 20-30 cubic yards of petroleum-impacted soil was staged on polyethylene sheeting along east side of the building with a soil berm and secured with plastic and stones.
    - UST loosened out of the excavation and staged along the north side of Building #1 for off-site disposal.
    - Additional exploration identified that impacted soil extended at least 16 feet below grade from near the bottom depth of the tank. Because the quantity of impacted soil was determined to be substantial undefined, it was decided to leave impacts in place and delineate at a later date. Samples collected from the excavation walls (10 – 12 feet below grade) and bottom (17 feet below grade).
    - Free product of #6 fuel oil warranted the installation of two 2-foot diameter observation/ recovery wells to depths of 15 feet below grade prior to backfilling.
    - Excavation backfilled with clean soil and imported crushed stone near the surface.
    - Waste characterization for disposal included one composite sample from the staged impacted soil.

1.2.4 *Supplemental Site Investigation (SSI) – July 2022*

A Supplemental Site Investigation (SSI) was completed on July 7, 2022, by LaBella in response to NYSDEC BCP Pre-Application meeting input that additional analytical data are required to support the application for this Site's acceptance into the BCP. The SSI included an assessment of soil and groundwater conditions within the northern fill area, south of Building 4 in the 1,1,1-TCA area, and within the former substation area. The investigation included the installation of eleven (11) soil borings and four (4) temporary groundwater sampling points (TGSP), Site-wide groundwater elevation monitoring, and the collection and analysis of soil and groundwater samples to evaluate soil and groundwater quality.

Soil borings (SB-1 through SB-3) were advanced 20-feet below ground surface (ft bgs) within the northern fill area identified as TP-1, TP-9, and TP—11 in the October 2021 PIIESA. Soil boring SB-04 was advanced south of Building 4 in the 1,1,1-TCA area between MW-4 and MW-19. Groundwater was encountered in each boring location ranging from approximately 15 to 18.5 feet bgs. Shallow soil samples were collected from the two-foot depth interval and analyzed for PCBs. Subsurface soil samples were collected from the interval exhibiting the greatest field evidence of impacts and analyzed for PCBs and RCRA metals. Soil borings SB-1 through SB-4 were converted to TGSPs (TMP-1 through TMP-4). Grab groundwater samples were collected and analyzed for NYSDEC Part 375 list VOCs and RCRA metals (total and dissolved). Following the sampling, the borings were backfilled with native material, and the ground surfaces restored.

Shallow soil borings (SB-5 through SB-11) were advanced to 2 feet bgs within the historical electrical substation footprint and along the roadside. Shallow soil samples were collected from the two-foot depth interval and analyzed for PCBs.

LaBella removed dedicated tubing from monitoring wells MW-4, MW-8, and MW-11. and one month later, LaBella purged and sampled existing monitoring wells MW-4, MW-8, and MW-11 and analyzed samples for PFAS.

Laboratory analytical data were reviewed, tabulated, and compared to applicable NYSDEC standards, criteria, and guidance. The findings of the July 2022 SSI are as follows:

- Former 20,000-gallon UST: Light nonaqueous phase liquid (LNAPL) was observed in downgradient well MW-2.

- Former substation area: The concentration of PCB, Aroclor 1268, exceeded its RRUSCOs at SB-3.

- Northern fill area: Total lead, cadmium, and/ or chromium concentrations in three groundwater samples (TMP-1 through TMP-3) were greater than their respective NYSDEC Division of Water Technical and Operational Guidance (TOGS) 1.1.1 groundwater quality criteria (GWQC). However, the corresponding dissolved concentrations at these three locations were significantly lower and less than respective GWQCs, suggesting that the reported total concentrations were associated with sample turbidity and not actual groundwater quality.

- Building 4 1,1,1-TCA area: VOCs were not detected at SB-4 near Building 4, except for a low-level acetone concentration that is consistent with a laboratory artifact.

- PFAS were not detected in the three groundwater samples analyzed from existing monitoring wells MW-4, MW-8, and MW-11 with the exception of 2.3 ppt PFOA and 1.9 ppt PFOA in MW-4.

Observations and analytical data from the July 2022 SSI were used by LaBella to update the NYSDEC BCP Pre-Application package and included these supplemental investigation results.

1.2.5 *Phase I Environmental Site Assessment – February 2023*

A Phase I ESA was performed at the Site in February 2023 by Alpine. The Phase I ESA revealed evidence of RECs in connection with the Site as follow:

- Industrial usage and commercial auto storage & repair (and possibly salvage) usage of the Site: A long history of industrial manufacturing usage, and auto repair usage, of the Site was identified through this ESA process. Evidence was found showing chlorinated and non-chlorinated volatile organic compounds were used and stored at the site. This type of usage, predating regulations requiring special handling and disposal of hazardous substances and waste, presents a high risk for environmental contamination at the Site. A Phase II ESA (Alpine; 10/2021) and Supplemental Phase II ESA (Labella; 7/2022) were performed at the Site, both assessments showing exceedances of standards for volatile and semi volatile organic compounds in soil and groundwater, at several test locations, including west of buildings #6 and #7 (B-8/MW-8 location); south and west of Site building #4 (B-4/MW-4 location).

- The west side of Site building #9 was filled with automobiles during the 2021 Phase I and Phase II ESAs. At the time of this assessment, the automobiles have been removed and three waste drums, possibly containing waste motor oil are present, along with waste tires, in this area. Sampling beneath this section of the building may be necessary to determine if the storage or repair of automobiles in this building area has impacted subsurface soil or groundwater quality beneath this

building area. Waste drums should be removed and disposed according to waste characterized in each drum.

- Stormwater basin sediment: Soil sample analysis results from a Phase II ESA (Alpine; 10/2021) indicate the presence of VOC's and SVOC compounds in storm drain sediments. Exceedances of some SVOC compounds were identified in the storm drain sediments. Low concentrations of PCB's and metals, below cleanup standards, were also present in these sediment samples. Floor drain sediments at the Site should be assumed to contain contaminants exceeding standards unless tested to show otherwise and cleaned and disposed of properly.

- Land filling of hazardous substances at the Site: Land filling has reportedly occurred in the northern end of the Site. CHA reported as a result of a 2013 site inspection, that an apparent dumping area for various debris was noted in the northern site area. A significant amount of construction and demolition type debris was noted in this area. CHA noted that based on appearances in this area in conjunction with past documented actions of the property owner (at that time), including the attempted burial of PCB-contaminated electrical transformers, "there is reason to suspect the dumping or burial of potentially hazardous waste materials in this area". A Phase II ESA (Alpine;10/2021) included excavating eleven test pits in this area with sample collection and analysis. Volatile organic compounds, polychlorinated bi phenols (PCBs), and metals were detected at multiple locations in excess of NYS DEC standards. Groundwater collected in this area (location MW-11) indicates the groundwater standard was exceeded for bis(2-ethylhexyl) phthalate, a semi volatile organic compound. The results indicate that dumping of hazardous substances has likely occurred in this location and requires additional testing and/or remediation. The Brownfield Program application included these results for inclusion into the remedial investigation and remediation process.

- 1,000-gallon "oil water separator" tank soil sample exceedances: The 1,000 gallon "oil/water separator" tank was removed by the Site owner in 2021. No evidence of petroleum products being stored in the 1,000-gallon removed tank was observed. Soil samples collected from the tank excavation boundaries at the time of removal show several semi volatile organic compounds exceeded standards. Further investigation/ remediation may be necessary.

- Active spill listing for Site: The July 2021 Phase I ESA identified a potential tank south of Site building #1. The October 2021 Phase II ESA GPR scanning found a large sub surface anomaly at the location consistent with an underground tank. On August 31, 2021, and September 1, 2021, Bath Springs Development excavated and removed the tank, an estimated 20,000-gallon #6 fuel oil tank, and discovered the tank had leaked, prompting the spill reporting to the NYS DEC (Spill number 2104385). The contamination was still present greater than 30 ft below grade, beyond standard equipment excavation reach, given the limitations on expanding the sides of the excavation due to building foundation, adjoining roads, railroad tracks, and utilities. Free product was noted as evident on the groundwater surface, The spill remains open, and was included in the active Brownfield Program application submitted to the NYS DEC, for potential further investigation/remediation under that program.

- The appendix includes a 1989 Domernuth Environmental Services Environmental Field Study that identified a 550-gallon UST on the southern end of Building 4 (see image). A 550-gallon UST is listed as active in the PBS registration, but Alpine's geophysical survey of this area did not identify a UST and the nearby soil boring did not identify impacts greater than applicable SCOs.

Photograph #16 - Underground storage tank on southern end of Jelliff property.

- Vapor intrusion potential: Based on sub slab soil gas samples collected at the site presented in the Phase II ESA report (Oct 2021), vapor intrusion of volatile organic compounds is likely in the buildings at this site. Vapor mitigation design and installation is recommended before occupation of the buildings.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Description

The Site is comprised of a 6.33-acre parcel that includes nine (9) vacant buildings numbered 1 and 4 through 11, former parking areas, a roadway, and an open grassed area. The Site is situated in an urban area with mixed commercial, residential, and utility land uses and is oriented parallel to the Hudson River by approximately 100 to 200 feet southeast. The southeastern boundary includes wooded land that slopes down towards the developed Site area. Current zoning for the Site is Downtown Mixed-Use (MU-1). A Location Map is included as Figure 1a, Site and adjoining parcels are shown on Figure 1b, and the survey is provided as Figure 3.

The Volunteer plans to remediate and redevelop the Site, which will include the rehabilitation of existing abandoned textile mill buildings into 72 apartments for non-transient residential occupation and commercial space. As part of the redevelopment, building 8 is proposed to be demolished. The abandoned buildings vary in size and number of stories. A Proposed Site Plan and Site Sketch Plan are included as Figure 2a and 2b, respectively.

2.2 Site History

From 1873 until the 1960s, the Site uses included brewery operations, and a wool shoddy mill (which reclaimed wool scraps from textile mills and restored them into batched wool fabric for resale). In the 1960s, the Site buildings began being leased to numerous tenants for a wide spectrum of commercial, industrial, and fine arts uses that included an architectural firm, a photography studio, automobile repair, industrial manufacturing of wire products, studio space for musicians, storage space, and numerous other commercial uses. Landfilling occurred in the northeastern Site area. The Site operations ceased and is currently vacant with abandoned buildings that are not in use. Initial limited Site remedial efforts included the removal of the two Site USTs in August 2021. An area of petroleum-impacted soil was discovered and excavated following removal of a 20,000-gallon fuel oil UST southwest of Building 1 (open Spill #2104385) but impacted soil and free product remains.

2.3 Regional Geology/Hydrogeology

According to the NYSDOT Geotechnical Design Manual Chapter 3 NYS Geology, the region is located within the Hudson-Mohawk Lowland Physiographic Province. The USGS NYS Region Geologic Map, indicates the area is underlain by the Austin Glen Formation (Middle Ordovician).

2.4 Site Geology/Hydrogeology

The Site's bedrock is mapped on the Geologic Map of New York as Normanskill Shale, which is of Middle Ordovician origin. A review of the Surficial Geologic Map of New York indicates that surficial soils in the area are mapped as Hoosic gravelly-sand loam, transitioning to silty-clay udorthents. Based on a review of available information, including area topography, regional groundwater flow in the vicinity of the Site is expected to be west towards the Hudson River. Municipal water supply is or will be provided by the City of Rensselaer. Based on soil boring findings, on-Site unconsolidated geology consists of medium to coarse sand and gravel with fine sand, silt, and fine gravel fill materials between 5 – 10 feet below ground surface (bgs). Portions of the Site, particularly at the northern end where historic land filling operations reportedly occurred, are entirely comprised of a mixture of fill material. Fill material was generally a mixture of bricks, wood, concrete, metal, sand, and gravel. Depth to groundwater is documented between 3 feet to 18.5 feet bgs. Bedrock was not encountered during in the soil borings advanced at the Site.

2.5 Site Features

The topography of the Site slopes to the west towards the Hudson River. The central nominal site elevation is approximately 31-feet above mean sea level (ft amsl) with the grade varying between the eastern side at 70 feet amsl and 20 to 25 feet amsl along the western boundary where the Site meets the grade of a railroad bed. The Hudson River lies to the west of the railroad approximately 6-ft amsl. The eastern side of the property appears to have been substantially cut into a steeply sloping hillside which rises upward to the east. The Site is developed with vacant industrial use buildings covering a large portion of the parcel in addition to former parking areas and roadway. A Site Survey map of the Site is depicted in Figure 3.

2.6 Current and Future Site Use

The Site is currently unoccupied and contains nine vacant buildings previously used for industrial and commercial purposes including but not limited to textile mill operations. The proposed project would rehabilitate existing abandoned textile mill buildings into 72 apartments for non-transient residential occupation and commercial space. The apartments will consist of studio, one-, and two-bedroom apartments. The commercial areas will potentially be restaurant, office and self-storage uses. As part of the redevelopment, one of the current structures (Building 8) is proposed to be demolished. The buildings vary in size and number of stories. The project site is eligible to be listed in the National Register of Historic Places.

The planned goal of the remediation will be to achieve a Track 4 Restricted-Residential remedy, at a minimum, and potentially achieve the Track 2 the Restricted-Residential Site Cleanup Objectives (RRSCOs). This Remedial Investigation will determine the nature and extent of impacted material and fill material and the appropriate remediation approach.

2.7 Site Visit

LaBella performed a Site visit on May 19, 2023, with the NYSDEC, to confirm Site conditions and features and discuss the proposed site sampling plan prior to preparing this RIWP.

2.7.1 *General Observations*

The Site is improved with nine abandoned buildings numbered 1 and 4 through 11 and a historic electrical substation foundation. The buildings vary in size and stories. The Site is improved with an unmaintained roadway and parking areas. The eastern portion of the Site sits at a higher elevation than the western portion with a moderate slope separating the two areas.

2.7.2 *Monitoring Wells*

Twenty (20) groundwater monitoring wells, installed during the October 2021 Phase II ESA, were distributed across the Site. Groundwater was encountered at each monitoring well at depths between 3 feet bgs at MW-8 and 15.9 feet bgs at MW-11. A groundwater elevation survey confirmed the westward direction of groundwater towards the Hudson River.

3.0 STANDARDS, CRITERIA, AND GUIDANCE

Based on previous investigations at the Site, the primary chemicals of potential concern (COPCs) likely to be encountered at the Site are petroleum (BTEX -benzene, toluene, ethylbenzene, and xylenes) and chlorinated VOCs, SVOCs including polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and metals.

Applicable regulations at 6 NYCRR Part 375-6.8(b) provide that a Track 4 remedy meeting RRUSCOs may include remediation of contaminated hot spots with a surface cover system and Institutional Controls and/or Engineering Controls to prevent exposure of workers and future inhabitants to COPCs. In addition, the protection of groundwater standards in 6 NYCRR Part 375-6.8(b) will be evaluated for any soil contaminant that may continue to represent a potential source to the groundwater. To the extent Track 2 RRUSCOs can be met, these SCOs will also be applied.

Groundwater sample results will be compared to 6 NYCRR Part 703 Groundwater Quality Standards and Guidance Values and Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS).

4.0 CONCEPTUAL SITE MODEL

Pursuant to DER-10 Section 3.2.2, a Conceptual Site Model (CSM) has been prepared to develop a general understanding of the Site and evaluate potential human exposure pathways and impacts to the environment. This CSM considers Site history and context, including the factors that influence distribution, and fate and transport of remedy-relevant constituents, as well as potential receptors and pathways for exposure. These factors include potential sources and release mechanisms, the physical-chemical mechanisms that control constituent fate and transport, and the likely exposure pathways that govern the potential for adverse effects to human and ecological receptors. The CSM will be used to identify remedy relevant data gaps that will be addressed as part of the Remedial Investigation (RI).

4.1 Potential Sources and Areas of Concern

The following Areas of Concern (AOCs) have been identified based on review of previous environmental reports and Site observations and will be further investigated during the RI. Locations of Site AOCs are depicted on Figures 7a through 7d.

4.1.1 *Petroleum-Impacted Soil – Former 20,000-gallon UST (AOC-1)*

Petroleum-impacted soil remains in place following removal of a 20,000-gallon #6 Fuel Oil UST in the vicinity of Building 1. Samples obtained from the #6 fuel oil tank excavation walls and bottom (17 feet) indicated

elevated levels of PAHs in exceedance of RRUSCOs and CUSCO for Benzo(a)pyrene. Residual impacts are present to depths of at least 16 – 17 feet bgs per the UST removal report and to 30 feet per the February 2023 Phase I report. Further delineation is required to determine the size of the impacted area, and determine the extent of remedial actions, including removal of free phase oil from the ground, that will be necessary to meet NYSDEC cleanup objectives and close this spill. Delineation efforts will include sampling for insitu waste characterization of impacted soil should off-Site disposal be needed. In addition, RI will include sampling the soil pile that was generated during the 2021 UST removal.

4.1.2 *Petroleum-Impacted Soil – Former 1,000-gallon UST (AOC-2)*

Petroleum-impacted soil remains in place following removal of a 1,000-gallon oil-water separator UST west of Building 5. Two excavation sidewall samples identified elevated levels of PAHs in exceedance of RRUSCOs. Further delineation is required to assess the limits of the previously identified SVOCs.

4.1.3 *Area of 1,1,1-TCA (AOC-3)*

Previous borings/monitoring wells SB-4/MW-4 and SB-19/MW-19 were installed in the area west and south of Building 4. A chlorinated volatile organic compound known as 1,1,1-trichloroethane (1,1,1-TCA) was detected in both of these wells. The groundwater quality standard for this compound is 5 parts per billion (ppb) and the standard was exceeded at 32 PPB in MW-4, and was present, but below the standard at 0.71 ppb in MW-19. Further investigation of groundwater quality in this area will be necessary to look for an on-site source, assess the apparent extent of this impact, and evaluate potential remedial action.

4.1.4 *Contaminated Historic Fill Material – Northern Site Area (AOC-4)*

Contaminated historic fill material (CHFM) was observed during the Phase II ESA and specifically in the northern portion of the Site within a reported historic filling area. Construction & Demolition (C&D) debris including bricks, wood, concrete, metal, and sand and gravel were observed during the Phase II ESA. In addition, potential disposal of hazardous materials in the landfill is also likely due to reported on-Site disposal of PCB-containing transformers.

The results of the Phase II ESA performed within this area indicate the presence of elevated concentrations of VOCs in exceedance of RRSCOs for toluene, PCBs, and metals (i.e., barium, cadmium, chromium, and lead), but explorations were limited to 11 feet bgs. A groundwater sample was found to exceed NYSDEC groundwater quality standards for Bis-(2-ethylhexyl) Phthalate, a SVOC. Additional investigation is needed to assess the vertical extent of impacts. It appears that contaminated soil, or some source of waste that has contaminated the soil in this area, was buried in this portion of the fill area and has contaminated the subsurface soils to levels that are likely to require mitigative measures.

4.1.5 *Building 8 Trench Drain– (AOC-5)*

During the May 2023 site visit, NYSDEC requested investigation of the trench drain of Building 8 to assess for impacts from prior site activities.

4.1.6 *Arsenic and SVOCs at B-8/MW-8– AOC-6*

During the Phase II ESA, boring/monitoring well B-8/MW-8 were installed along the west side of Buildings 6 and 7. Soil from this boring had oily staining and elevated PID readings, demonstrating concerns for the presence of volatile and semi-volatile organic petroleum or other similar contaminants. Results indicated elevated concentrations of chrysene and arsenic in the soil at concentrations greater than UUSCO and RRUSCO, respectively. Other petroleum related SVOCs were also present but at concentrations less than

UUSCOs. Further investigation in this area is planned, including surface soil sampling, to assess the extent of this impact and determine if remedial efforts are needed. Nearby monitoring wells MW-9 and MW-10 did not show evidence of VOCs in the Phase II sampling.

4.1.7 *Additional Site Coverage –AOC-7a and 7b*

The total acreage of the remaining open Site area is approximately 1.2 acres

- 7A: During the May 2023 site visit with NYSDEC, investigation was requested in the southern leg of the Site that is a central section of a mowed area and a slight slope with trees. This area measures approximately 0.2 acres and does not extend to the curb, road, or railroad.

- 7B: As confirmed during the May 2023 site visit with NYSDEC, the eastern open Site area for investigation is limited to the area west of the base of the slope on the eastern Site area. This area measures approximately 1 acre, and much of this area is currently roadway and is planned to be road and parking areas.

4.1.8 *Suspect 550-Gallon UST–AOC-8*

A 1989 Domernuth Environmental Services Environmental Field Study identified a 550-gallon UST on the southern end of Building 4. This area will again be assessed during the geophysical for evidence of a UST. If an anomaly suggestive of a UST is identified, then it will be uncovered via test pit. If a UST is confirmed, it will be removed and closed as a Site Preparation effort with post-excavation confirmation soil sampling consistent with DER-10. If the geophysical survey does not identify evidence of a UST or a backfilled excavation, a test pit will still be installed in this area to assess subsurface conditions.

4.1.9 *Debris Piles –AOC-9*

Five debris piles were observed on the Site and including building material debris from an unknown source(s). These materials will be assessed for waste disposal relative to asbestos content as well as lead.

4.1.10 *Soil Vapor*

The results of the October 2021 Phase II ESA indicated the presence of VOCs in on-Site soil vapor exceeding their respective NYSDOH standards. Given the conditions of buildings, a soil vapor intrusion investigation cannot effectively be conducted.

We understand that after the buildings are airtight, indoor air sampling will be required. A subslab depressurization system (SSDS) may be installed as an IRM or site remedy.

4.2 Environmental Fate and Transport

Chemicals are transported or transformed in the environment through physical and kinetic processes. Physical processes including dissolution, vaporization, and adsorption result in the transfer of substances across media and phases. Kinetic processes, which include biotic and abiotic chemical transformations, decrease the concentration of a chemical by degrading it into other products. The degree to which, as well as the route by which, contaminants migrate is dependent on the physical characteristics of the site and the type and distribution of contaminants. The following sections discuss the probable fate and transport of contaminants in the different types of media at the project site.

4.2.1 *Soil*

LNAPL

June 17, 2022, in advance of planned PFAS sampling, select monitoring wells were checked for tubing (none was found) and monitoring well MW-2 was gauged for depth to water but no groundwater sampling was conducted. Petroleum-related LNAPL was reportedly observed at monitoring well MW-2, which is downgradient of the former 20,000-gallon UST. NAPL has not been observed in the other monitoring wells at the Site.

LNAPL is acted upon by three distinct forces due to: (1) gravity, (2) capillary pressure, and (3) hydrodynamic pressure. Upon release, LNAPL will migrate downward under the force of gravity. If a small volume is released, a fraction of the hydrocarbons will be retained in the soil pores, and the LNAPL mass will become depleted until it no longer moves. If sufficient LNAPL is released, it will migrate downward until it reaches a physical barrier, or until it reaches the capillary fringe above the water table. When it reaches the capillary fringe, some of the LNAPL may move laterally due to gravity capillary forces causing the LNAPL to share pore space with both water and air.

In the subsurface, LNAPL competes with water, air, and other fluids for available pore space. Below the groundwater table, the pores are initially saturated with water (i.e., water saturation is 100 percent). As the thickness of oil grows, the vertical pressure increases until the oil begins displacing the water from some of the pores. Generally, water is the preferred wetting fluid for the soil, and as such, it remains in the smaller voids or pore throats, allowing the oil to enter the larger pores. In the saturated soil below the water table, LNAPL constituents may exist in the LNAPL phase, or the dissolved-phase, or it may partition to the soil. Saturation is the relative fraction of total pore space containing a particular fluid in a representative volume of a porous medium. The mobility of LNAPL is related to its degree of saturation. The percentage of LNAPL filling the total pore space is termed the LNAPL saturation.

Within the subsurface, LNAPL may occur as residual LNAPL and as mobile LNAPL. LNAPL movement can only occur as a continuous phase within the pore network. Hence LNAPL residing in the larger pores requires connection with LNAPL in adjacent pores in order to travel efficiently through the aquifer. Otherwise, water, generally the less viscous and the preferential wetting fluid, will flow around the oil when a gradient is applied, trapping the oil in the formation. When LNAPL is retained as isolated globules and beads within the pore network, it is essentially immobile. The saturation level whereby a LNAPL becomes immobilized by capillary forces is known as the "residual saturation." LNAPL that is retained by soil capillary forces, or is trapped within pore spaces, is termed residual LNAPL. When the volume of product is greater than that retained in a residual phase, this volume is considered mobile LNAPL. Mobile LNAPL may migrate vertically or laterally. Increased viscosity and decreased grain size may result in a site-specific increase in the residual saturation level thereby reducing the mobility of the petroleum hydrocarbon material.

Organic Compounds (VOCs and SVOCs)

VOC and SVOC compounds may be transformed or degraded in the environment by various processes, including hydrolysis, oxidation/reduction, photolysis, volatilization, biodegradation, or biotransformation. The half-life (time required to naturally reduce chemical concentration by one-half) of organic compounds in various media can vary from minutes to years, depending on environmental conditions and the chemical structures of the compounds. Organic degradation may either enhance (through the production of more toxic byproducts) or reduce (through concentration reduction) the toxicity of a chemical in the environment.

Petroleum and petroleum products are highly complex and varied mixtures. Hydrocarbons (compounds containing only carbon and hydrogen atoms) compose the majority of the components in petroleum. When petroleum compounds are released into the environment, the compounds undergo physical, chemical, and biological changes collectively referred to as weathering. The degree to which various types of petroleum hydrocarbons degrade under these changes depends on the physical and chemical properties of the hydrocarbons.

Crude oil weathering processes include adsorption of hydrocarbons to soil particles, volatilization of hydrocarbons, and dissolution of hydrocarbons in water. Most of the petroleum does not dissolve in water. Aromatic hydrocarbons, especially BTEX, tend to be the most water-soluble fraction of petroleum compounds. Benzene (10 times more soluble than ethylbenzene or xylenes) is the most water soluble of the BTEX compounds. BTEX compounds also are the most volatile of the aromatic compounds and are considered to be VOCs. BTEX compounds have the lowest soil organic carbon sorption coefficients of the most common aromatic hydrocarbons. Carbon sorption coefficient is the ratio of the amount of a compound sorbed to the organic matter component of soil or sediment to the amount of the compound in the aqueous phase at equilibrium and has been used as one variable in predicting the mobility of a compound from soil to ground water. Benzene is considered to be highly mobile in soil, toluene is considered to be moderate to highly mobile in soil, and xylenes are considered to be moderately mobile in soil. Benzene often is the main groundwater contaminant of concern at petroleum release sites because of its high toxicity and mobility (as compared to other petroleum hydrocarbons).

Biodegradation is a major weathering process of petroleum in the environment and an important natural attenuation process. Rates of biodegradation vary with different microbial populations, hydrocarbons, and geochemical and hydrological conditions present in the subsurface. Nearly all soils and sediments have populations of bacteria and other organisms capable of degrading petroleum hydrocarbons. Most PAHs, because of their low volatility, are classified as SVOCs. In general, PAHs do not easily dissolve in water and are more likely to partition into sediments and soils rather than into ground water because of their low solubility and high carbon sorption coefficients. As a result, transport of PAHs tends to be associated primarily with erosion of contaminated soils and sediments. PAHs sorbed to sediments may potentially affect aquatic communities downstream of contaminated sites.

Metals

Prior Site investigations have identified concentrations of metals including barium, cadmium, chromium, mercury, and lead exceeding their respective RRSCO and/or CUSCO in soils on the Site. Metals are ubiquitous inorganic constituents in soil, sediment and ground and surface water. The transport of these materials from unsaturated soils to the underlying groundwater is controlled by the physical processes of precipitation infiltration, chemical interaction with the soil, and downward transport of removed metal ions by continued infiltration. The downward movement of metals from soil by leaching is a very slow process under most natural conditions. The conditions that induce leaching are the presence of metals in soil at concentrations that either approach or exceed the sorption capacity of the soil, the presence in the soil of materials that are capable of forming soluble chelates with metals, and a decrease in the pH of the leaching solution (e.g., acid rain). Most metals are retained strongly in soil, and very little is transported through runoff to surface water or leaching to groundwater except under acidic condition. The physical mechanism of erosive transport is important for surface soil and sediment dispersal into surface water bodies. The chemistry of inorganic interaction with percolating precipitation and varying soil conditions is complex and includes numerous chemical transformations that may result in altered oxidation states, ion exchange, adsorption, precipitation, or complexation. The chemical reactions, which are affected by environmental conditions including pH, oxidation/reduction conditions, and the type and amount of organic matter, clay, and the presence of hydrous oxides, may act to enhance or reduce the mobility and toxicity of the metal ions.

In general, these reactions are reversible and add to the variability commonly observed in distributions of inorganics in soil and sediment.

4.2.2 *Groundwater*

The fate and transport mechanisms that affect groundwater include advection, dispersion, dissolution, and natural degradation which may work to reduce the concentration of any dissolved-phase petroleum hydrocarbon-related constituents in groundwater.

Based on groundwater monitoring well water levels and regional information, groundwater appears to flow from east to west across Site towards the Hudson River and appears to be substantially altered in some areas of the Site, likely due to the placement of buildings and drainage systems across the property. Depth to groundwater is documented between 3-ft bgs to 18.5-ft bgs. Bedrock was not encountered during in the soil borings advanced at the Site.

The results of groundwater sampling performed to date indicate the presence of PAHs and dissolved-phase chlorinated aliphatic hydrocarbon (CAH)-related constituents in groundwater above NYSDEC criteria at MW-2, MW-4, and MW-11. The former 20,000-gallon UST has been identified as a source in the southern Site area, however, lateral extents of impacts are unknown. An on-site source has not yet been identified for CAH constituents in the northern Site area. This RI will investigate potential upgradient sources and geochemical and biological indicators of natural attenuation. Groundwater flow across the site is a potential migration pathway.

4.2.3 *Soil Vapor*

CAH-related and dissolved-phase CAH-related constituents in groundwater have the potential to volatilize and enter buildings through cracks and joints in foundation floors and walls. Building sumps and floor drains may represent a potential preferential pathway for the migration of dissolved-phase chlorinated solvents constituents into the building in the vapor phase.

During the October 2021 PIIESA, the Site buildings were not heated, and the buildings were substantially damaged with many windows broken and large air gaps in walls and doors, allowing outside air to flow through building areas. As a result of the building condition, it was determined that indoor air sampling could not be performed in a way that would allow for a valid comparison to the NYSDOH vapor intrusion study regulatory guidelines. In an effort to make some determination relative to the threat of vapor intrusion into future restored building areas, Alpine performed sub-slab soil gas sampling in representative lower-level building areas. Since indoor air samples were not collected, comparison to NYSDOH decision matrices for the eight listed VOCs could not be performed. Alternatively, soil gas results were compared to US EP Vapor Intrusion Screening Levels for sub slab and near slab soil gas for residential use.

The results of soil vapor sampling performed to date indicate the presence of several VOCs (chloroform, ethylbenzene, benzene, carbon tetrachloride, m/p xylenes, and 1,3-butadiene) in soil vapor at concentrations that are above residential target screening levels. The data indicate that these vapors may have become trapped beneath the slab. The source of these vapors has not yet been identified and it is not clear whether there may be an off-Site source or if there is any potential for off-Site migration from an on-Site source.

4.2.4 *Airborne Fugitive Dust/Volatilization*

Metals and non-volatile chemical compounds present in the soil/fill can be released to the ambient air as a result of fugitive dust generation. This migration pathway will become even more relevant when the soil is disturbed such as when building and foundations are removed at some time in the future and if any future Site development requires excavation of the Site soil and fill material.

Also, volatile chemicals present in the groundwater and soil maybe released to the ambient air during potential future site development that may disturb site soils and/ or groundwater. Indoor air could also be affected if future building development occurs over the existing soils/fill material.

Metals attached to soil can become airborne and transported with dust. Future risk associated with metals within airborne dust can be mitigated by implementing NYSDEC-approved remediation measures.

4.3 Potential Sensitive Receptors and Exposure Pathways

A complete exposure pathway is needed for a potential human or ecological health risk to be present. Potential receptors at the Site include construction/utility workers, groundwater, and future building occupants. Based on the peer-reviewed principles of environmental risk assessment, there is no risk to a receptor when either (1) no receptor is present or (2) there is no complete exposure pathway for that receptor.

Excavation to be performed during future redevelopment activities are expected to remove source material that may remain on the Site as part of an overall remedy that will be protective of human health and the environment. Anticipated engineering controls include a sub-slab depressurization system and site-wide cover system to address potential exposure from residual contaminated groundwater and soil vapor.

5.0 KEY DATA GAPS AND AREAS OF INTEREST

Based on the Conceptual Site Model (CSM) developed to date, there does not appear to be any immediate threat to human health or the environment. However, several remedy-relevant data gaps have been identified that are pertinent to the evaluation of remedial alternatives and the selection of a remedy required for the Site. An RI will be conducted to address these data gaps, refine the CSM, determine whether potential completed exposure pathways exist, and identify remedial actions and/ or mitigation measures and engineering or institutional controls to reduce or eliminate unacceptable risk to human or ecological receptors.

The following section lists the activities planned to address remedy-relevant data gaps.

1. Determination of vertical and horizontal extent of impacted subsurface soil surrounding the removed 20,000 #6 fuel oil tank near Building 1. Conduct waste classification of soil stockpile targeted for off-Site disposal.
2. Assess if SVOCS in UST removal end-point samples collected after removal of the 1,000-gallon oil-water separator near Building 5 are from petroleum release or fill material.
3. Using soil borings and soil and groundwater sampling, look for source and delineate 1,1,1-TCA identified in groundwater (MW-4) and soil vapor (SS-02 and SS-03).
4. Determination of vertical extent of contaminated historic fill material (CHFM) at the northern end of the Site.
5. Assess for impacts in area of trench drain of Building 8.
6. Delineate impacts near B-8/MW-8 where subsurface staining was previously observed.

7. Assess Site-wide soil and groundwater conditions by sampling areas not addressed above.
8. Assess debris piles for asbestos and PCB content to determine disposal options.
9. Data will be used to assess need for vapor mitigation measures.
10. Data necessary to develop remedial alternatives and identify the potential need and scope of Interim Remedial Measures or the remedy.

6.0 SITE PREPARATION ACTIVITES

The following Site preparation activities are planned:

a) The site will be fenced to restrict access. As the southern 0.2-acre open yard area does not show evidence of prior activities associated with the former mill activities, this area is proposed to remain unfenced. NYSDEC confirmed that this fence installation can begin after the public comment period has ended and before other Site work is scheduled to begin.

b) UDig and on-Site utility markout will be conducted where existing data are unavailable.

c) Some vegetation clearing may be needed in advance of the RI, particularly at the north end of the Site (AOC-4).

d) Once the public review/comment period is initiated for this RIWP, limited Site activities may begin such as vegetation clearing (but no digging); removing debris such as tires, pallets, couches, chairs, but excluding debris that may be impacted (e.g., soil, building material debris, asbestos abatement); and building interior work including cleaning out contents and repairs. Building 8 is planned for demolition after the RI is conducted but the roof removal is planned as part of site preparation activities as it is a safety hazard for work in the building, which includes installation of a boring.

e) The petroleum-impacted soil excavated during the 2021 removal of the 20,000-gallon #6 Fuel Oil UST appears to have been stockpiled on and under plastic but was not removed for disposal by the contractor. The RI results will be used to support an application for disposal of the soil off-Site. It is anticipated that the soil will be suitable for acceptance at an area landfill as either alternate day cover or for disposal. An application for facility acceptance will be submitted and, following acceptance, soil will be transported by an NYSDEC-permitted hauler/transporter, and disposed of at a NYSDEC permitted facility.

f) The results of sampling the five debris piles during the RI will determine whether a pile needs to be disposed of as regulated asbestos waste. If a pile is confirmed to be regulated asbestos waste, LaBella will conduct an Incidental Disturbance Assessment that will be documented in a separate report for submittal to NYSDOL, as well as included in the RIR. LaBella will prepare a variance application for abatement of the asbestos debris piles and submit it to NYSDOL. Following NYSDOL approval, the asbestos waste will be abated via removal by a licensed contractor, transported by an NYSDEC-permitted hauler/transporter, and disposed of at a NYSDEC permitted landfill.

- Initial observations of the debris materials did not indicate sources of PCBs. If debris is confirmed to be PCB waste, the PCB waste will be removed and disposed of consistent with applicable regulations including TSCA.

- Based on the lack of observed paint in the debris materials and typical waste stream sampling results, TCLP lead results are not expected to identify the debris as hazardous for lead. The non-hazardous waste will be removed and disposed of as construction and demolition waste consistent with applicable regulations.

g) In addition, on May 22, 2023, BBL requested NYSDEC approval to conduct other activities to prepare the Site for redevelopment that will not disturb Site soil or groundwater, will not remove building slabs, and will be coordinated in advance with NYSDEC.

Building #1

1. Cleanout structure and prepare for select demolition of wall and ceilings.
2. Removal and replacement of the existing roof system including roof membrane and metal decking.
3. CMU restoration and repair including new openings, lintels and finished doors and windows.
4. Select vegetation removal to clear out building of vines and overgrowth.

Building #4

1. Interior/ exterior select demolition of walls and ceilings as called out on plans.
2. EPDM roof replacement.
3. Window removal and protection to secure the building.
4. Masonry restoration work including tuck pointing, cleaning and brick replacement.
5. Infill of exterior openings as called out on plans.
6. Preliminary interior fit-up including MEP's and architectural work.
7. Select vegetation removal to clear out building of vines and overgrowth.

Buildings 5, 6, 7, 10 and 11

1. Interior/ exterior select demolition of walls and ceilings as called out on plans.
2. EPDM roof replacement.
3. Window removal and protection to secure the building.
4. Masonry restoration work including tuck pointing, cleaning and brick replacement. Rear of building excluded.
5. Infill of exterior openings as called out on plans.
6. Preliminary interior fit-up including MEP's and architectural work.
7. Interior stair restoration including tread removal, metal prep and finishing.
8. Select vegetation removal to clear out building of vines and overgrowth.

Building 7 and 8

1. Removal of the roof systems. Pre-Demolition Asbestos Surveys will be provided, and removals will be conducted consistent with applicable rules and regulations.

Building 9

1. Interior/ exterior select demolition of walls, CMU and ceilings as called out on plans.
2. EPDM roof replacement.
3. Masonry demolition and restoration work including tuck pointing, cleaning and finishing.
4. Structural steel installation.
5. Select vegetation removal to clear out building of vines and overgrowth.

Clarifications

1. A project fence will be installed prior to any work starting on site.
2. Designated parking and laydown for the site will be presented for review prior to construction.
3. All items will be reviewed with the team members to fully comprehend the nature of the work to be performed.
4. Soil disturbance or excavations are excluded from the work listed above.
5. Removal of interior and exterior slab on grade are excluded from the scope of work.

7.0 GOAL, SCOPE, AND RATIONALE

The goal of this RIWP is to investigate and characterize "the nature and extent of the contamination at and/or emanating from the brownfield site," per Environmental Conservation Law (ECL) Article 27, Title 14 (Brownfield Cleanup Program). The field investigation will include the tasks listed below to supplement the data and findings of previous investigations. Proposed sample locations are shown on **Figures 7a through 7d**. The rationale for each sampling location in relation to the AOCs and analytical parameters for each proposed sample are provided in **Table 1**. The table includes QAQC sampling. The primary objective of the RI is to collect the information and field data necessary to address on-Site data gaps identified in Section 6. The Scope of Work includes the following tasks:

1. Geophysical investigation
2. Surface soil investigation
3. Subsurface soil investigation
4. Groundwater data gap investigation
5. Qualitative human health exposure assessment

Table 1: Analytical Methods/Quality Assurance Summary Table

0-2 inches; 2-12 inches, and 12-24 inches	Subsurface Soil	Groundwater	Debris Piles	Borings/Test Pits	Area of Concern and Sampling Description	Sampling Rationale: Delineate areas of known impacts and gather additional data as needed under BCP	NYSDEC and CP-51 VOCs with TICs (8260)		NYSDEC SVOCs with TICs (8270)		TAL Metals -both total and dissolved for groundwater samples. (6010 & 7471/7470 or 7473)		Total PCBs (8082)		Total Pesticides (8081)		1,4-Dioxane (8270 SIM)		PFAS (1633) water	Waste Disposal*	Asbestos	TCLP Lead
						Tally of Primary Samples (excludes QAQC samples)	96	19	96	19	89	27	81	1	75	1	2	5	3	1	0	0
					AOC-1 Former 20,000-Gallon UST (MW-2)	**Delineate impacts**																
				7	Install 7 borings to ~20 to 35 ft, with 3 soil samples. No surface/shallow soil samples due to prior disturbance during and backfill for UST excavation. Gauge well MW-2 (MW-1 understood to have been destroyed) and two recovery wells. Sample MW-2. Figure 7B	Delineate horizontal and vertical impacts as only ~25CY of PCS was removed with UST. Need to go deeper than 17 feet for vertical extent. Assess access to this area for soil removal/treatment (building to north, road to south, parcel boundary to west).														
	2				1-B-01 (borehole # may differ in the field as 1 of 7 will be analyzed)	Soil from interval of highest impact and from the top one-foot interval below the vertical extents of impacts.	2		2													
	2				1-B-02 (borehole # may differ in the field as 1 of 7 will be analyzed)	Soil from apparent eastern limit of impacts and from the top one-foot interval below the vertical extents of impacts.	2		2													
	2				1-B-03 (borehole # may differ in the field as 1 of 7 will be analyzed)	Soil from apparent western limit of impacts and from the top one-foot interval below the vertical extents of impacts.	2		2													
		1			MW-2	Groundwater from existing monitoring well.		1		1												
	1				One insitu soil sample representative of impacted soil that warrants remediation. Soil and groundwater sampling for IRM bench testing to be performed by ISOTEC: Collect a total of 20 to 40 pounds of soil in resealable plastic bags. This soil does not need to be preserved or stored on ice. Collect groundwater in 20 1-Liter amber glass bottles (zero headspace) following typical well purging. These bottles do not need to be preserved or stored on ice. Figure 7B 1-WC-01(insitu)	Representative of impacted soil interval for remedial approach confirmation.																
			1		One three to five-point composite soil sample representative of soil stockpile. Figure 7B 1-WC-01(Pile)	Soil is from UST removal. Sample for disposal/reuse evaluation. Sample for waste characteristics required by Green Ridge Landfill disposal facility add the following to listed analyses: Full TCLP with ignitability, corrosivity, reactivity.*	1		1		1		1		1					1		
					AOC-2 Former 1,000-gallon Oil-Water Separator UST (MW-5)																	
				2	Install 2 borings to ~15 ft: one in former tank location to assess backfill used when tank excavation backfilled; one other south of former tank location to assess extent of SVOCs previously identified. These soil borings will be field screened for visual, olfactory, and PID evidence of impacts. Sample MW-5. Figure 7C	Assess backfill and extent of SVOCs.														
3					2-B-01 (0-2in; 2-12in; 12-24in)	Surface soil from three depth intervals to assess backfill used during OWS UST removal	3		3		3		3		3							
3	1				2-B-02 (0-2in; 2-12in; 12-24in) 2-B-02	Surface soil from three depth intervals. Subsurface soil from interval of highest impact.	4		4		4		1		1							
		1			MW-5	Groundwater from existing monitoring well.		1		1		2										

Table 1: Analytical Methods/Quality Assurance Summary Table

0-2 inches; 2-12 inches, and 12-24 inches	Subsurface Soil	Groundwater	Debris Piles	Borings/Test Pits	Area of Concern and Sampling Description	Sampling Rationale: Delineate areas of known impacts and gather additional data as needed under BCP	NYSDEC and CP-51 VOCs with TICs (8260)		NYSDEC SVOCs with TICs (8270)		TAL Metals -both total and dissolved for groundwater samples. (6010 & 7471/7470 or 7473)		Total PCBs (8082)		Total Pesticides (8081)		1,4-Dioxane (8270 SIM)		PFAS (1633) water	Waste Disposal*	Asbestos	TCLP Lead
					AOC-3 Area of 1,1,1-TCA (MW-4)	**Look for source of 1,1,1-TCA in groundwater and soil vapor**																
				5	Install five borings to ~15 feet and one temporary well northwest and southwest of SW-Tank (100,000-gallon concrete stormwater tank). In three of five borings, collect shallow soil samples.If no soil in top 2 inches (e.g. gravel or concrete), sample top 2 inches from nearby unpaved area, if present; if no nearby soil, then no 0-2in sample. These soil borings will be field screened for visual, olfactory, and PID evidence of impacts; one location will be selected for subsurface soil and groundwater sampling (install temporay well) for analysis. Sample MW-4. Focus analyses on VOCs, with additional analyses for soil (shallow and subsurface) in one location and groundwater from MW-4). Figure 7B	Look for source, delineate 1,1,1-TCA identified in groundwater (MW-4) and soil vapor (SS-02 and SS-03). PFAS was not detected during LaBella's 2022 sampling of MW-5.															
9	1	1			3-B-0#(0-2in; 2-12in; 12-24in) first of three 3-B-0#(0-2in; 2-12in; 12-24in) second of three 3-B-0#(0-2in; 2-12in; 12-24in) third of three 3-B-0#(subsurface from boring and interval of greatest impact) 3-MW-0# (boring with greatest impact)	Surface soil from three depth intervals from three of five borings. From one boring: Subsurface soil from interval of highest impact and Groundwater from temporary well.	10	1	10	1	10	2	10		10		1	1				
		1			MW-4	Groundwater from existing monitoring well.		1		1		2						1	1			
1		1			Sample water in 100,000-gallon stormwater tank (tallied as a groundwater sample). Figure 7B - red square indicates manhole location. Sample stormwater basin sediment for disposal criteria as Alpine's prior stormwater basin sampling identified SVOC concentrations above standards (tallied as a shallow soil sample). Plus additional waste characteristics if required by disposal facility.	Assess depth and contents.	1	1	1	1	1	1	1	1	1	1		1	1			
					AOC-4 Contaminated Historic Fill Material - Northern Site Area (0.9 acres)	**Delineate impacts. Combine with AOC-8 Test Pit**																
				8	Install test pits (~4 in wooded area to 15 ft bgs) and borings (~4 in roadway and near TP-8 to 15 ft bgs) to assess soil quality in top 15 ft, and vertical extent of fill including near TP-1, TP-2, TP-7, TP-8, TP-9. These explorations will be field screened for visual, olfactory, and PID evidence of impacts; each of the eight locations will be sampled for analysis from the interval representing the greatest field evidence of impacts. Shallow soil samples from each of the four borings will be sampled from three depth interval (0-2 inches; 2-12 inches, and 12-24 inches). Sample MW-11 and convert one boring to a monitoring well(by TP-8). Figure 7D	Determine vertical extent of contaminated historic fill material at the northern end of the Site. Prior test pits to 11 ft (need to assess top 15 ft) and sampling in three TPs (TP1@6-8ft and 8-10ft; TP9@8-9ft; TP11@10ft) for VOCs, CP51 SVOCs, PCBs, RCRA metals. PFAS was not detected during LaBella's 2022 sampling of MW-11.															
	4				4-TP-01(depth interval of greatest impact) 4-TP-02(depth interval of greatest impact) 4-TP-03(depth interval of greatest impact) 4-TP-04 (depth interval of greatest impact)	Soil from interval of highest impact.	4		4		4		4									
12	4	1			4-B-01(0-2in; 2-12in; 12-24in; subsurface interval of greatest impact) 4-B-02(0-2in; 2-12in; 12-24in; subsurface interval of greatest impact) 4-B-03(0-2in; 2-12in; 12-24in; subsurface interval of greatest impact) 4-B-04 (0-2in; 2-12in; 12-24in; subsurface interval of greatest impact) 4-MW-0#	SSurface soil from three depth intervals. Subsurface soil from interval of highest impact.	16	1	16	1	16	2	16		16							
		1			MW-11	Groundwater from existing monitoring well.		1		1		2										

Table 1: Analytical Methods/Quality Assurance Summary Table

0-2 inches; 2-12 inches, and 12-24 inches	Subsurface Soil	Groundwater	Debris Piles	Borings/Test Pits	Area of Concern and Sampling Description	Sampling Rationale: Delineate areas of known impacts and gather additional data as needed under BCP	NYSDEC and CP-51 VOCs with TICs (8260)		NYSDEC SVOCs with TICs (8270)		TAL Metals -both total and dissolved for groundwater samples. (6010 & 7471/7470 or 7473)		Total PCBs (8082)		Total Pesticides (8081)		1,4-Dioxane (8270 SIM)		PFAS (1633) water	Waste Disposal*	Asbestos	TCLP Lead
					AOC-5 Building 8 Trench Drain																	
				1	One boring in trench drain inside of Building 8 to 15 ft bgs. Shallow soil samples from three depth interval (0-2 inches; 2-12 inches, and 12-24 inches). Collect a grab groundwater sample from a temporary well so the boring in the trench drain can be backfilled and closed. Figure 7C	Assess for impacts in area of trench drain														
3					5-B-01(0-2in) 5-B-01(2-12in) 5-B-01(12-24in)	Surface soil from three depth intervals.	3		3		3		3		3							
	1	1			5-B-01 5-MW-01	Subsurface soil from interval of highest impact, or groundwater interface if no evidence of impacts.	1	1	1	1	1	2	1				1	1				
					AOC-6 Arsenic and SVOCs at B-8/MW-8 and Western Area (~0.3 acres)																	
				3	Two borings to 15 ft bgs near B-8/MW-8 where staining was previously observed plus a third boring between MW-6 and MW-7; and sample MW-8. Shallow soil samples from three depth interval (0-2 inches; 2-12 inches, and 12-24 inches) will be collected from the three borings. The soil borings around MW-8 will be field screened for visual, olfactory, and PID evidence of impacts; one boring will be selected for subsurface soil sampling and analysis. A groundwater sample will be collected from MW-8. Although nearby monitoring wells MW-9 and MW-10 did not show evidence of VOCs in the Phase II sampling, the 2023 Phase I ESA noted that Building 9 usage included automotive storage and three drums. A groundwater sample will be collected from MW-10 and the three waste drums will be sampled for waste characterization. Figure 7c	Delineate impacts in area of B-8/MW-8. Area planned for residential yards. PFAS was not detected during LaBella's 2022 sampling of MW-8. Sample three drums for waste characterization. Waste removal to be completed by licensed waste hauler in accordance with permitted facility requirements.															
3					Between MW-6 and MW-7 6-B-01(0-2in) 6-B-01(2-12in) 6-B-01(12-24in)	Surface soil from three depth intervals.	3		3		3		3		3							
3					Between MW-7 and MW-8 6-B-02(0-2in) 6-B-02(2-12in) 6-B-02(12-24in)	Surface soil from three depth intervals; See below for subsurface soil sample	3		3		3		3		3							
3					Between MW-8 and MW-9 6-B-03(0-2in) 6-B-03(2-12in) 6-B-03(12-24in)	Surface soil from three depth intervals; See below for subsurface soil sample	3		3		3		3		3							
	1				Subsurface from 6-B-02 or 6-B-03 (depth interval of greatest impact)	From either 6-B-02 or 6-B-03: Subsurface soil sample from interval of highest impact, or groundwater interface if no evidence of impacts.	1		1		1		1									
		1			MW-8	Groundwater from existing monitoring well.		1		1		2										
		1			MW-10	Groundwater from existing monitoring well.		1		1		2						1	1			

Table 1: Analytical Methods/Quality Assurance Summary Table

0-2 inches; 2-12 inches, and 12-24 inches	Subsurface Soil	Groundwater	Debris Piles	Borings/Test Pits	Area of Concern and Sampling Description	Sampling Rationale: Delineate areas of known impacts and gather additional data as needed under BCP	NYSDEC and CP-51 VOCs with TICs (8260)		NYSDEC SVOCs with TICs (8270)		TAL Metals -both total and dissolved for groundwater samples. (6010 & 7471/7470 or 7473)		Total PCBs (8082)		Total Pesticides (8081)		1,4-Dioxane (8270 SIM)		PFAS (1633) water	Waste Disposal*	Asbestos	TCLP Lead
					AOC-7 Additional Site Coverage (~1.2 acres)	Gather data for remaining Site areas																
				4	**7a)** Southern Leg (0.2 acres) - Four borings to 15 feet with surface soil and groundwater interface soil samples; and convert two borings to monitoring wells. Shallow soil samples from three depth interval (0-2 inches; 2-12 inches, and 12-24 inches) will be collected from the four borings. Figure 7a	a) Utility line improvements planned in this area; no prior investigation in this area.																
3	1	1			7a-B-01(0-2in) 7a-B-01(2-12in) 7a-B-01(12-24in) 7a-B-01 (depth interval of greatest impact) 7a-MW1 new monitoring well	Surface soil from three depth intervals; subsurface soil sample from interval of highest impact, or groundwater interface if no evidence of impacts. Groundwater sample from new monitoring well.	4	1	4	1	4		4		4							
3	1	1			7a-B-02(0-2in) 7a-B-02(2-12in) 7a-B-02(12-24in) 7a-B-02(depth interval of greatest impact) 7a-MW2 new monitoring well	Surface soil from three depth intervals; subsurface soil sample from interval of highest impact, or groundwater interface if no evidence of impacts. Groundwater sample from new monitoring well.	4	1	4	1	4		4		4							
3	1	1			7a-B-03(0-2in) 7a-B-03(2-12in) 7a-B-03(12-24in) 7a-B-03(dpeth interval of greatest impact) 7a-MW3 new monitoring well	Surface soil from three depth intervals; subsurface soil sample from interval of highest impact, or groundwater interface if no evidence of impacts. Groundwater sample from new monitoring well.	4	1	4	1	4		4		4							
3	1	1			7a-B-04(0-2in) 7a-B-04(2-12in) 7a-B-04(12-24in) 7a-B-04(depth interval of greatest impact) 7a-MW4 new monitoring well	Surface soil from three depth intervals; subsurface soil sample from interval of highest impact, or groundwater interface if no evidence of impacts. Groundwater sample from new monitoring well.	4	1	4	1	4		4		4							
				5	**7b)** Eastern area foot of hill (~1 acre) - Five borings with shallow soil and groundwater interface soil samples; to 16 to 25 feet based on depth to water in existing wells. Shallow soil samples from three depth interval (0-2 inches; 2-12 inches, and 12-24 inches) in one boring. Sample 4 of 9 existing monitoring wells in this area: MW-12, MW-15, MW-17, and MW-19. The areas north of building 7 and south of building 4 are planned parking areas where downgradient sampling did not identify impacts, so no sampling is proposed in these locations. Figure 7b and 7c	b) Area planned for access drive, parking, and landscaping with underground utilities.																
3	1				7b-B-01(0-2in) 7b-B-01(2-12in) 7b-B-01(12-24in) 7b-B-01 (depth interval of greatest impacts)	Surface soil from three depth intervals; subsurface soil sample from interval of highest impact, or groundwater interface if no evidence of impacts.	4		4		4		3		3							
3	1				7b-B-02(0-2in) 7b-B-02(2-12in) 7b-B-02(12-24in) 7b-B-02 (depth interval of greatest impacts)	Soil from interval of highest impact, or groundwater interface if no evidence of impacts.	4		4		4		3		3							

Table 1: Analytical Methods/Quality Assurance Summary Table

0-2 inches; 2-12 inches, and 12-24 inches	Subsurface Soil	Groundwater	Debris Piles	Borings/Test Pits	Area of Concern and Sampling Description	Sampling Rationale: Delineate areas of known impacts and gather additional data as needed under BCP	NYSDEC and CP-51 VOCs with TICs (8260)		NYSDEC SVOCs with TICs (8270)		TAL Metals -both total and dissolved for groundwater samples. (6010 & 7471/7470 or 7473)		Total PCBs (8082)		Total Pesticides (8081)		1,4-Dioxane (8270 SIM)		PFAS (1633) water	Waste Disposal*	Asbestos	TCLP Lead
3	1				7b-B-03(0-2in) 7b-B-03(2-12in) 7b-B-03(12-24in) 7b-B-03 (depth interval of greatest impacts)	Soil from interval of highest impact, or groundwater interface if no evidence of impacts.	4		4		4		3		3							
3	1				7b-B-04(0-2in) 7b-B-04(2-12in) 7b-B-04(12-24in) 7b-B-04 (depth interval of greatest impacts)	Soil from interval of highest impact, or groundwater interface if no evidence of impacts.	4		4		4		3		3							
3	1				7b-B-05(0-2in) 7b-B-05(2-12in) 7b-B-05(12-24in) 7b-B-05 (depth interval of greatest impacts)	Soil from interval of highest impact, or groundwater interface if no evidence of impacts.	4		4		4		3		3							
		5			Existing MW-12, MW-15, MW-17, MW-19, and 20	Groundwater from existing monitoring wells.		5		5		10										
					AOC-8 Suspect UST at Building 4																	
	1			1	Test pit area of suspect 550-gallon UST. If UST identified, remove a Site Preparation activity and collect post-excavation soil samples (not included in this sample tally).	GPR then test pit to assess subsurface at area of suspect 550-gallon UST.	1		1													
					AOC-9 Debris Piles																	
			34		Sample five piles of building debris and conduct associated visual assessment. Actual sample count will depend on field observations. Estimate the following samples: 20 PLM friable, 14 PLM non-friable, 14 TEM. One composite sample from each pile will also be submitted for TCLP lead analysis. Debris pile materials suspected to contain PCBs will be sampled and analyzed (estimated 1 per pile). Figure7C.	Assess for asbestos content.							5								34	5
					Trip Blank (VOCs)/Field Blank (PFAS)	One per day of field work		12														
					Field duplicate	One per day per 20 samples of parameter group	9	3	9	3	9	3	9	3	8	1	1	3	1	NA	NA	NA
					Matrix Spike/Matrix Spike Duplicate (MS/MSD) (two per set)	One per day; One per sample media; One per 20 samples	18	6	18	6	18	6	18	6	16	2	2	6	2	NA	NA	NA
					Equipment Rinsate Blank	One per day; One per equipment (drill, mscope); One per 20 samples	18	3	18	3	9	3	9	3	8	1	1	3	1	NA	NA	NA
						Tally of Samples (including QAQC samples)																
67	29	19	35	36		Groundwater samples for TAL metals analysis include total and dissolved metals in the tally above	141	43	141	31	125	39	122	13	107	5	6	17	8	1	34	5

Table 1 also details the proposed sampling of surface soil at three depth intervals, subsurface soil, groundwater, the pile of soil excavated during removal of the 20,000-gallon UST, and five piles of building material debris.

Modifications to this scope of work may be required: 1) due to Site conditions and/ or equipment restrictions; 2) if unexpected contamination is detected and additional analytical data is needed to characterize the Site; and 3) to confirm that impacts are adequately characterized and delineated in compliance with NYCRR Part 375 regulations and applicable investigation guidance documents (e.g., DER-10). NYSDEC and NYSDOH will be contacted to obtain approval for these modifications.

The RI will be completed in accordance with the procedures specified in LaBella's Quality Assurance Project Plan (QAPP) [Section 8.0] and Health and Safety Plan (HASP) [Section 10.0]. A Community Air Monitoring Plan will be implemented during this investigation (see Section 11.0).

7.1 Geophysical Investigation

7.1.1 *Electromagnetic Survey*

A geophysical investigation will be performed by LaBella and include an electromagnetic utility designation and/or ground penetrating radar (GPR) in the southern parcel area (AOC-7a), south of Building 4 where a 550-gallon UST is suspected to be located, and select areas around the current buildings where utility clearance has not already been conducted.

A Geonics EM-61 high-resolution time domain metal detector, or equivalent, will be used to conduct the first phase of the investigation. The EM-61 is used to detect both ferrous and non-ferrous metals buried in the upper 10 feet of the subsurface. A powerful transmitter generates a pulsed primary magnetic field, which induces eddy currents in nearby metal objects. The decay of these currents is measured by upper and lower receiver coils mounted in the coil assembly. The responses are recorded and displayed by an integrated data logger as two-channel information. The bottom channel is more sensitive to metallic objects in the shallow (upper few feet) subsurface, and the differential response is more sensitive to metal objects from three to ten feet bgs. The EM-61 can detect a single 55-gallon drum at a depth of more than ten feet beneath the instrument, yet it is relatively insensitive to interference from nearby surface metal such as fencing, buildings, and automobiles. The instrument is moved along the ground surface by a single operator, and measurements are collected at desired intervals along the ground surface. The terrain along the western Site boundary may limit the areas where the EM-61 survey can be completed.

A survey of the area will also be performed using a handheld split-box metal detector (Fisher Model TW-6 or equivalent). The TW-6 is a split-box electromagnetic metal detector that is very sensitive to near surface ferrous metal objects and is very useful in detecting the surface expression of subsurface ferrous objects. This instrument is commonly used to identify buried storage tanks and other metallic objects.

Anomalies detected during the EM surveys will be marked on the ground and further investigated using ground-penetrating radar (GPR).

7.1.2 *Ground Penetrating Radar Survey*

The ground penetrating radar (GPR) survey will be performed in areas of anomalies detected by the EM survey. The GPR method is based upon the transmission of repetitive, radio-frequency EM pulses into the subsurface. When the transmitted energy of down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal

is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard drive.

The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical properties of the subsurface result in equivalent changes in the GPR responses. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using known soil velocity functions. Each radar profile will be examined for characteristic GPR signatures that may indicate the presence of buried targets.

The results of the GPR survey may necessitate relocation or addition of borings during the RI.

7.2 Soil Investigation

Previous investigations have identified several areas of contamination on the Site, which have not been fully delineated. In order to determine the quality of soil in these areas, soil borings or test pits will be installed as described in **Table 1** and as shown on **Figures 7a through 7d**

7.2.1 *Soil Boring Protocol*

LaBella will advance soil borings to further investigate the AOCs identified in Section 4.4. Proposed soil boring locations are shown on **Figures 7a through 7d**.

Soil borings will be advanced at least 5 feet into the groundwater table, and where impacts are observed the boring will be advanced to approximately 1 to 2 feet below a clean endpoint, if feasible with equipment, to identify vertical limits. This specifically includes borings in AOC-1 that are expected to extend to 35 feet at AOC-1, and at AOC-4 and AOC-7b that are expected to extend to 25 feet or deeper as needed to identify the vertical extent of impacts. Soil borings will be installed either utilizing a Geoprobe® direct-push drill rig outfitted with a dual-core sampler or closed piston sampler and dedicated acetate liners or hollow-stem auger, or by hand-clearing methodology potentially utilizing an air knife, hand auger, and/or slide hammer. Continuous soil sampling is planned and each soil core will document soil types, changes in lithology, and wastes (if any) encountered. Soils will be screened continuously to the boring termination depth for total organic vapor (TOV) concentration using a PID equipped with a 10.6 electron volt (eV) bulb, and for visual and olfactory indications of environmental impacts (e.g., staining and odor) which are commonly associated with petroleum products and industrial solvents. Soil borings will be advanced to delineate on-Site historic fill contamination throughout the Site to determine how much of the soil being excavated needs to be treated as contaminated and properly remediated. A soil boring log will be developed for each boring.

Non-disposable, down-hole drilling equipment and sampling apparatus will be decontaminated between locations with Alconox® (or similar) and water where grossly impacted material is identified. All drill cuttings will be handled in accordance with DER-10, Chapter 3, Section 3.3, Subdivision (e) - Management of investigation derived waste (included in Appendix E for reference).

7.2.2 *Soil Sampling and Analysis Protocol*

Soil samples will be collected in accordance with the soil sample summary table (**Table 1**) to evaluate soil quality. Samples will be collected from two or more of the following intervals:

1. Discrete surficial soil samples within top two feet of the borings within an AOC will be collected representing the 0 to 2-inch depth interval, 2 to 12-inch depth interval, and the 12 to 24-inch depth interval. Exceptions where the surficial/shallow soil will not be sampled are where the area was previously disturbed during excavation and backfill for UST excavation (i.e., AOCs 1 and 2, and where the top 2 inches of soil will not be sampled as the ground surface is gravel or concrete (i.e., AOC 3).

2. From the interval exhibiting the greatest degree of impacts, if encountered, or the groundwater interface.

3. From the one-foot interval below the vertical extents of impacts, if encountered.

The number of samples collected during the RI may vary based on field conditions.

Analytical methods will include:

- NYSDEC List and CP-51 VOCs by USEPA Method 8260
- NYSDEC List SVOCs by USEPA Method 8270
- Metals by USEPA Methods 6010 and 7471/7470
- Pesticides by USEPA Method 8081
- Polychlorinated Biphenyls (PCBs) by USEPA Method 8082
- 1,4-Dioxane by USEPA Method 8270 SIM
- PFAS by USEPA Methods 1633

Samples collected for VOC analysis will be collected directly from the acetate liners utilizing terra-core sampling devices. The remaining sample volume will be composited and homogenized for the remaining sample analyses. Samples will be transferred to laboratory supplied glassware and packed in a cooler with ice and shipped under proper chain-of-custody procedures to a NYSDOH ELAP certified laboratory for analysis individually following NYSDEC ASP Category B Deliverables. The soil samples collected for PFAS and 1,4 dioxane will be collected in accordance with the Department's April 2023 *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)* guidance document. QA/QC procedures are described in the QAPP (section 8.0).

At AOC-1, additional samples will be collected to support bench-scale treatability study to evaluate effectiveness of remedial options (see Section 8.0). This sampling will include collecting soil in resealable plastic bags for a total of 20 to 40 pounds of soil. This soil does not need to be preserved or stored on ice and will be submitted to ISOTEC for bench testing.

7.3 Groundwater Investigation

Groundwater samples will be collected from 11 of the 19 existing groundwater monitoring wells: MW-2, MW-4, MW-5, MW-8, MW-10, MW-11, MW-12, MW-15, MW-17, MW-19, and MW-20 (MW-1 was destroyed). For reference, **Appendix A** provides the well construction of these wells from Alpine's Phase II investigation. In addition, groundwater samples will be collected from five new monitoring wells (one in AOC-4 and four in the AOC-7a southern leg; and from two proposed temporary wells with one at AOC-3 near existing MW-4 for delineation, and one in the trench drain of building 8 (AOC-5) so the boring in the trench drain can be backfilled and closed following sampling and prior to building demolition. The monitoring well installation and groundwater sampling procedures will be conducted in accordance with NYSDEC DER-10. Proposed groundwater sampling locations are shown on **Figures 7a through 7d**. **Table 1** details the rationale for sampling locations.

7.3.1 *Monitoring Well Installation*

The proposed monitoring wells will be constructed using 1- -inch-diameter polyvinyl chloride (PVC) riser pipe attached to schedule-40, 0.01-inch slotted, 1- inch diameter PVC screen. Each monitoring well will be installed so that the well screen straddles the observed water table and extends to the top of the confining (clay) layer. The well annulus around the screen will be backfilled with clean sand to about 2 feet above the top of the screen. A minimum 2-foot bentonite seal will be installed above the sand, followed by installation of a cement- bentonite mixture to seal the annular space above the bentonite seal. The wells will be finished with flush-mounted metal manhole covers set in concrete.

After waiting at least 24 hours following well installation, monitoring wells will be developed with a downhole submersible pump. Water quality parameter including temperature, pH, conductivity, and turbidity, will be collected, and recorded at a frequency of not less than once per well volume removed. No less than 3 well volumes will be removed. However, purging will continue until the water quality parameters stabilize. Development water will be containerized for off-site disposal.

7.3.2 *Groundwater Sampling and Analysis*

One groundwater sample will be collected from each installed monitoring well. Groundwater samples will be put directly into laboratory supplied bottles and packed in a cooler with ice and shipped under proper chain-of-custody procedures to a NYSDOH ELAP certified laboratory for analysis individually following NYSDEC ASP – Category B Deliverables. Groundwater samples collected for dissolved metals analysis will be field filtered prior to preservation. QA/QC samples such as trip blanks, duplicate samples, matrix spike/matrix spike duplicate samples (MS/MSDS), and field blanks will be collected. During Supplemental Phase II sampling in 2022, PFAS were not detected in the three groundwater samples analyzed from existing monitoring wells MW-4, MW-8, and MW-11 with the exception of 2.3 ppt PFOA and 1.9 ppt PFOA in MW-4. This RIWP includes two groundwater samples to be analyzed for per- and polyfluoroalkyl substances (PFAS) from existing monitoring wells MW-4 and MW-10.

At AOC-1, additional sampling will be conducted to support bench-scale treatability study to evaluate effectiveness of remedial options (see Section 8.0). This sampling will include collecting groundwater in 20 1-Liter amber glass bottles (zero headspace) following typical well purging. These bottles do not need to be preserved or stored on ice and will be submitted to ISOTEC for bench testing.

Each groundwater monitoring event is anticipated to consist of the following:

- Prior to sampling, LaBella field staff will collect headspace readings and static water level measurements from each well. Headspace readings will be collected by measuring VOC concentrations with a PID immediately after removing the protective cap from each well. The PID will be capable of measuring VOCs in the parts per billion (PPB) range and utilize an 11.7 eV lamp. Static water level readings will be collected using an oil-water interface probe. The probe will also be extended to the bottom of each well to gauge for non-aqueous phase liquid (NAPL).

- A peristaltic pump with dedicated polyethylene tubing will be utilized for low flow sampling. During sampling, the pump intake will be set in the middle of the well screen for each well. Purge water will be containerized for off-site disposal.

- Pumping rates will be used that ensure water level stabilization in accordance with EPA low-flow procedures. Water quality parameters including turbidity, pH, temperature, specific conductivity, dissolved oxygen, oxidation reduction potential, and depth to water will be recorded at 5-minute intervals. If 5-minute intervals are not sufficient to ensure one flow-through cell volume is "turned over" between measurements based on the flow rate required to achieve water level stabilization, the measurement interval will be extended appropriately. Samples will be collected when the parameters have stabilized for three (3) consecutive monitoring intervals to within the specified ranges below:

    - Turbidity (+/- 10%, <50 NTU for metals)
    - pH (+/-0.1)
    - Temperature (+/- 3%)
    - Specific conductivity (+/- 3%)
    - Dissolved Oxygen (+/- 10%)
    - Oxidation reduction potential (+/- 10 millivolts)

    Flow rates used to achieve water level stabilization will remain constant throughout purging, indicator parameter monitoring and during sample collection.

QA/QC procedures are described in the QAPP (section 8.0)

7.3.3 *Monitoring Well Survey and Synoptic Gauging*

LaBella will use elevation information from Alpine's Phase II (see table below) and add survey vertical location of the top of casing of new monitoring wells. This data will be used with the groundwater well gauging data to prepare a sample location plan and a groundwater contour map depicting the elevation of the water table across the site. Vertical control will be established by surveying performed relative to North American Vertical Datum of 1988 (NAVD88). Elevations of the top of monitoring well casings and protective well casings will be surveyed to the nearest 0.01 foot. A synoptic gauging event will be performed to document static water levels. All accessible wells will be gauging during this event.

Monitoring Well ID	Top of PVC Elevation	Water Depth (8/26/21)	Groundwater Elevation
MW-1	23.87	11.06	12.81
MW-2	23.30	13.05	10.25
MW-3	21.40	12.40	9.00
MW-4	20.18	13.91	6.27
MW-5	20.20	6 44	13.76
MW-6	19.87	2 80	17.07
MW-7	19.65	2 25	17.40
MW-8	19.74	1 26	18.48
MW-9	20.30	1 73	18.57
Mw-10	21.93	3 34	18.59
Mw-11	35.39	15.90	19.49
MW-12	34.65	15.85	18.80
MW-13	33.77	12.39	21.38
MW-14	34.52	12.92	21.60
MW-15	35.75	14.23	21.52
MW-16	27.94	10.17	17.77
MW-17	27.16	13.75	13.41
MW-18	27.16	14.35	12.81
MW-19	21.90	12.61	9.29
MW-20	24.32	11.27	13.05

7.4 Qualitative Human Health Exposure Evaluation

A qualitative human health exposure assessment will be completed for the Site, characterizing the current and future exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. The qualitative human health exposure assessment will be performed consistent with DER-10, Appendix 3B and Section 3.3 (b) 8. Consistent with DER-10 Appendix 3C, a Fish and Wildlife Resources Impact Analysis Decision Key will be completed.

8.0 QUALITY ASSURANCE PROJECT PLAN

This quality assurance project plan (QAPP) presents the objectives, functional activities, methods, and QA/QC requirements associated with sample collection and laboratory analysis for characterization activities. The QAPP follows requirements detailed in DER-10, Section 2.

The overall QA objective is to develop and implement procedures for sample preparation and handling, sample COC, laboratory analyses, and reporting, in order to provide accurate data. Specific procedures to be followed for sampling, sample custody and document control, calibration, laboratory analyses and data reduction, validation, assessment and reporting are presented.

The purpose of the subsequent sections is to define the goals for the level of QA effort; namely, accuracy; precision and sensitivity of analyses; and completeness, representativeness and comparability of measurement data from the analytical laboratories. QA objectives for field measurements are also discussed.

8.1 Project Organization

The investigative efforts defined in this RIWP will be coordinated by LaBella on behalf of BBL Barnett LLC. The following identifies the responsibilities of various organizations supporting the RI:

- The NYSDEC Project Manager (Matthew Dunham, PE) will be responsible for reviewing and approving this work plan, coordinating approval of requested modifications, and providing guidance on regulatory requirements.

- The LaBella Professional Engineer (Dan Noll, PE) will provide technical expertise for review of the project plans, reports, and ongoing field activities. The Program Manager will act as the project's Quality Assurance Manager.

- LaBella Program Manager (Arlette St. Romain) will be responsible for the day-to-day project management, task leadership, and project engineering support and for the planning and implementation of RI activities. The Project Manager is responsible for ensuring that the requirements of this RI work plan are implemented.

- LaBella Project Manager and Field Team Leader (Branson Fields) will be responsible for sample collection, oversight of subcontractor personnel, and coordination of daily field activities. The Field Team Leader will act as the Site Health and Safety Officer ensuring implementation of the Site Health and Safety Plan.

- A NYSDOH ELAP certified laboratory (to be determined) will be contracted to perform required analyses and reporting, including ASP Category B Deliverables, which will allow for data validation.

- Various LaBella and subcontracted entities will perform surveying, drilling, and/or sampling at the direction of the Field Team Leader in accordance with this RIWP.

8.2 Laboratory Analysis

Requirements for sample analyses are described below. Following collection, labeled samples will be placed on ice in a cooler. Samples will be submitted to a NYSDOH ELAP certified laboratory for analysis with a standard turnaround request (7 to 10 business days). Analytical methods, preservation, container requirements, and holding times are summarized below:

ANALYTICAL METHODS

(SOIL/GROUNDWATER)

Analyses	EPA Method	Soil Sample Preservation	Soil Sample Holding Time	Soil Sample Container	Water Sample Preservation	Water Sample Holding Time	Water Sample Container
VOCs (NYSDEC and CP-51 lists)	8260C/5035	(1) 5ml MeOH (2) 5ml Water Cool to 4°C	48 hours freeze 14 Days analysis	40 ml vials	5ml HCL Cool to 4°C	14 days	(3) 40 ml vials
SVOCs (NYSDEC list)	8270D	Cool to 4°C	14 days	4 oz. wide mouth glass	Cool to 4°C	7 days	(2) 1-L Amber
TAL Metals	6010	Cool to 4°C	6 months (28 days for Mercury)	4 oz. wide mouth glass	HNO3 (total); Unpreserved (dissolved) Cool to 4°C	6 months (28 days for Mercury)	250mL plastic
PCBs	8082A	Cool to 4°C	14 Days (Extraction)	4 oz. wide mouth glass	Cool to 4°C	7 Days	(2) 1-L Amber
Pesticides	8081B	Cool to 4°C	14 Days (Extraction)	4 oz. wide mouth glass	Cool to 4°C	7 Days	(2) 1-L Amber
1,4-Dixoane	8270D SIM	Cool to 4°C	14 Days (Extraction)	4 oz. wide mouth glass	Cool to 4°C	7 Days (Extraction)	500 mL amber
PFAS	1633	Cool to 4°C	14 Days (Extraction)	250 mL bottles	Cool to 4°C	14 Days to Extraction; 28 days to analysis	(2) 500 mL HDPE filled halfway

Analysis will conform to NYSDEC ASP Category B data deliverables will be submitted.

8.3 Level of QA Effort

To assess the quality of data resulting from the field sampling program, field duplicate samples, field blank samples, samples for laboratory matrix spike/matrix spike duplicate (MS/MSD) analyses, and trip blank samples will be collected (where appropriate) and submitted to the contract laboratory.

For soil and groundwater field samples collected, field duplicate samples will be submitted at a frequency of one (1) per 20 investigative samples or, in the event that a sampling round consists of less than 20 samples, one field duplicate will be collected. Field duplicate samples for each matrix will be collected and analyzed as a check on the aggregate analytical and sampling protocol precision.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples, for soil and groundwater only, will be analyzed at a minimum frequency of one set per 20 investigative samples. MS/MSD samples will be analyzed as a check on the analytical method's accuracy and precision.
A trip blank will be analyzed by the laboratory at a frequency of one (1) blank per day when VOCs or PFAS samples are collected and will be tested for the respective analyses. Trip black samples are analyzed as a check on the aggregate analytical and sampling protocol precision.

An equipment rinsate blank will be analyzed by the laboratory at a frequency of one (1) blank per day per equipment item (e.g., geoprobe cutting shoe, water level meter) at a minimum frequency of one set per 20 investigative samples. Equipment rinsate blank samples are a check on the decontamination protocol precision.

The sampling and analysis program is summarized in Table 1 of the RIWP and lists the specific parameters to be measured, the number of samples to be collected and the level of QA effort required for each matrix.

8.3.1 *Accuracy, Precisions and Sensitivity of Analysis*

The fundamental QA objective with respect to the accuracy, precision and sensitivity of analytical data is to achieve the QC acceptance of each analytical protocol. The method(s) precision (relative percent difference of duplicate analysis) will be determined from the duplicate analyses of MS samples. A minimum of one (1) sample will be spiked and analyzed in duplicate. Analysis will compare with the criteria presented in the appropriate methods identified in Section 9.11.

The method(s) accuracy (percent recovery) for water and soil samples will be determined by spiking selected samples (matrix spikes) with test compounds. Accuracy will be reported as the percent recovery of the test compound and will compare with the criteria given in the appropriate methods as identified in Section 9.11.

Project-specific accuracy and precision goals are identified in Section 9.11.

8.3.2 *Completeness, Representativeness and Comparability*

It is expected that all analyses conducted in accordance with the selected methods will provide data meeting QC acceptance criteria for 80 percent of samples tested. Any reasons for variances will be documented.

The sampling program has been designed to provide data representative of Site conditions. During development of these networks, consideration was given to location of historic activities, existing data from past studies completed for the Site and the physical Site setting. The extent to which existing and planned analytical data will be comparable depends on the similarity of sampling and analytical methods. The procedures used to obtain the planned analytical data are documented in this QAPP. Comparability of laboratory analyses will be ensured by the use of consistent units. Following completion of data collection, the existing database will be evaluated for representativeness.

8.4 Sample Identification

Each sample will be identified with a set of information relating individual sample characteristics. Required information consists of AOC#-Sample Designation, Depth for soil samples, and matrix (indicated by B for soil

boring and MW for groundwater). In addition, sample labels and the chain of custody will note the sample date and Time. Examples of sample IDs are shown below.

- 7a-B(0-2in)comp: (soil sample from AOC#7a- composite from 0 to 2 inches)
- 1-B-01(15-17ft): (soil sample from AOC#1- boring #1 from 15 to 17 feet)
- 1-MW-01: (groundwater sample from AOC#1- monitoring well #1)
- MW-10: (groundwater sample from existing monitoring well #10)
- 1-WC-01(pile): (waste characterization sample from AOC#1-pile)
- 6-WC-04(drum1): (waste characterization sample from AOC#6-drum#1)

Sample frequency, locations, depths, and nomenclature may change subject to field decisions and professional judgment.

8.5 Chain-of-Custody, Sample Packaging and Shipment

Each day that samples are collected, a chain-of-custody/request for analysis form will be completed and submitted to the laboratory with samples to be analyzed. A copy of the chain-of-custody will be retained in the project file. The COC will include the project name, sampler's signature, sample IDs, date and time of sample collection, and analysis requested.

Samples will be packaged and couriered to or by a laboratory representative, or they may be shipped in a manner that maintains sample preservation requirements during transport (i.e., ice to keep samples cool until receipt at the laboratory), ensures that sample holding times can be achieved by the laboratory, and prevents samples from being tampered with.

If a commercial carrier ships samples, a bill of lading (waybill) will be used as documentation of sample custody. Receipts for bills of lading and other documentation of shipment shall be maintained as part of the permanent custody documentation. Commercial carriers are not required to sign the COC as long as it is enclosed in the shipping container and evidence tape (custody seal) remains in place on the shipping container.

8.6 Data Usability and Validation

The main purpose of the data is for use in defining the extent of contamination at the site, to aid in evaluation of potential human health and ecological exposure assessments, and to support remedial action decisions. Based upon this, data usability and validation will be performed as described below. Complete data packages will be archived in the project files, and if deemed necessary additional validation can be performed using procedures in the following sections.

8.6.1 *Data Usability and Validation Requirements*

Data usability and validation are performed on analytical data sets, primarily to confirm that sampling and COC documentation are complete, sample IDs can be tied to specific sampling locations, samples were analyzed within the required holding times, and analyses are reported in conformance with NYSDEC ASP, Category B data deliverable requirements as applicable to the method utilized.

8.6.2 *Data Usability and Validation Methods*

A qualified third party will conduct an independent evaluation of the Category B data reduction and reporting by the laboratory. The data validation will be performed in accordance with the following documents: "NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, May 2010," "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review EPA 540/R-99-008, October 1999" and "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review EPA 540/R-04-004, October 2004". Data analyzed using methods not covered in these documents will be validated using the general principles used in these documents, and the analytical requirements specified in the methods pertaining to USEPA Data Validation.

8.7 Field Equipment Calibration

Equipment will be inspected and approved by the Field Team Leader before being used. Equipment will be calibrated to factory specifications, if required. Monitoring equipment will be calibrated following manufacturers recommended schedules. Daily field response checks and calibrations will be performed as necessary (i.e., PID calibrations) following manufacturers standard operating procedures. Equipment calibrations will be documented in a designated field logbook.

8.8 Equipment Decontamination

In order to minimize the potential for cross-contamination, non-dedicated drilling and sampling equipment shall be properly decontaminated prior to and between sampling/drilling locations.

8.8.1 *General Procedures*

Drilling equipment will be decontaminated in a designated area. Sampling equipment and probes will be decontaminated in an area covered with plastic sheeting near the sampling location. Waste material generated during decontamination activities will be containerized, stored and disposed of in accordance with the procedures detailed in Section 8.9. Decontamination of sampling equipment shall be kept to a minimum, and wherever possible, dedicated sampling equipment shall be used. Personnel directly involved in equipment decontamination shall wear appropriate personal protective equipment (PPE).

8.8.2 *Drilling Equipment*

Drilling equipment shall be decontaminated prior to performance of the first boring/excavation and between subsequent borings/excavations. This shall include hand tools, casing, augers, drill rods, and other related tools and equipment. Water used during drilling and/or steam cleaning operations shall be from a potable source.

8.8.3 *Sampling Equipment*

Sampling equipment (i.e., trowels, knives, split-spoons, bowls, hand augers, etc…) will be decontaminated prior to each use as follows:

- Laboratory-grade glassware detergent and tap water scrub to remove visual contamination.
- Generous tap water rinse
- Distilled water rinse

8.8.4 *Meters and Probes*

All meters and probes that are used in the field (other than those used solely for air monitoring purposes, e.g., PID meters) will be decontaminated between uses as follows:

- Laboratory-grade detergent and tap water solution wash.
- Tap water rinse.
- Distilled water rinse (triple rinse).

8.9 Management of Investigation Derived Waste

Waste materials generated from the field operations may consist of soil cuttings, purge water, and miscellaneous solid materials such as (PPE) and supplies. Investigative derived waste (IDW) generated during field operations will be disposed of in accordance with applicable regulations.

Consistent with DER-10, following sampling, soil cuttings generated from soil boring activities that are not grossly contaminated can be placed back into the borehole, up to 2 feet bgs, unless the borehole has penetrated a confining layer or extended to bedrock, or a monitoring well will be installed in the borehole. If soil cuttings are observed to be grossly contaminated or cannot be returned to their source borehole, they will be stored in 55-gallon drums. Well development and purge water will also be drummed. Drums will be labeled as Waste Material and indicate the source(s) boring/well and will be stored on-Site. Soil cores and soil cuttings will be field screened using a PID, while performing drilling operations. Investigation Derived Waste (IDW) will be managed in accordance with DER-10, Chapter 3, Section 3.3, Subdivision (e) - Management of investigation derived waste (included in Appendix E for reference). .

8.10 Field Documentation

Documentation will take place on either appropriate forms or in a dedicated site logbook per LaBella SOP#001 Field Logbook and Photographs and #006 Sampling for PFAS. Permanent black or blue ink will be used to record information in the logbook. Errors in field documentation will be lined through, initialed, dated, and corrected. Forms will be kept by the LaBella Field Team Leader during the field activities. Field activities will be documented in the field logbook and supported by field sheets as needed, for example using boring log sheets and well purge log sheets to use during those activities, and limiting use of the waterproof logbook during PFAS sampling activities. The logbook will contain waterproof pages that are consecutively numbered and be permanently bound with a hard cover. Upon completion of daily activities, unused portions of pages will be lined-through and initialed.

The primary purpose of the field logbook is to document the daily field activities and to provide descriptions of each activity. All entries in the field logbook will be recorded and dated by person making the entry.

At a minimum, entries in a logbook shall include:

- Date and time of starting work;
- Names of all personnel at site;
- Weather conditions;
- Purpose of proposed work effort;
- Sampling equipment to be used and calibration of equipment;

- Description of work area;
- Location of work area, including map reference;
- Details of work effort, particularly any deviation from the field operations plan or standard operating procedures;
- Field observations;
- Field measurements (e. g. , Photoionization Detector (PID) readings);
- Field laboratory analytical results;
- Daily health and safety entries, including levels of protection;
- Type, number, and location of samples;
- Sampling method, particularly deviations from the standard operating procedures;
- Sample location and number; and,
- Sample handling, packaging, labeling, and shipping information (including destination).

In addition to keeping logs, photographs will be taken to provide a physical record to augment the fieldworker's written observations. For each photograph taken, several items shall be recorded in the field logbooks:

- Date and time;
- Name of photographer; and,
- General direction faced and description of the subject.

Additional protocols specific to each sampling method are presented in the following sections. The general QA objective for measurement data is to obtain reproducible and comparable measurements to a degree of accuracy consistent with the use of standardized procedures.

8.11 Procedures Used to Assess Performance

8.11.1 *Precision*

Precision will be assessed by comparing the analytical results between duplicate spike analyses. Precision as relative percent difference (RPD) will be calculated as follows:

$$\text{Precision} = \frac{(D_2 - D_1)}{(D_1 + D_2)/2} \times 100$$

D1 = matrix spike recovery
D2 = matrix spike duplicate spike recovery

Acceptance criteria for duplicate soil samples will be ≤30% RPD. Acceptance criteria for duplicate water samples will be ≤20% RPD between field and laboratory data.

Percent relative standard deviation or the RPD between matrix spike analyses will be used to assess laboratory analytical precision. Acceptable criteria and compounds that will be used are identified in the appropriate USEPA methods.

8.11.2 *Accuracy*

Accuracy will be assessed by comparing a set of analytical results to the accepted or "true" values that would be expected. In general, MS/MSD and surrogate spike recoveries will be used to assess accuracy. Accuracy as percent recovery will be calculated as follows:

Accuracy = $\frac{A-B}{C} \times 100$

A = The analyte determined experimentally from the spike sample.
B = The background level determined by a separate analysis of the unspiked sample.
C = The amount of spike added.

Percent spike recoveries in MS/MSD and surrogate spike recoveries will be used to evaluate analytical accuracy. Acceptable criteria and compounds that will be used for matrix spikes are identified in the appropriate EPA methods.

The evaluation of accuracy of field measurements will be limited to checking the reproducibility of the measurement in the field by obtaining multiple readings and by calibrating the instruments (where appropriate).

8.11.3 *Representativeness, Completeness and Comparability*

Completeness is a measure of the amount of valid data obtained from a measurement system compared with the amount that was expected to be obtained under normal conditions.

To be considered complete, the data set must contain all QC check analyses verifying precision and accuracy for the analytical protocol. In addition, all data are reviewed in terms of stated goals in order to determine if the database is sufficient.

When possible, the percent completeness for each set of samples will be calculated as follows:

Completeness = $\frac{\text{valid data obtained}}{\text{total data planned}} \times 100$ percent

A completeness goal of 100 percent has been established for this project. However, if the completeness goal is not met, Site decisions may be based on any, or all of, the remaining, validated data. Representativeness will be addressed by collecting the samples as described in this document. Comparability will be addressed by collecting, analyzing, and reporting the data as described in this document.

8.11.4 *Outliers*

Procedures discussed previously will be followed for documenting deviations. In the event that a result deviates significantly from method established control limits, this deviation will be noted and its effect on the quality of the remaining data will be assessed and documented.

9.0 REMEDIAL INVESTIGATION REPORT PREPARATION

9.1 Weekly Field Reports

Weekly field reports will be prepared and submitted to the NYSDEC and NYSDOH project managers following the end of each week with field work and will include:

- An update of progress made during the week.
- Photographic documentation of the activities completed during the week.
- Identification of samples collected during the week.
- Locations and references to a site map for completed activities.
- A summary of complaints with relevant details, including contact information.
- A summary of CAMP findings, including elevated concentrations and response actions, if any.
- An explanation of notable site conditions.
- A list of anticipated work for the following reporting week.

Weekly reports are not intended to notify the NYSDEC of emergencies (e.g., accident, spill), request changes to the RIWP, or communicate other sensitive or time-critical information. However, such conditions will also be included in the weekly reports. Emergency conditions and changes to the RIWP will be communicated directly to the NYSDEC Project Manager

9.2 Remedial Investigation Report

Following completion of the RI and receipt of analytical data, a Remedial Investigation Report (RIR) will be prepared in accordance with the applicable requirements of DER-10 Section 3.14. The report will include:

- A summary of the site history and previous investigations.
- A description of site conditions.
- Sampling methodology and field observations.
- An evaluation of the results and findings.
- Conclusions and recommendations for any further assessment (if warranted), and remedial action objectives.

The report will summarize the nature and extent of contamination at each area of concern and identify unacceptable exposure pathways (as determined through a Qualitative Human Health Exposure Assessment). The report will include soil boring and well construction logs, sampling logs, tabulated analytical results, figures, and laboratory data packages. The tabulated analytical results will be organized in table format and include sample location, media sampled, sample depth, field/laboratory identification numbers, analytical results and the applicable Standards, Criteria, and Guidance (SCGs) pertaining to the Site and contaminants of concern for comparison. The report will include scaled figures showing the locations of soil borings, monitoring wells, and soil vapor points, sample concentrations above SCGs for each media,

groundwater elevation contours and flow direction, and, if appropriate, groundwater contaminant concentration contours.

An electronic copy of the RIR will be submitted to the NYSDEC and the NYSDOH via each departments File Transfer Service (FTS). Analytical results of the investigation will be submitted in the electronic data delivery (EDD) format through the Department's environmental information management system and uploaded into EQuIS.

10.0 HEALTH AND SAFETY

Field operations will be performed in accordance with the health and safety requirements to be provided in the site-specific Health and Safety Plan (HASP). The HASP is included as **Appendix B**. The HASP outlines the requirements for training, medical surveillance, daily tailgate meetings, emergency response, and accident and injury reporting.

Activity hazard analyses (AHAs) have been completed for identified work activities planned for the investigation.

The LaBella Field Team Leader will be responsible for implementing the HASP, completing the daily tailgate safety meetings and performing necessary Industrial Hygiene (IH) monitoring as specified in the HASP.

11.0 COMMUNITY AIR MONITORING PLAN

The NYSDOH Community Air Monitoring Plan (CAMP) will be used to provide measures for protection for on-site workers and the downwind community from potential airborne contaminants as a direct result of the RI. The CAMP is included as **Appendix C**.

Upwind and downwind camp air monitoring will be conducted during ground intrusive activities. The CAMP will be implemented and executed in accordance with 29 Code of Federal Regulations (CFR) 1910.120(h), the NYSDOH Generic CAMP, and DER-10 Appendix 1A and 1B..

12.0 PROJECT SCHEDULE

The field work is anticipated to be performed in 2023, following approval of this RIWP by NYSDEC and completion of the public comment period. The table below presents an estimated schedule for the proposed RI and reporting. If the schedule changes, it will be updated and submitted to NYSDEC. Timeframes for IRM activities are noted at the bottom of the chart but not shown on columns as they are estimates.

RIWP Activity	Weeks (following approval of RIWP)																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Coordinate Geophysical Survey, Drilling services and Laboratory																		
Perform Geophysical Survey																		
Advance Soil Borings and Collect Soil Samples																		

Install Monitoring Wells and Collect Groundwater Samples																		
Receipt of Category B Laboratory Results																		
Data Validation																		
EQuIS™ Electronic Data Deliverable																		
Preparation and Submission of RIR																		
AOC #1 sample analysis for remedy design																		

Data Validation – estimate 6 weeks

13.0 REFERENCES

NYSDEC, DER, December 2006, 6 NYCRR Part 375 Subpart 6, Remedial Program Soil Cleanup Objectives.

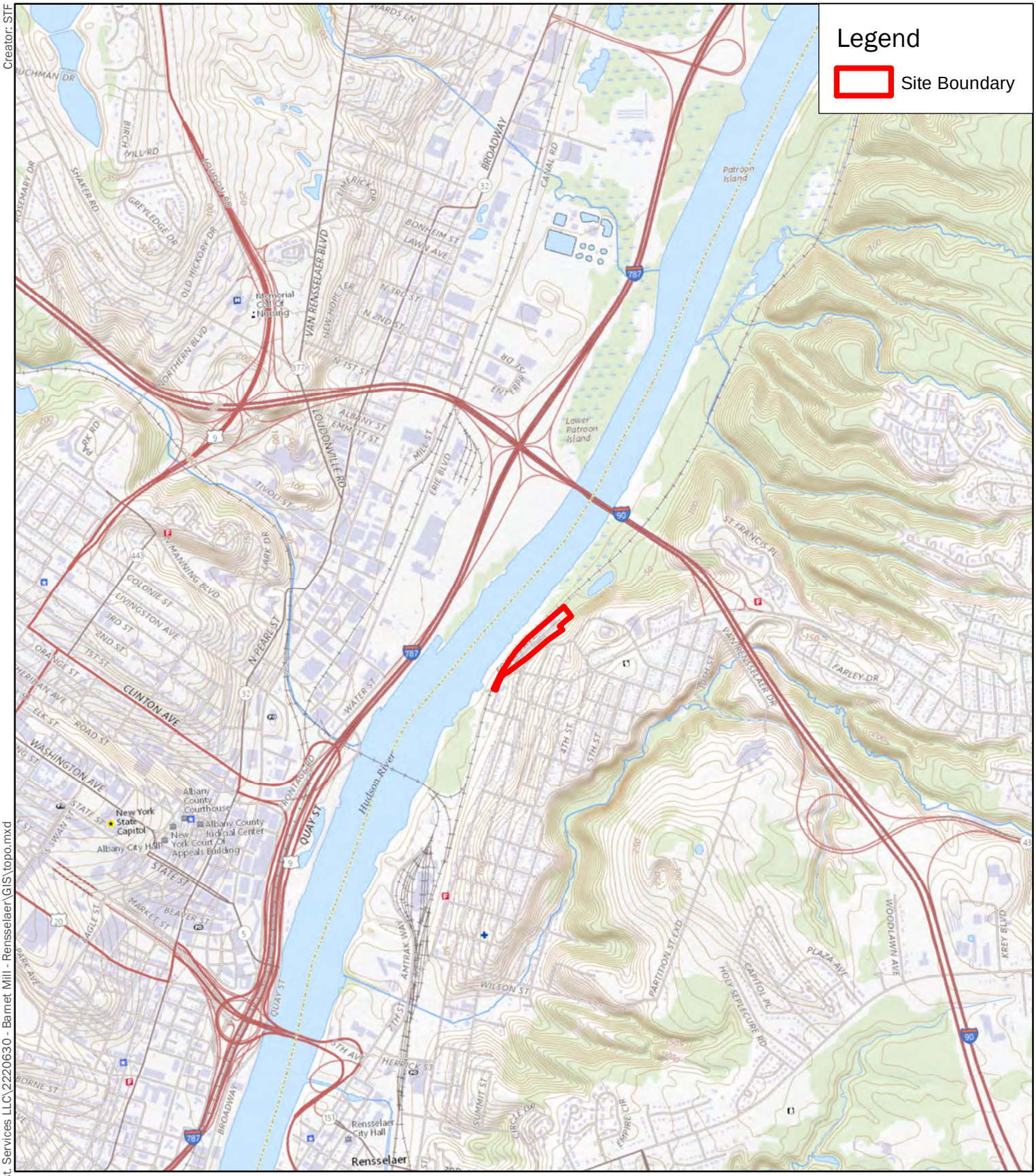
NYSDEC, DER, May 2010, DER-10, Technical Guidance for Site Investigation and Remediation.

NYSDEC. DER. April 2023. Sampling, Analysis, And Assessment Of Per- And Polyfluoroalkyl Substances (PFAS).

NYSDOH, October 2006 Soil Vapor Guidance Document

USEPA, June 2015 Soil Vapor Guidance Document

FIGURES



Creator: STF

Path: B:\ALB\PROJECTS\BBL Const. Services LLC\2220630 - Barnet Mill - Rensselaer\GIS\topo.mxd

LaBella
Powered by partnership

BBL Construction Services

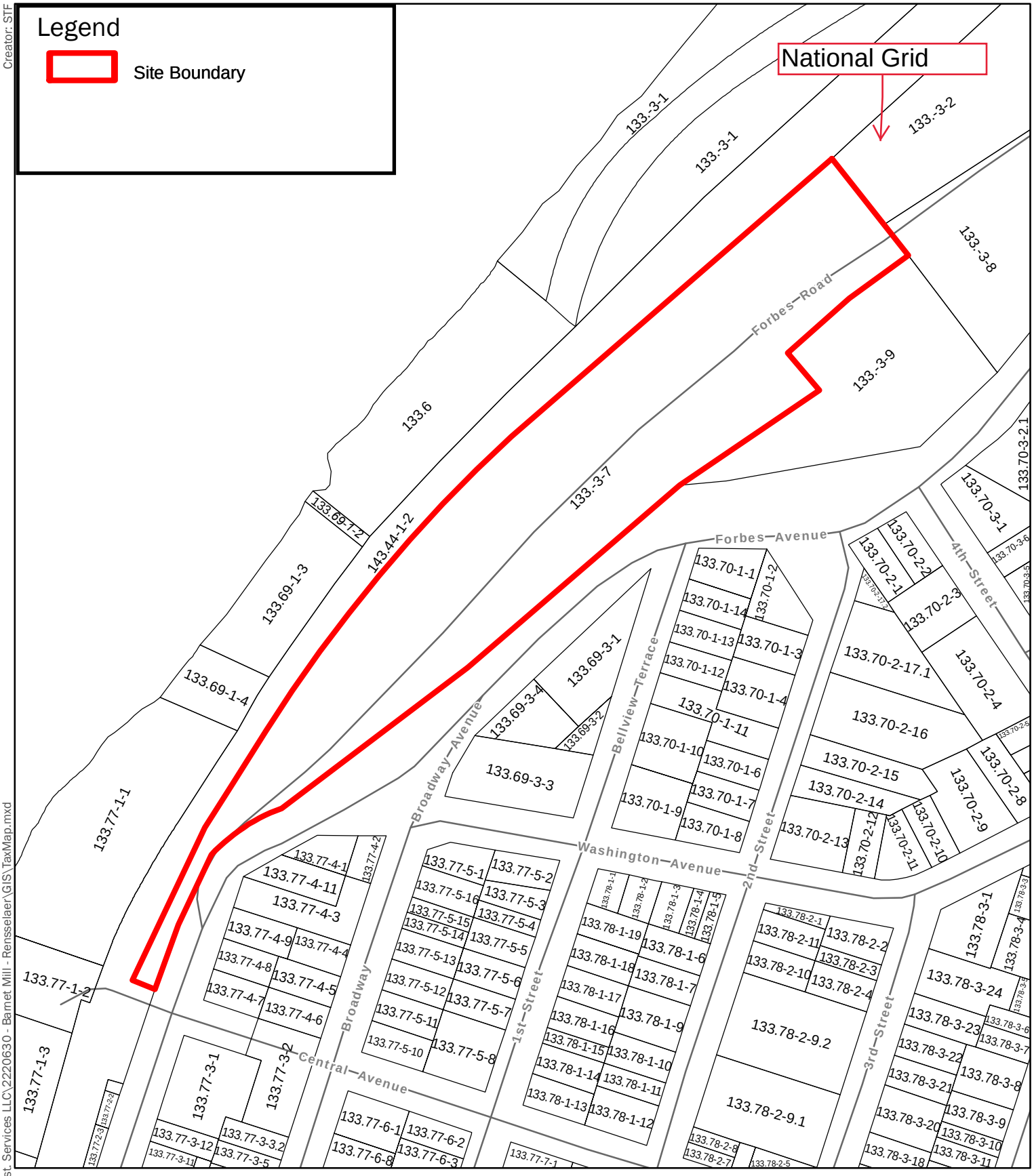
Barnet Mill

LaBella Project No: 2220630

Date: 9/13/2022

Site Location Map

FIGURE #1A



Creator: STF

Path: B:\ALB\PROJECTS\BBL Const. Services LLC\2220630 - Barnet Mill - Rensselaer\GIS\TaxMap.mxd

NOTES;
1. LAYER DESCRIPTION: DATA SOURCE
2. LAYER DESCRIPTION: DATA SOURCE

0 75 Feet

1 inch = 200 feet

N

LaBella
Powered by partnership

BBL Constructoin Services

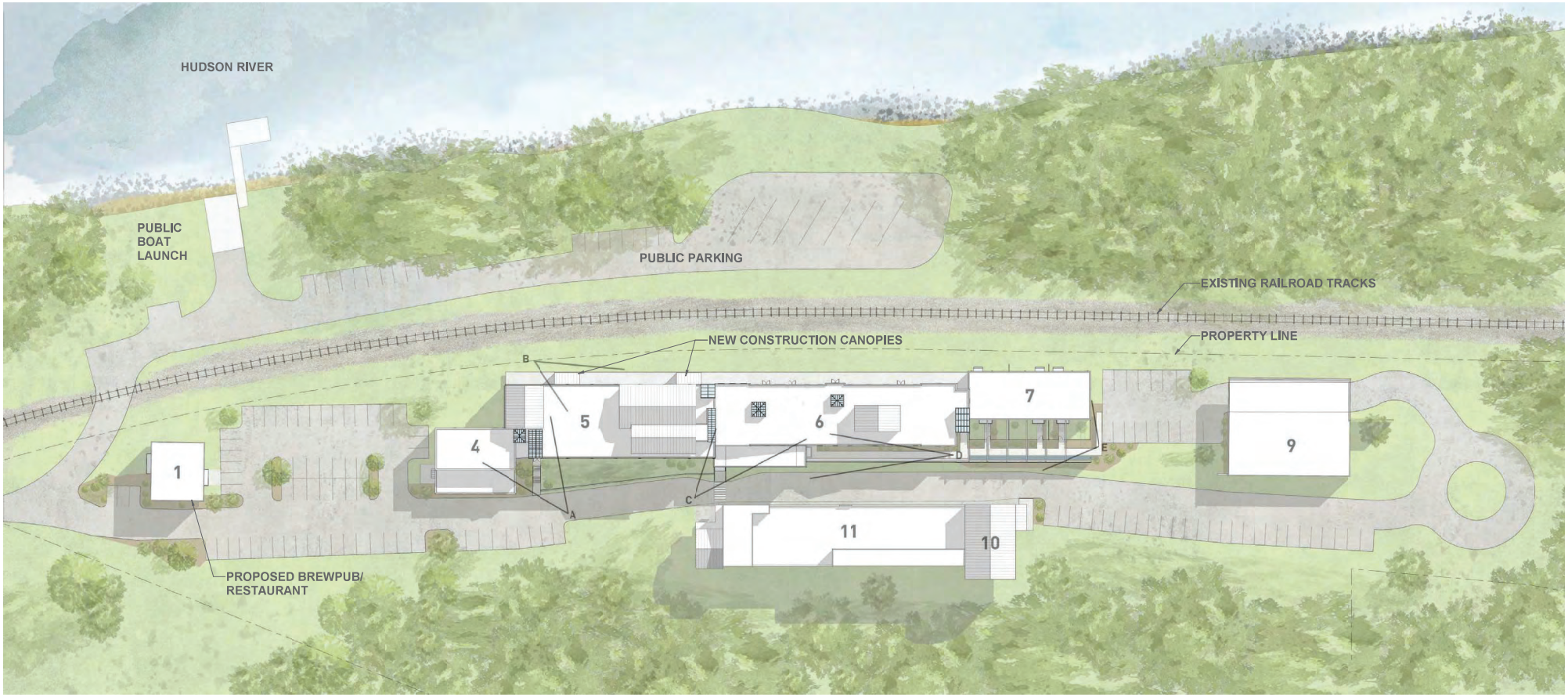
Barnet Mill

LaBella Project No: 2220630

Date: 9/13/2022

Tax Map with Adjoining Property Owner Names

FIGURE #1B



A

B

C

D

E

hbt ARCHITECTS

RENDERED SITE PLAN AND VIGNETTES
MARCH 18, 2022

BARNET MILLS REDEVELOPMENT

BBL CONSTRUCTION

FIGURE 2a Barnet Mills Redevelopement Plan

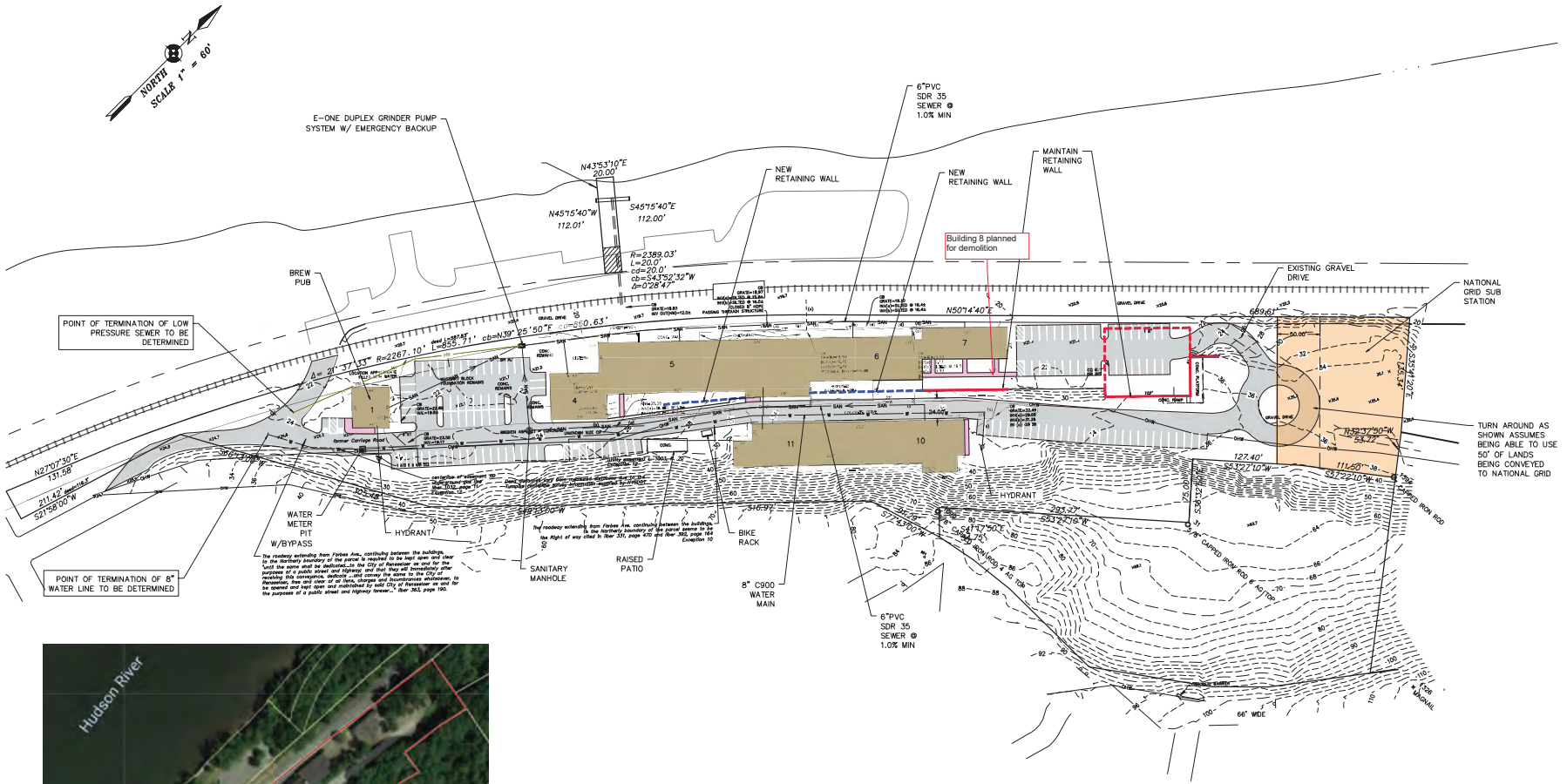


Figure 2b - Site Sketch Plan

Drawing Copyright © 2018 HART ENGINEERING. In addition to this protection, pursuant to Title 17 USC Section 720, sub-section 2 of the New York State Education law.

Only copies from the original drawings that have the original signature in red ink of the preparer shall be considered to be authentic and valid copies.

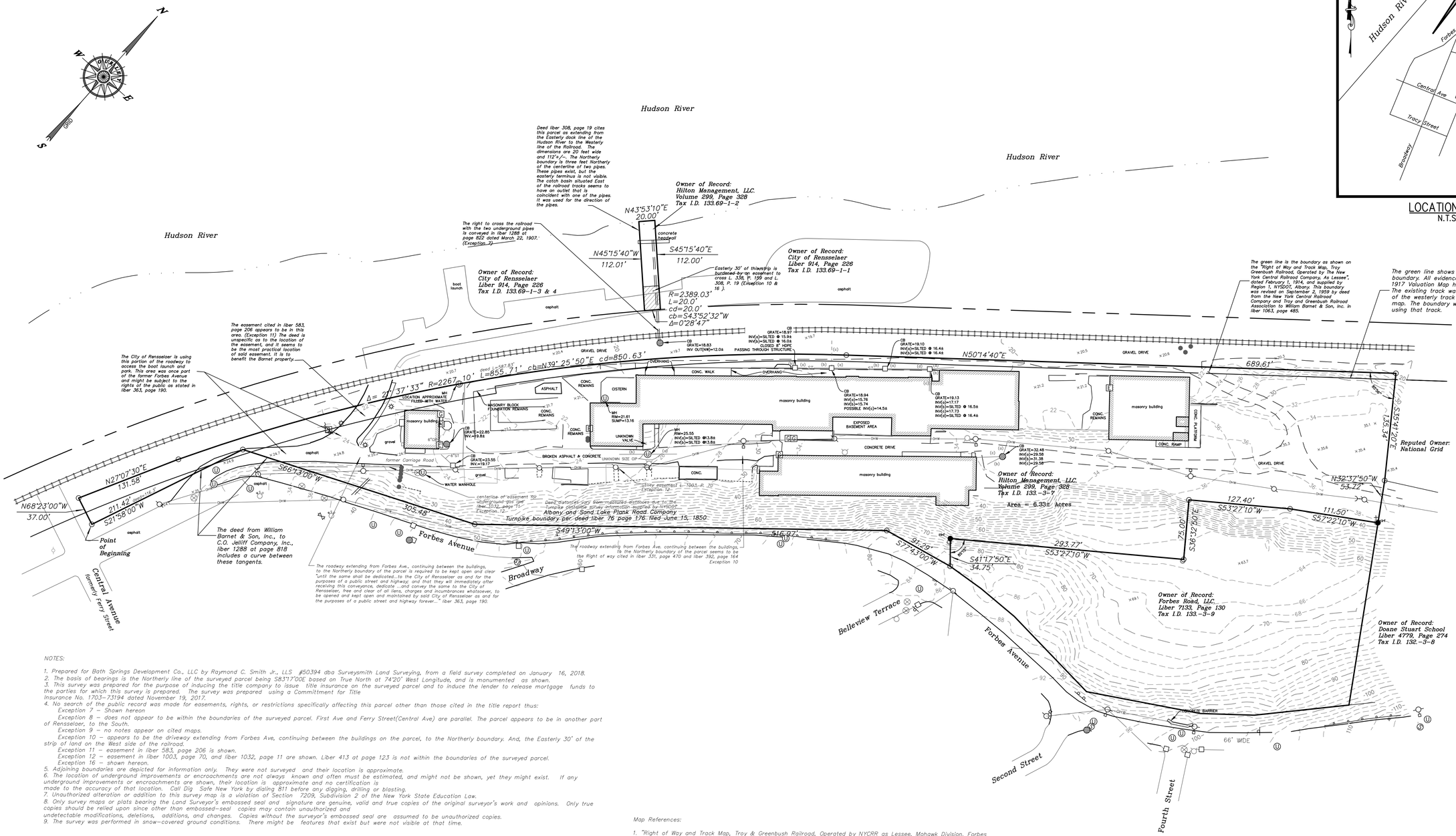
HART ENGINEERING
1969 FERNDALE ROAD
CASTLETON NY, 12033
Phone: (518) 479-4014
Fax: (518) 477-8371
STEVEN P. HART, P.E. #080639

NO.	DATE	DESCRIPTION	REVD.	CK'D

SKETCH PLAN

BARNETT MILLS
FORBES AVE
CITY: RENSSELAER COUNTY: RENSSELAER STATE: NEW YORK

ENGINEER: STEVEN P. HART, P.E.
DRAWN BY: DAH
DATE ISSUED: SEPTEMBER 24, 2021
SCALE: 1" = 60'
DRAWING NUMBER: C100
1 OF 1



LOCATION MAP
N.T.S.

NOTES:

1. Prepared for Bath Springs Development Co., LLC by Raymond C. Smith Jr., LLS #50394 dba Surveysmith Land Surveying, from a field survey completed on January 16, 2018.
2. The basis of bearings is the Northerly line of the surveyed parcel being S83°17'00E based on True North at 74°20' West Longitude, and is monumented as shown.
3. This survey was prepared for the purpose of inducing the title company to issue title insurance on the surveyed parcel and to induce the lender to release mortgage funds to the parties for which this survey is prepared. The survey was prepared using a Committment for Title Insurance No. 1703-73194 dated November 19, 2017.
4. No search of the public record was made for easements, rights, or restrictions specifically affecting this parcel other than those cited in the title report thus:
   Exception 7 – Shown hereon
   Exception 8 – does not appear to be within the boundaries of the surveyed parcel. First Ave and Ferry Street(Central Ave) are parallel. The parcel appears to be in another part of Rensselaer, to the South.
   Exception 9 – no notes appear on cited maps.
   Exception 10 – appears to be the driveway extending from Forbes Ave, continuing between the buildings on the parcel, to the Northerly boundary. And, the Easterly 30' of the strip of land on the West side of the railroad.
   Exception 11 – easement in liber 583, page 206 is shown.
   Exception 12 – easement in liber 1003, page 70, and liber 1032, page 11 are shown. Liber 413 at page 123 is not within the boundaries of the surveyed parcel.
   Exception 16 – shown hereon.
5. Adjoining boundaries are depicted for information only. They were not surveyed and their location is approximate.
6. The location of underground improvements or encroachments are not always known and often must be estimated, and might not be shown, yet they might exist. If any underground improvements or encroachments are shown, their location is approximate and no certification is made to the accuracy of that location. Call Dig Safe New York by dialing 811 before any digging, drilling or blasting.
7. Unauthorized alteration or addition to this survey map is a violation of Section 7209, Subdivision 2 of the New York State Education Law.
8. Only survey maps or plats bearing the Land Surveyor's embossed seal and signature are genuine, valid and true copies of the original surveyor's work and opinions. Only true copies should be relied upon since other than embossed-seal copies may contain unauthorized and undetectable modifications, deletions, additions, and changes. Copies without the surveyor's embossed seal are assumed to be unauthorized copies.
9. The survey was performed in snow-covered ground conditions. There might be features that exist but were not visible at that time.

CERTIFICATION:

The sole purpose of certifying a survey to a client, title company, or lending institution is to confirm the opinion of the Surveyor to his client and to the title company, or lending institution for a specific transaction. It is does not extend this obligation beyond such transaction, or to additional title companies, lending institutions, or subsequent owners. (NYSAPLS Code of Practice, Sec.A, Par. 6.) This survey is therefore certified only to:

Bath Springs Development Co., LLC
Chicago Title Insurance Company

DEED REFERENCE:

1. Deed to Hilton Management LLC, recorded in the Rensselaer County Clerk's Office on in Volume 299 of Deeds at Page 328.

Map References:

1. "Right of Way and Track Map, Troy & Greenbush Railroad, Operated by NYCRR as Lessee, Mohawk Division, Forbes Ave – Iron Works", dated February 1, 1914, obtained from the NYSDOT Headquarters, Region 1.
2. "Map Showing a portion of lands of The Forbes Manor Realty Company", prepared by John Flynn Jr., C.E.dated January 20, 1914 and filed in the Rensselaer County Clerk's Office in Drawer 1985 as map 150.
3. "Map of Bath on the Hudson" filed on July 24, 1898in the Rensselaer County Clerk's Office in drawer 35 as map 2, refiled in drawer 1985 as map 20.

Figure 3 - Site Survey Map

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It is a violation of the State Education Law for any person, unless acting under the direction of a licensed surveyor, to alter an item in any way.

Only copies from the original of this map bearing an original signature and the embossed seal of the preparer shall be considered to be true and valid copies.

Raymond C. Smith Jr., LLS
NYS LLS No. 050394

REVISIONS

NO.	DATE	DESCRIPTION	BY

ORIGINAL SCALE
60 30 0 60 120 180
1" = 60'

CITY OF RENSSELAER
RENSSELAER COUNTY * NEW YORK
BOUNDARY RETRACEMENT SURVEY
LANDS N/F
HILTON MANAGEMENT, LLC
FORBES AVENUE

DESIGNED BY ____
DRAWN BY MLH
REVIEWED BY RCS

GURLEY ENGINEERING
Surveying and Mapping Group, P.C.
4 Computer Drive West • Albany, New York 12205
Phone: (518) 458-7112 • www.labergergroup.com

DATE 05/19/21
SCALE 1"=60'
SHEET 1

Laberge Group – J:\2021058\Survey Folders\Dwg\2021058-Survey.dwg [24x36] May 27, 2021 – 2:04pm rcs

Result in Bold indicates exceedance of Standard.

sample collected 08/09/2021

Sample Location	B-1 (10-15 ft)
VOC's	
Acetone	20 ug/kg
Benzene	0.73 ug/kg
n-Butylbenzene	37 ug/kg
sec-Butylbenzene	56 ug/kg
tert-Butylbenzene	8.8 ug/kg
1,2-Dichlorobenzene	1.3 ug/kg
Ethylbenzene	3.5 ug/kg
Isopropylbenzene	29 ug/kg
Naphthalene	70 ug/kg
p-Isopropyltoluene	13 ug/kg
n-Propylbenzene	18 ug/kg
Toluene	1.3 ug/kg
1,3,5-Trimethylbenzene	33 ug/kg
1,2,4-Trimethylbenzene	160 ug/kg
p/m-Xylenes	5.4 ug/kg
o-Xylene	1.4 ug/kg
Cyclohexane	7.7 ug/kg
Methylcyclohexane	35 ug/kg
Semi-VOC's	
Anthracene	120 ug/kg
Acenaphthene	140 ug/kg
Acenaphthylene	35 ug/kg
Benzo(a)anthracene	160 ug/kg
Benzo(a)pyrene	61 ug/kg
Benzo(b)Fluoranthene	43 ug/kg
Chrysene	240 ug/kg
Benzo(ghi)perylene	42 ug/kg
Fluoranthene	55 ug/kg
Fluorene	150 ug/kg
Phenanthrene	730 ug/kg
Pyrene	210 ug/kg
Metals	
Arsenic	5.58
Barium	26.6
Cadmium	0.212
Chromium	11.2
Lead	8.48
Selenium	0.655

ppm

Sample collected on 08/31/20; Data from Alpine's 2/28/2022 UST Report

SVOCs (ppm)	UUSCO	RRUSCO	6-OilTank Ex West Wall
Benz(a)anthracene	1	1	**2.9**
Benzo(a)pyrene	1	1	**2.2**
Benzo(b)fluoranthene	1	1	**3.2**
Benzo(k)fluoranthene	0.8	3.9	0.86
Chyrsene	1	3.9	2.4
Dibenzo(a,h)anthracene	0.33	0.33	**0.44**
Indeno(1,2,3-cd)pyrene	0.5	0.5	**1.4**
SVOCs (ppm)	**UUSCO**	**RRUSCO**	**6-OilTank Ex Bottom @17'**
Benz(a)anthracene	1	1	**1.5**
Chrysene	1	3.9	2.6

sample collected 08/12/2021

Sample Location	B-20 (16-18 ft)
VOC's	
Acetone	9.7 ug/kg
sec-Butylbenzene	0.33 ug/kg
tert-Butylbenzene	0.58 ug/kg
Chlorobenzene	0.34 ug/kg
Naphthalene	1.8 ug/kg
1,2,4-Trimethylbenzene	0.44 ug/kg
Methylcyclohexane	0.71 ug/kg
Semi-VOC's	
Benzo(a)anthracene	76 ug/kg
Chrysene	96 ug/kg
Pyrene	99 ug/kg

sample collected 08/09/2021

Sample Location	B-2 (10-15 ft)
VOC's	
Acetone	20 ug/kg
n-Butylbenzene	3.1 ug/kg
sec-Butylbenzene	5.0 ug/kg
tert-Butylbenzene	0.73 ug/kg
1,2-Dichlorobenzene	0.16 ug/kg
Isopropylbenzene	0.80 ug/kg
Naphthalene	1.9 ug/kg
p-Isopropyltoluene	0.25 ug/kg
1,2,4-Trimethylbenzene	0.40 ug/kg
Cyclohexane	3.1 ug/kg
Methylcyclohexane	12 ug/kg
Semi-VOC's	
Benzo(a)anthracene	41 ug/kg
Chrysene	60 ug/kg
Fluorene	34 ug/kg
Phenanthrene	88 ug/kg
Pyrene	51 ug/kg

sample collected 08/12/2021

Sample Location	B-19 (15-20 ft)
VOC's	
Acetone	13 ug/kg
sec-Butylbenzene	0.40 ug/kg
Ethylbenzene	0.37 ug/kg
Isopropylbenzene	0.14 ug/kg
n-Propylbenzene	0.22 ug/kg
1,2,4-Trimethylbenzene	0.34 ug/kg
Methylcyclohexane	0.93 ug/kg
Metals	
Arsenic	6.18
Barium	26.7
Cadmium	0.245
Chromium	13.4
Lead	8.54
Silver	0.127
Selenium	0.616

ppm

Sample collected on 08/31/20; Data from Alpine's 2/28/2022 UST Report

SVOCs (ppm)	UUSCO	RRUSCO	OWS Tank South Wall
Benz(a)anthracene	1	1	**1.5**
Benzo(a)pyrene	1	1	**1.1**
Benzo(b)fluoranthene	1	1	**1.4**
Chyrsene	1	3.9	1.2
Indeno(1,2,3-cd)pyrene	0.5	0.5	**0.67**
SVOCs (ppm)	**UUSCO**	**RRUSCO**	**OWS Tank East Wall**
Benz(a)anthracene	1	1	**3.5**
Benzo(a)pyrene	1	1	**2.9**
Benzo(b)fluoranthene	1	1	**3.7**
Benzo(k)fluoranthene	0.8	3.9	1.1
Chyrsene	1	3.9	3.2
Indeno(1,2,3-cd)pyrene	0.5	0.5	**2.0**

sample collected 08/10/2021

Sample Location	B-7 (4-5 ft)
VOC's	
Acetone	34 ug/kg
n-Butylbenzene	6.1 ug/kg
sec-Butylbenzene	16 ug/kg
tert-Butylbenzene	2.2 ug/kg
1,2-Dichlorobenzene	1.0 ug/kg
1,3-Dichlorobenzene	0.22 ug/kg
1,4-Dichlorobenzene	0.35 ug/kg
Ethylbenzene	0.31 ug/kg
Isopropylbenzene	2.0 ug/kg
Naphthalene	6.4 ug/kg
p-Isopropyltoluene	0.28 ug/kg
Toluene	0.87 ug/kg
1,3,5-Trimethylbenzene	0.57 ug/kg
1,2,4-Trimethylbenzene	3.0 ug/kg
o-Xylene	0.54 ug/kg
Cyclohexane	0.6 ug/kg
Methylcyclohexane	8.5 ug/kg
Semi-VOC's	
Anthracene	61 ug/kg
Acenaphthene	70 ug/kg
Benzo(a)anthracene	120 ug/kg
Benzo(a)pyrene	54 ug/kg
Benzo(b)Fluoranthene	37 ug/kg
Chrysene	250 ug/kg
Benzo(ghi)perylene	28 ug/kg
Fluoranthene	47 ug/kg
Fluorene	130 ug/kg
Ideno(1,2,3-cd)pyrene	310 ug/kg
Phenanthrene	150 ug/kg
Pyrene	160 ug/kg
Metals	
Arsenic	5.42
Barium	42.7
Cadmium	0.226
Chromium	13.3
Mercury	0.048
Lead	13.7
Selenium	0.885

ppm

sample collected 08/10/2021

Sample Location	B-8 (4-5 ft)
VOC's	
Acetone	77 ug/kg
sec-Butylbenzene	2.0 ug/kg
tert-Butylbenzene	0.79 ug/kg
1,1-Dichloroethane	0.40 ug/kg
Isopropylbenzene	0.27 ug/kg
Naphthalene	14 ug/kg
1,3,5-Trimethylbenzene	0.52 ug/kg
1,2,4-Trimethylbenzene	0.76 ug/kg
Cyclohexane	0.72 ug/kg
Methylcyclohexane	2.4 ug/kg
Semi-VOC's	
Anthracene	430 ug/kg
Acenaphthene	330 ug/kg
Acenaphthylene	120 ug/kg
Benzo(a)anthracene	780 ug/kg
Benzo(a)pyrene	430 ug/kg
Benzo(b)Fluoranthene	880 ug/kg
Benzo(k)Fluoranthene	220 ug/kg
Chrysene	1300 ug/kg
Benzo(ghi)perylene	270 ug/kg
Dibenzo(a,h)anthracene	100 ug/kg
Fluoranthene	1200 ug/kg
Ideno(1,2,3-cd)pyrene	320 ug/kg
Phenanthrene	1000 ug/kg
Pyrene	1300 ug/kg
PCB's	
Arochlor 1268	15.8 ug/kg
Total PCB's	15.8 ug/kg
Metals (ppm)	
Arsenic	37.2
Barium	33.6
Cadmium	0.526
Chromium	21.2
Mercury	0.123
Lead	65.8
Selenium	3.93

UUSCO and RUSCO
50 and 100,000 ug/kg

UUSCO and RRUSCO
1,000 and 3,900 ug/kg

UUSCO and RRUSCO ppm
13 and 16

sample collected 08/11/2021

Sample Location	B-13 (10-15 ft)
VOC's	
n-Butylbenzene	0.28 ug/kg

sample collected 09/10/2021

Sample Location	SubSta-2
VOC's	
Trichloroethene	0.26 ug/kg

sample collected 09/10/2021

Sample Location	SubSta-1
VOC's	
Trichloroethene	1.0 ug/kg

sample collected 07/27/2021

Sample Location	TP-9 (8-9 ft)
VOC's	
Chloroform	0.21 ug/kg
Toluene	1.4 ug/kg
Semi-VOC's	
Anthracene	48 ug/kg
Benzo(a)anthracene	120 ug/kg
Benzo(a)pyrene	89 ug/kg
Benzo(b)Fluoranthene	120 ug/kg
Benzo(k)Fluoranthene	49 ug/kg
Chrysene	120 ug/kg
Benzo(ghi)perylene	52 ug/kg
Fluoranthene	240 ug/kg
Fluorene	19 ug/kg
Ideno(1,2,3-cd)pyrene	56 ug/kg
Phenanthrene	180 ug/kg
Pyrene	190 ug/kg
PCB's	
Arochlor 1268	78.3 ug/kg
Total PCB's	78.3 ug/kg
Metals	
Arsenic	7.80
Barium	99.0
Cadmium	1.48
Chromium	31.8
Mercury	0.18
Lead	81.6
Silver	< 0.37
Selenium	< 1.5

UUSCO and RRUSCO (ppm)
30 and 110
0.18 and 0.81
63 and 400

sample collected 07/27/2021

Sample Location	TP-11 (10 ft)
VOC's	
Benzene	0.28 ug/kg
Chloroform	0.19 ug/kg
Toluene	2.1 ug/kg
Semi-VOC's	
Benzo(a)anthracene	44 ug/kg
Benzo(b)Fluoranthene	61 ug/kg
Benzo(k)Fluoranthene	40 ug/kg
Chrysene	65 ug/kg
Benzo(ghi)perylene	40 ug/kg
Fluoranthene	64 ug/kg
Ideno(1,2,3-cd)pyrene	36 ug/kg
Phenanthrene	78 ug/kg
Pyrene	57 ug/kg
PCB's	
Arochlor 1268	**1830 ug/kg**
Total PCB's	**1830 ug/kg**
Metals	
Arsenic	14.5
Barium	476
Cadmium	3.83
Chromium	277
Mercury	0.26
Lead	552.0
Silver	2.76 ug/kg
Selenium	< 1.7 ug/kg

UUSCO and RRUSCO
100 and 1,000 ug/kg

UUSCO and RRUSCO (ppm)
13 and 16
350 and 410
2.5 and 4.3
30 and 110
0.18 and 0.81
63 and 400

sample collected 07/27/2021

Sample Location	TP-1 (6-8 ft)
VOC's	
Acetone	440 ug/kg
2-Butanone (MEK)	190 ug/kg
Carbon Disulfide	8.8 ug/kg
Chloroform	11 ug/kg
Methyl Acetate	330 ug/kg
Toluene	100 ug/kg
Semi-VOC's	
Chrysene	19 ug/kg
PCB's	
Arochlor 1268	748 ug/kg
Total PCB's	748 ug/kg
Metals	
Arsenic	6.52
Barium	82.9
Cadmium	1.49
Chromium	86.3
Mercury	0.22
Lead	75.3
Silver	0.53
Selenium	< 1.6

ppm

UUSCO and RRUSCO ug/kg
50 and 100,000
120 and 100,000

UUSCO and RRUSCO ppm
30 and 110
0.18 and 0.81
63 and 400

sample collected 07/27/2021

Sample Location	TP-1 (8-10 ft)
VOC's	
Acetone	1200 ug/kg
2-Butanone (MEK)	390 ug/kg
Carbon Disulfide	10 ug/kg
Chloroform	12 ug/kg
Methyl Acetate	530 ug/kg
Toluene	1700 ug/kg
Semi-VOC's	
Benzo(a)anthracene	31 ug/kg
Benzo(b)Fluoranthene	62 ug/kg
Chrysene	110 ug/kg
Benzo(ghi)perylene	26 ug/kg
Fluoranthene	44 ug/kg
Phenanthrene	43 ug/kg
Pyrene	45 ug/kg
PCB's	
Arochlor 1268	**1300 ug/kg**
Total PCB's	**1300 ug/kg**
Metals (ppm)	
Arsenic	7.36
Barium	123.0
Cadmium	1.56
Chromium	185
Mercury	0.45
Lead	158
Silver	0.81
Selenium	< 1.7

UUSCO and RRUSCO ug/kg
50 and 100,000
120 and 100,000

UUSCO and RRUSCO ug/kg
700 and 100,000

UUSCO and RRUSCO ug/kg
100 and 1,000

UUSCO and RRUSCO (ppm)
30 and 110
0.18 and 0.81
63 and 400

sample collected 07/27/2021

PCBs (ppm)	UUSCO	RRUSCO	SB-3 (0-2ft)
Arochlor 1268	0.1	1	**1.8**
Total PCBs	0.1	1	**1.8**

SB-1 SB-2 SB-3 SB-4 SB-5 SB-6 SB-7 SB-8 SB-9 SB-10 SB-11

B-1 B-2 B-3 B-4 B-5 B-6 B-7 B-8 B-9 B-10 B-11 B-12 B-13 B-14 B-15 B-16 B-17 B-18 B-19 B-20

SS-01 SS-02 SS-03 SS-04 SS-05 SS-06 SS-07 SS-08 SS-09 AA-01

TP-1 TP-2 TP-3 TP-4 TP-5 TP-6 TP-7 TP-8 TP-9 TP-10 TP-11

SW-DR1 SW-DR2

1,000 Gallon Oil-Water Separator UST

UST Vent Pipe
20,000 Gallon #6 Fuel Oil UST

Concrete Storm Water Tank
(SW-Tank) 100,000 Gallons

Drain Sample
SW-Tank
(Manhole)

Sub-Station #1

Sub-Station #2

Historic Electrical Sub-Station

Hudson River

Point of Beginning

Central Avenue
formerly Ferry Street

Forbes Avenue

Broadway

Belleview Terrace

Reputed National

LaBella's Supplemental Phase II Sample Locations 2022 (borings and temporary wells in blue; shallow soil in red). Soil samples were collected on July 7, 2022.

Red outlined notations and UST sample results added by LaBella

ENVIRONMENTAL SERVICES

DATE: September 2021

Barnet Mills
20 Forbes Avenue
Rensselaer, New York

DESCRIPTION:	DATE:
DRAFT	September 10, 2021

PROJECT NO: 21-26694-E

SHEET NO:

FIGURE 4

SHEET TITLE: Soil Sample Results with Comparisons to NYSDEC Part 375 Soil Cleanup Objectives for Restricted-Residential Use and Commercial Use (from Draft Phase II Figure 6)

DRAWN BY:

Sample Location	MW-2	GWQS (ug/L)
Cyclohexane	1.8 ug/L	
Methyl Cyclohexane	0.92 ug/L	
Anthracene	0.30 ug/L	
Acenaphthene	0.70 ug/L	
Acenaphthylene	0.11 ug/L	
Benzo(a)anthracene	**0.33 ug/L**	0.002
Benzo(a)pyrene	**0.20 ug/L**	ND
Benzo(b)Fluoranthene	**0.14 ug/L**	0.002
Benzo(k)Fluoranthene	**0.03 ug/L**	0.002
Chrysene	**0.71 ug/L**	0.002
Benzo(ghi)perylene	0.12 ug/L	
Dibenzo(a,h)anthracene	0.06 ug/L	
Fluoranthene	0.17 ug/L	
Fluorene	0.86 ug/L	
Ideno(1,2,3-cd)pyrene	**0.04 ug/L**	0.002
Napthalene	0.17 ug/L	
Phenanthrene	0.89 ug/L	
Pyrene	0.61 ug/L	

Sample Location	MW-3
All Analytes	None Detect

Sample Location	MW-4	GWQS (ug/L)
1,1-Dichloroethane	4.7 ug/L	
1,1,1-Trichloroethane	**32 ug/L**	5

Sample Location	MW-5
Toluene	0.70 ug/L

Sample Location	MW-6
Toluene	0.79 ug/L
Cyclohexane	0.51 ug/L

Sample Location	MW-7
All Analytes	None Detect

Sample Location	MW-8
All Analytes	None Detect

Sample Location	MW-9
All Analytes	None Detect

Sample Location	MW-10
Acetone	1.6 ug/L

Temp Well-1

Temp Well-3

Temp Well-4

Temp Well-2

Hudson River

MW-1 GW: 12.83'
MW-2 GW: 10.25'
MW-3 GW: 9.00'
MW-4 GW: 6.27'
MW-5 GW: 13.76'
MW-6 GW: 17.07'
MW-7 GW: 17.40'
MW-8 GW: 18.48'
MW-9 GW: 18.51'
MW-10 GW: 18.59'
MW-11 GW: 19.10'
MW-12 GW: 18.80'
MW-13 GW: 21.38'
MW-14 GW: 21.60'
MW-15 GW: 21.52'
MW-16 GW: 17.77'
MW-17, GW: 13.41'
MW-18 GW: 12.81'
MW-19 GW: 9.29'
MW-20 GW: 13.05'

Sample Location	MW-1
Acetone	3.6 ug/L
Isopropylbenzene	1.5 ug/L
Cyclohexane	3.9 ug/L
Methyl Cyclohexane	4.7 ug/L

Sample Location	MW-20
Acetone	2.7 ug/L
Carbon disulfide	3.0 ug/L

Sample Location	MW-19
1,1,1-Trichloroethane	0.71 ug/L

Sample Location	MW-18
All Analytes	None Detect

Sample Location	MW-17
All Analytes	None Detect

Sample Location	MW-16
Acetone	3.8 ug/L

Sample Location	MW-15
All Analytes	None Detect

Sample Location	MW-13
All Analytes	None Detect

Sample Location	MW-14
Chloroform	1.3 ug/L

Sample Location	MW-11	GWQS (ug/L)
Bis(2-ethylhexyl)phthalate	**5.1 ug/L**	5
Phenanthrene	0.04 ug/L	
Dibenzo(a,h)anthracene	0.01 ug/L	
Ideno(1,2,3-cd)pyrene	**0.01 ug/L**	0.002

Sample Location	MW-12
Acetone	1.5 ug/L

Result in Bold indicates exceedance of Standard.

Supplemental Phase II Sample Locations 2022 (temporary wells in red). Groundwater samples from temporary wells were collected on July 7, 2022; groundwater samples from previously installed monitoring wells MW-4, MW-8, and MW-11 (circled) were sampled for PFAS on July 8, 2022

Red outlined notations added by LaBella

Alpine Inc. ENVIRONMENTAL SERVICES

DATE: September 2021

Barnet Mills
20 Forbes Avenue
Rensselaer, New York

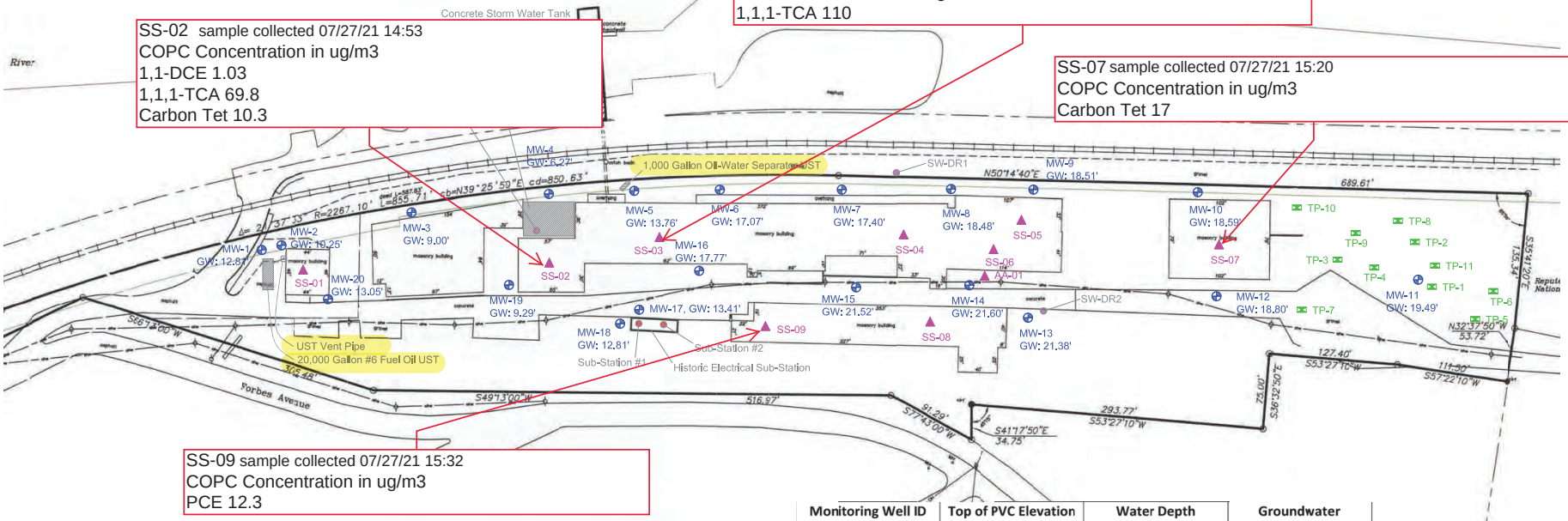
DESCRIPTION:	DATE:
DRAFT	September 10, 2021

PROJECT NO: 21-26694-E

SHEET NO:

Figure 5

SHEET TITLE:	GROUND WATER SAMPLE RESULTS		
DRAWN BY:	BG	CHECKED BY:	MS



Monitoring Well ID	Top of PVC Elevation	Water Depth (8/26/21)	Groundwater Elevation
MW-1	23.87	11.06	12.81
MW-2	23.30	13.05	10.25
MW-3	21.40	12.40	9.00
MW-4	20.18	13.91	6.27
MW-5	20.20	6.44	13.76
MW-6	19.87	2.80	17.07
MW-7	19.65	2.25	17.40
MW-8	19.74	1.26	18.48
MW-9	20.30	1.73	18.57
Mw-10	21.93	3.34	18.59
Mw-11	35.39	15.90	19.49
MW-12	34.65	15.85	18.80
MW-13	33.77	12.39	21.38
MW-14	34.52	12.92	21.60
MW-15	35.75	14.23	21.52
MW-16	27.94	10.17	17.77
MW-17	27.16	13.75	13.41
MW-18	27.16	14.35	12.81
MW-19	21.90	12.61	9.29
MW-20	24.32	11.27	13.05

LEGEND:

- MONITORING WELL LOCATION AND NUMBER
- SOIL GAS SAMPLE LOCATION AND NUMBER
- TEST PIT LOCATION AND NUMBER
- SOIL SAMPLE LOCATION
- DRAIN SAMPLE LOCATION

Subslab Vapor Sample Results

SHEET TITLE:	SAMPLING LOCATIONS		
DRAWN BY:	BG	CHECKED BY:	MS

Alpine Inc. ENVIRONMENTAL SERVICES

DATE: September 2021

Barnet Mills
20 Forbes Avenue
Rensselaer, New York

DESCRIPTION:	DATE:
DRAFT	September 10, 2021

PROJECT NO: 21-26694-E

SHEET NO:

Figure 6

Creator: INITIALS Reviewer: INITIALS

Path: B:\ALB\PROJECTS\BBL Const. Services LLC\2220630 - Barnet Mill - Rensselaer\06_Drawings\Environmental\Figure 7_AOC and Proposed Sample Location Map.mxd

Legend

- Site Boundary
- Monitoring Well Locations, Alpine (2021)
- Soil Gas Locations, Alpine (2021)
- Test Pit Locations, Alpine (2021)
- Soil Boring Locations, LaBella (2022)
- Indicates center line of road

Figure 7a shows planned sampling locations in the area outlined below

Figure 7b shows planned sampling locations in the area outlined below

Figure 7c shows planned sampling locations in the area outlined below

Figure 7d shows planned sampling locations in the area outlined below

MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-17, MW-18, MW-19, MW-20

SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7, SB-8, SB-9, SB-10, SB-11

SS-01, SS-02, SS-03, SS-04, SS-05, SS-06, SS-07, SS-08, SS-09

TP-1, TP-2, TP-3, TP-4, TP-5, TP-6, TP-7, TP-8, TP-9, TP-10, TP-11

Building 1, Building 4, Building 5, Building 6, Building 7, Building 8, Building 9, Building 10, Building 11

Forbes Ave, Broadway Ave, Broadway, Bellview Ter, Washington Ave, Central Ave, 1st St, 2nd St, 4th St, Patten Ave

0 90 180 Feet

LaBella
Powered by partnership

BBL Barnet, LLC

Former Barnet Mills
BCP No. C442065

LaBella Project No: 2220630
Date: June 2023

Overall Site Historical Sampling Locations

FIGURE 7

Creator: INITIALS Reviewer: INITIALS

Path: B:\ALB\PROJECTS\BBL Const. Services LLC\2220630 - Barnet Mill - Rensselaer\06_Drawings\Environmental\Figure 7a_Proposed Sample Location Map_West.mxd

LaBella
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BBL Barnet, LLC

Former Barnet Mills
BCP No. C442065

N

0 25 50 Feet

- Proposed Soil Boring Location
- Proposed Soil Boring and Groundwater Monitoring Well Location
- MW-10 Proposed Sampling of Existing Groundwater Monitoring Well

LaBella Project No: 2220630
Date: December 2023

Proposed Sample Location Map - Southern Leg with AOC-7a

FIGURE 7a

Creator: INITIALS Reviewer: INITIALS

Path: B:\ALB\PROJECTS\BBL Const. Services LLC\2220630 - Barnet Mill - Rensselaer\06_Drawings\Environmental\Figure 7b_Proposed Sample Location Map_central West.mxd

LaBella
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BBL Barnet, LLC

Former Barnet Mills
BCP No. C442065

N

0 25 50 Feet

- Proposed Test Pit Location
- Proposed Soil Boring Location
- Proposed Soil Boring and Groundwater Monitoring Well Location
- MW-10 Proposed Sampling of Existing Groundwater Monitoring Well

LaBella Project No: 2220630
Date: December 2023

Proposed Sample Location Map – Buildings 1, 4 and 5 with AOC-1, AOC-3, AOC-8, and part of AOC-7b

FIGURE 7b

Creator: INITIALS Reviewer: INITIALS

Path: B:\ALB\PROJECTS\BBL Const. Services LLC\2220630 - Barnet Mill - Rensselaer\06_Drawings\Environmental\Figure 7c_Proposed Sample Location Map_central east.mxd

LaBella
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BBL Barnet, LLC

Former Barnet Mills
BCP No. C442065

N

0 30 60 Feet

- Proposed Soil Boring Location
- Proposed Soil Boring and Groundwater Monitoring Well Location
- MW-10 Proposed Sampling of Existing Groundwater Monitoring Well

LaBella Project No: 2220630
Date: December 2023

Proposed Sample Location Map - Buildings 5 through 11 with AOC-2, AOC-5, AOC-6, AOC-9 and part of AOC-7b

FIGURE 7c

Creator: INITIALS Reviewer: INITIALS

Path: B:\ALB\PROJECTS\BBL Const. Services LLC\2220630 - Barnet Mill - Rensselaer\06_Drawings\Environmental\Figure 7d_Proposed Sample Location Map_East.mxd

LaBella
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BBL Barnet, LLC

Former Barnet Mills
BCP No. C442065

N

0 25 50 Feet

- Proposed Soil Boring Location
- Proposed Soil Boring and Groundwater Monitoring Well Location
- Proposed Test Pit Location
- MW-10 Proposed Sampling of Existing Groundwater Monitoring Well

LaBella Project No: 2220630
Date: December 2023

Proposed Sample Location Map - Northern Site Area with AOC-4

FIGURE 7d

APPENDIX A

PRIOR PHASE II BORING LOGS WITH WELL CONSTRUCTION

Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-26694-E**	Log of Boring B-1 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **30 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 24 ft AMSL**
Groundwater Level and Date Measured **est. 15'**	Sampling Method(s)	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **South Bldng #1**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand and gravel		
5				Fine sand, silt and fine gravel - dry		
10				Same, moist - dark staining and petroleum odor in soil		Dark staining and oily with petroleum odor
				Est GW Depth ▼		
15				Fine sand and gravel, coarse sand, black stained and petroleum odor, moist		Black staining an oily with petroleum odor
20				Same, saturated, black staining and petroleum odor		Black oily staining and oily residue
25				Medium-coarse sand and med gravel, saturated and black oily contamination		Saturated with black oily deposits
						Set Monitoring Well @ 22-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
30				EOB		

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-2 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **30 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 23 ft AMSL**
Groundwater Level and Date Measured **est. 15'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **SW of Building #1**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand and gravel		
5				Fine sand, silt and fine gravel - dry		
10				Same, moist - dark staining and petroleum odor in soil starting @ 14-15 ft		Dark staining and oily with petroleum odor
15				Est GW Depth ▼ Fine sand and gravel, coarse sand, black stained and petroleum odor, moist		Black staining an oily with petroleum odor
20				Fine brown sand, fine-med gravel, saturated, black staining and oily petroleum in soil		Black oily staining and oily residue
25				Coarse sand, silt and med gravel, saturated		Saturated with black oily deposits
						Set Monitoring Well @ 22-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
30				EOB		

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **321-266-94E**	Log of Boring B-3 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 21' AMSL**
Groundwater Level and Date Measured **est. 12'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Bldng #2 Area**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, gravel and brick fill with fine sand and silt at 3-5		
5				Fine sand, silt and fine gravel - dry		
10				Fine sand, silt and fine gravel - dry		
				Est GW Depth ▼		
15				Fine and medium sand, silt and fine gravel - Saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-4 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 20' AMSL**
Groundwater Level and Date Measured **est. 14'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Building #3 Area**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, gravel and silt		
5				Fine sand & silt then gray clay @ 6-10 ft. - dry		
10				Gray clay to 12-ft, then fine sand, silt and fine gravel - moist		
				Est GW Depth ▼		
15				Fine sand, silt and fine gravel - Saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-5 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 20' AMSL**
Groundwater Level and Date Measured **est. 10'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Building #4**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, silt, brick and gravel - dry		
5				Silt, clay and fine gravel - saturated		
10				Est GW Depth ▼ Same		
				Coarse sand and fine gravel - Saturated		
15				Coarse sand, silt and fine gravel		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-6 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 Ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 20" AMSL**
Groundwater Level and Date Measured **est. 10'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Building #5**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, silt and gravel - dry		
5				Silt, clay and fine gravel, wood @ 5-6 ft - saturated		
10				Est GW Depth ▼ Same, some black staining in soil, saturated		
15				Same, some black staining in soil, saturated		
				Fine sand, silt and medium gravel - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-7 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 20' AMSL**
Groundwater Level and Date Measured **est. 10'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Building #6**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		PID elevated at 4-5 ft
				Sand, silt and gravel - moist, black oily stained soil @ 4-5 ft		
5				Coarse sand and gravel- moist, black oily staining		
				Gray Clay - moist		
10				Est GW Depth ▼ Gray clay - moist		
				Sand, silting coarse gravel - saturated		
15				Fine brown silt, sand and coarse gravel - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-8 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 20' AMSL**
Groundwater Level and Date Measured **est. 3'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **SW of Building #7**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, silt and gravel - moist, black oily stained soil @ 4-5 ft		
				Est GW Depth ▼		
5				same, black oily staining		PID 0.0 PPM at 7-10 ft
				Fine sand silt and coarse gravel - saturated		
10				same at 10-13 ft, saturated		
				Dense silt and fine sand - dry		
15				Fine brown silt, sand and fine gravel - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface Later adjusted screen to 2-Foot Depth and finished
25						
30						

/Users/Earth/Documents/Alpine-Projects/2021/20-Forbes-Ave-Rensselaer/Ph2-ESA/Borings/20-Forbes-Ave080921.bg4l(master field).tpl

Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-9 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 20' AMSL**
Groundwater Level and Date Measured **est. 2'**	Sampling Method(s) **Dual Core**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Bldng#7**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand and fine gravel - dry		
				Est GW Depth ▼		
				Black stained fine sand and fine gravel - moist		
5				same, black oily staining		
				Gray silt and clay and fine gravel - moist		
10				Fine sand, silt and coarse gravel - moist		
15				Fine brown sand, silt and fine gravel - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface Later adjusted screen to 2-Foot Depth and finished
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-10 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation
Groundwater Level and Date Measured **est. 3'**	Sampling Method(s) **Dual Tube**	Hammer Data
Borehole Backfill **Well Materials**	Location **West of Building #9**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand, silt and fine gravel - dry		
				Est GW Depth ▼		
5				Fine sand, silt and fine gravel - saturated		
10				Fine sand, silt and coarse gravel - saturated		
15				Dense silt, sand and coarse gravel - saturated		
20				EOB		Set Monitoring Well @ 12-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-11 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation
Groundwater Level and Date Measured **est. 15'**	Sampling Method(s) **Dual Tube**	Hammer Data
Borehole Backfill **Well Materials**	Location **North end of SP**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand, silt and fine gravel - dry		
5				Fine sand and silt and med gravel - dry		
10				Same - dry		Odorous soil
15				Est GW Depth ▼ Fine brown sand, some silt and fine gravel - saturated		
20				Fine brown sand and fine gravel - saturated		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-12 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation
Groundwater Level and Date Measured **est. 16'**	Sampling Method(s) **Dual Tube**	Hammer Data
Borehole Backfill **Well Materials**	Location **East of Building #9**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand, and fine gravel - dry		
5				Fine sand and silt and fine gravel - dry		
10				Same - dry		
15				Fine brown sand, some silt and med gravel - saturated Est GW Depth ▼		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
20				Fine brown sand and fine gravel - saturated		
25				EOB		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-13 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **25 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 34' AMSL**
Groundwater Level and Date Measured **est. 15'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **North of Building #10**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand, and coarse gravel - dry		
5				Same - dry		
10				Fine brown sand and silt, coarse gravel - damp		
15				Est GW Depth ▼ Fine brown sand, some silt and coarse gravel - saturated		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
20				Fine brown sand and fine gravel - saturated		
25				EOB		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-26694-E**	Log of Boring B-14 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **25 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 35' AMSL**
Groundwater Level and Date Measured **est. 15'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **East of Building #8**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface Fine brown sand, and med-coarse gravel - dry		
5				Same - dry Black coal ash staining at 8-10 ft.		
10				No Recovery due to pushed cobble		
15				Est GW Depth ▼ Fine brown sand, some silt and coarse gravel - saturated		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
20				Same - saturated		
25				EOB		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-15 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **25 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 36' AMSL**
Groundwater Level and Date Measured **est. 15'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **East of Building #6 next to road**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface Fine brown sand, and fine gravel - dry		
5				Same - moist		
10				Same		
15				Est GW Depth ▼ No Recovery		
20				No Recovery - saturated sampler		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-16 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **25 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 28' AMSL**
Groundwater Level and Date Measured **est. 12'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **East of Building #5 ctr**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand - dry		
5				Same then coal ash fill at 8 9 feet then coarse gravel and concrete fill - dry		
10				Fine brown sand and silt - saturate at 14 Ft.		
				Est GW Depth ▼		
15				Dense gray silt, some fine gravel - saturated at bottom of sample		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
20				Fine sand, silt and coarse gravel - saturated		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-17 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 27' AMSL**
Groundwater Level and Date Measured **est. 10'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Sub Station in Road**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface Fine brown sand and fine gravel - dry		
5				Same, some silt - dry		
10				Est GW Depth ▼ Same, saturated at 14-Ft.		
15				Fine sand and silt and fine gravel - saturated		
20				EOB		Set Monitoring Well @ 18-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **91-266-94E**	Log of Boring B-18 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 27' AMSL**
Groundwater Level and Date Measured **est. 10'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **South of Sub Station**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand and fine gravel - dry		
5				Fine brown sand, silt and coarse gravel - dry		
				Est GW Depth ▼		
10				Same - dry		
15				Same with some clay - saturated		
20				EOB		Set Monitoring Well @ 18-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **91-266-94E**	Log of Boring B-19 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 22 ft AMSL**
Groundwater Level and Date Measured **est. 12'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **South side of Building #4**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Brick, sand, stone and gravel - dry		
5				Fine brown sand, silt and fine gravel - dry		
10				Same - moist		
				Est GW Depth ▼		
15				Fine sand and fine gravel, dark gray stained with slight odor - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **90-266-94E**	Log of Boring B-20 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **25 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 24' AMSL**
Groundwater Level and Date Measured **est. 12'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **NE Corner of Building #1**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand and coarse gravel - dry		
5				Fine sand, silt and coarse gravel - dry		
10				Same - dry, saturated at 14.5 Ft.		
				Est GW Depth ▼		
15				Same with seam of black oily gravel at 16-19 Ft. - saturated		Black oily stained gravel at 6-18 ft.
20				Medium Brown sand - saturated		Set Monitoring Well @ 22-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		
30						

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Project: **20 Forbes Avenue**
Project Location: **Rensselaer, NY**
Project Number: **21-26694-E**

Key to Log of Boring
Sheet 1 of 1

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
1	2	3	4	5	6	7

COLUMN DESCRIPTIONS

1 Depth (feet): Depth in feet below the ground surface.
2 Sample Type: Type of soil sample collected at the depth interval shown.
3 Sample Number: Sample identification number.
4 Sampling Resistance, blows/ft: Number of blows to advance driven sampler one foot (or distance shown) beyond seating interval using the hammer identified on the boring log.
5 MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.
6 Water Content, %: Water content of the soil sample, expressed as percentage of dry weight of sample.
7 REMARKS AND OTHER TESTS: Comments and observations regarding drilling or sampling made by driller or field personnel.

FIELD AND LABORATORY TEST ABBREVIATIONS

CHEM: Chemical tests to assess corrosivity
COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent
PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)

MATERIAL GRAPHIC SYMBOLS

TYPICAL SAMPLER GRAPHIC SYMBOLS

- Auger sampler
- Bulk Sample
- 3-inch-OD California w/ brass rings
- CME Sampler
- Grab Sample
- 2.5-inch-OD Modified California w/ brass liners
- Pitcher Sample
- 2-inch-OD unlined split spoon (SPT)
- Shelby Tube (Thin-walled, fixed head)

OTHER GRAPHIC SYMBOLS

- Water level (at time of drilling, ATD)
- Water level (after waiting)
- Minor change in material properties within a stratum
- Inferred/gradational contact between strata
- Queried contact between strata

GENERAL NOTES

1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

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Figure B-1

APPENDIX B

HEALTH AND SAFETY PLAN

Site Health and Safety Plan

Location:
Former Barnet Mills Site (BCP No.: C442065)
20 Forbest Avenue
Rensselaer, New York 12144

Prepared For:
BBL Barnett, LLC
302 Washington Avenue Extension
Albany, NY 12203

LaBella Project No. 2220630

May 2023

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1.0 STATEMENT OF COMMITMENT

This Health and Safety Plan (HASP) has been prepared to reduce worker exposure to chemical, biological, and physical hazards during implementation of a Remedial Investigation Work Plan being performed at the Brownfield Cleanup Program (BCP) Site, Former Barnet Mill Site, located at 20 Forbes Avenue, Rensselaer, New York (BCP No.: C442065). LaBella Associates, DPC (LaBella) policy is to minimize the possibility of work-related exposure through awareness and qualified supervision, health and safety training, medical monitoring, use of appropriate personal protective equipment (PPE), and the following activity-specific safety protocols contained in this HASP.

This HASP, which applies to LaBella personnel present at the site actually or potentially exposed to health or safety hazards, describes emergency response procedures for actual and potential physical, biological, and chemical hazards. This HASP is also intended to inform and guide LaBella personnel entering the work area or exclusion zone. LaBella personnel are to acknowledge that they understand the potential hazards and the contents of this health and safety plan.

2.0 INTRODUCTION

2.1 Purpose

This HASP addresses the minimum health and safety practices that will be employed by LaBella site workers participating in implementation of the Remedial Investigation Work Plan (RIWP) activities taking place at the Former Barnet Mill Site, located at 20 Forbes Avenue, Rensselaer, New York (BCP No.: C442065).

The HASP takes into account the specific hazards inherent to the site and presents the minimum requirements which are to be met by LaBella in order to avoid and, if necessary, protect against health and/or safety hazards. LaBella sub-contractors will have the option of adopting this HASP or developing their own site-specific document. If a subcontractor chooses to prepare their own HASP, it must meet the minimum requirements as detailed in this HASP and must be made available to LaBella for its approval.

Activities performed under this HASP will comply with applicable parts of the Occupational Safety and Health Administration (OSHA) Regulations, primarily 29 Code of Federal Regulations (CFR) Parts 1910 and 1926 and all other applicable federal, state, and local regulations. Modifications to the HASP may be made with the approval of the LaBella Director of Health & Safety (DHS) and/or Project Manager (PM). A copy of this HASP will be maintained on-site during all work activities.

Refusal to comply with the HASP or violation of any health and safety procedures

by field personnel may result in their immediate removal from the site following consultation with the DHS and the Field Team Leader (FTL).

2.2 Scope

This HASP addresses the potential hazards related to implementation of the remedial investigation work plan. The primary investigation activities may include the following:

- Site Mobilization/Demobilization;
- Soil Excavation;
- Drilling, and;
- Soil, Groundwater, and Soil Vapor Sampling

The potential hazards associated with this scope are listed below and are discussed in more detail in this HASP after the project organization and responsibilities section.

- Chemical hazards;
- Biological hazards; and
- Physical hazards.

2.3 Application

The HASP applies solely to LaBella Associates personnel involved in the above tasks who wish to gain access to active work areas.

3.0 PROJECT ORGANIZATION AND RESPONSIBILITIES

This section specifies the project organization and responsibilities.

3.1 Project Manager

- Participates in major incident investigations;
- Ensures that the HASP has all of the required approvals before site work is conducted; and
- Has the overall project responsibility for project health and safety.

3.2 Field Team Leader / Site Health and Safety Officer (SHSO)

- Ensures that the HASP is implemented;
- Ensures that fieldwork is scheduled with adequate equipment to complete the job safely;
- Enforces site health and safety rules;
- Ensures that proper PPE is utilized;
- Ensures that the procedure modifications are implemented;

- Investigates incidents;
- Conducts the site safety briefing;
- Reports to NYSDEC to provide summaries of field operations and progress; and
- Acts as the emergency coordinator.

3.3 Director of Health & Safety

- Provides for the development of the HASP;
- Serves as the primary contact to review health and safety matters that may arise;
- Approves individuals who are assigned SHSO responsibilities;
- Coordinates revisions of this HASP with field personnel; and
- Assists in the investigation of major accidents.

3.4 Site Personnel

- Report any unsafe or potentially hazardous conditions to the FTL/SHSO;
- Maintain knowledge of the information, instructions and emergency response actions contained in this HASP; and
- Comply with rules, regulations, and procedures as set forth in this HASP and any revisions.

Title/Project Responsibility	Name	Email	Mobile/Other Phone
Project Personnel			
Program Director	Arlette St. Romain	astromain@labellapc.com	518-824-1928
Project Manager, Field Operations Leader and on-site Health & Safety Representative	Branson Fields	bfields@labellapc.com	518-266-7355
Health & Safety Program Manager	Tim Ruddy	truddy@labellapc.com	845-486-1557

4.0 SITE HISTORY AND PROJECT DESCRIPTION

4.1 Project Background

This HASP has been prepared by LaBella, on behalf of BBL Barnett, LLC. Based on previous investigations at the Site, the primary chemicals of potential concern (COPC) likely to be encountered at the Site are petroleum (BTEX) and chlorinated volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) including Polycyclic Aromatic Hydrocarbons (PAHs),

Polychlorinated biphenyls (PCBs), and metals above standards in soil; VOCs, SVOCs, and metals above standards and/or guidance levels in groundwater; and VOCs above guidance values in soil vapor at the site.

4.2 Site Description

The Site is comprised of one (1) 6.33-acre parcel (Tax Parcel No. 133.-3-7) that includes nine vacant buildings, former substation foundation, and unmaintained parking areas, and a roadway. The Site is situated in an urban area with mixed commercial, residential, and utility land uses and is approximately 100 to 200 feet southeast of the Hudson River and 1,630 feet southwest of Interstate I-90. Residential properties are located south/southeast of the Site, a rail line and Hilton Park and Boat Ramp are located to the west, and vacant wooded land is located to the north.

4.3 Site History

From 1873 until the 1960s, the Site uses included brewery operations, and a wool shoddy mill (which reclaimed wool scraps from textile mills and restored them into batched wool fabric for resale). In the 1960s, the Site buildings began being leased to numerous tenants for a wide spectrum of commercial, industrial, and fine arts uses that included an architectural firm, a photography studio, automobile repair, industrial manufacturing of wire products, studio space for musicians, storage space, and numerous other commercial uses. Landfilling occurred in the northeastern Site area. The Site operations ceased and is currently vacant with abandoned buildings that are not in use. Initial limited Site remedial efforts included the removal of the two Site USTs in August 2021. An area of petroleum-impacted soil was discovered and excavated following removal of a 20,000-gallon fuel oil UST southwest of Building 1 (open Spill #2104385) but impacted soil and free product remains.

4.4 Site Features

The topography of the Site slopes to the west towards the Hudson River. The central nominal site elevation is approximately 31 feet above mean sea level (amsl) with the grade varying between the eastern side at 70 amsl and 20 – 25 amsl along the western boundary. The Site is developed with vacant industrial use buildings covering a large portion of the parcel in addition to former parking areas and roadway.

4.5 Current and Future Site Use

The Site is currently unoccupied and contains nine vacant buildings previously used for industrial and commercial purposes including but not limited to textile

mill operations. The proposed project would rehabilitate existing abandoned textile mill buildings into 72 apartments for non-transient residential occupation and commercial space. The apartments will consist of studio, one-, and two-bedroom apartments. The commercial areas will potentially be restaurant, office and self-storage uses. As part of the redevelopment, one of the current structures (Building 8) is proposed to be demolished. The buildings vary in size and number of stories. The project site is eligible to be listed in the National Register of Historic Places.

5.0 POTENTIAL HAZARDS OF THE SITE

This section presents an assessment of the chemical, biological, and physical hazards that may be encountered during the tasks specified under Section 2.2. Additional information can be found in **Appendix A** - Safety Data Sheets, or in **Appendix B** - Task Hazard Analysis.

5.1 Chemical Hazards

A review of historical information indicates that the soil, soil vapor, and / or groundwater at the Site may include, but is not limited to, the following regulated constituents:

- VOCs
- SVOCs
- PCBs
- Metals

Specific information on each chemical may be found on the Safety Data Sheets included in **Appendix A.**

5.1.1 Biological Hazards

Work will be performed in an urban environment; however, during the project there is potential for workers to come into contact with biological hazards such as animals, insects, and plants. The Task Hazard Analysis found in **Appendix B** includes specific hazards and control measures for each task, if applicable.

5.1.2 Animals

The Site is located in a predominantly urban area. It is possible that dogs, cats, rats, and mice may be present. Workers shall use discretion and avoid all contact with animals.

5.1.3 Insects

Insects, such as mosquitoes, bees, and wasps may be present during certain times of the year. Workers will be encouraged to wear repellents

and PPE, if deemed necessary, when working in areas where insects are expected to be present.

5.1.4 *Tick-Borne Disease*

Ticks can carry a number of diseases. In the United States, these diseases include:

- Lyme Disease
- Ehrlichiosis
- Rocky Mountain Spotted Fever (throughout the United States but most prevalent in the east)

Lyme Disease - The disease commonly occurs in New York State in the spring and summer and is transmitted during extended attachment (minimum 24 hours) of an infected tick. Symptoms of Lyme disease usually emerge approximately two weeks after exposure and may include a rash or a peculiar red spot, like a bull's eye, which expands outward in a circular manner. The victim may have recurring headaches, weakness, a stiff neck, swelling and pain in the joints, and eventually, arthritis. Ehrlichiosis - The disease also commonly occurs in New York State in the summer and is similarly transmitted by the bite of infected ticks. Symptoms of ehrlichiosis include more immediate muscle aches, fever, joint aches, and flu-like symptoms, but there is typically no skin rash.

Rocky Mountain Spotted Fever (RMSF) - This disease is also transmitted via the extended bite of an infected tick. The tick must be attached 4 to 6 hours before the disease-causing organism (Rickettsia rickettsii) becomes reactivated and can infect humans. The primary symptom of RMSF is the sudden appearance of a moderate-to-high fever. The fever may persist for 2 to 3 weeks. The victim may also have a headache, deep muscle pain, and chills. A rash appears on the hands and feet on about the third day and eventually spreads to all parts of the body. For this reason, RMSF may be confused with measles or meningitis. The disease may cause death, if untreated.

The best way to prevent tick borne diseases is to avoid tick bites. Preventative measures to reduce the potential for tick bites include, but are not limited to, the following:

- Where possible, land scheduled for eventual clearing should be cleared of brush and overgrown vegetation in advance of environmental investigation.
- Wearing long pants and long sleeved shirts
- Tucking shirts into pants. Tucking pants into socks or boots, or

using tape to close the opening where they meet.

- Using an EPA approved insect repellant or arachnicide (pesticide) which is effective for ticks, such as DEET (N,N-diethyl-m-toluamide) or pyrethrin. Be sure to heed all precautionary information, and be aware that some people are sensitive to these chemicals.
- Wearing light colored clothing so that a tick can be seen more easily.
- Changing clothes when you return from an area where ticks may be located.
- Showering to wash off any loose ticks, followed by self-examination for ticks.
- Throughout the work day, perform Tick Checks and Removal Procedures as follows:
- Check clothing for ticks. If you find a tick, do a more thorough tick check.
- Inspect parts that bend (back of knee, between fingers and toes, underarms), pressure points where clothing presses against skin (underwear elastic, belts, neck); other common areas (belly button, around or in ear, hairline, and top of head).
- Once indoors, do a final tick check and change clothes.
- If you are in a tick infested area or an area known to have disease carrying ticks, perform checks on a more regular basis
- Remove unattached ticks promptly.
- Remove attached ticks are removed using fine pointed tweezers:
  - The mouth parts of the tick are grasped with the tweezers as close to the skin as possible
  - Apply firm steady pressure upward until the tick releases - do not jerk, twist, squash or squeeze the tick
  - Clean the wound and the tweezers with an antiseptic. Do not use petroleum jelly, nail polish remover, or prick or burn the tick. These actions can cause infected secretions to enter the wound.

5.1.5 Plants

Poisonous plants, such as poison ivy and sumac, maybe present on the site and present a hazard for site personnel. Signs and symptoms of exposure to such poisonous plants include itching, burning, redness, rash, blistering and swelling.

Preventative measures will be implemented to avoid contact with

poisonous plants on the site property. These measures will include, but are not limited to, the following activities:

- Wear clothing that covers arms and hands if possible
- Frequently wash exposed skin
- Avoid skin contact with objects or protective clothing that have touched the plants
- Treat every surface that may have touched the plant as contaminated, and practice contamination avoidance
- If skin contact is made, the area should be washed immediately with soap and water and observed for signs of reddening.

5.2 Physical Hazards

Most safety hazards are discussed in the THAs in **Appendix B** for the different phases of the project. In addition to the THAs, general work rules and other safety procedures are described in Section 10 of this HASP.

5.2.1 Temperature Extremes

Heat Stress

Heat stress is a significant potential hazard, which is greatly exacerbated by the use of PPE in hot environments. The potential hazards of working in hot environments include dehydration, cramps, heat rash, heat exhaustion, and heat stroke.

Cold Stress

At certain times of the year, workers may be exposed to the hazards of working in cold environments. Potential hazards in cold environments include frostbite, trench foot or immersion foot, and hypothermia, as well as slippery surfaces, brittle equipment, and poor judgment.

5.2.2 Steam, Heat, and Splashing

Exposure to steam/heat/splashing hazards can occur during steam cleaning activities. Splashing can also occur during well development and sampling activities. Exposure to steam/heat/splashing can result in scalding/burns, eye injury, and puncture wounds.

5.2.3 Noise

Noise is a potential hazard associated with the operation of heavy equipment, drill rigs, pumps, and engines. Workers will wear hearing protection while in the work zone when these types of machinery are operating.

5.2.4 *Fire and Explosion*

When conducting drilling activities, the opportunity of encountering fire and explosion hazards may exist from encountering underground utilities, from the use of diesel engine equipment, and other potential ignition sources. During dry periods there is an increased chance of brush fires starting at the job site. If these conditions occur, no smoking will be permitted at the site and all operations involving potential ignition sources will be monitored continuously (fire watch).

5.2.5 *Manual Lifting/Material Handling*

Manual lifting of heavy objects may be required. Failure to follow proper lifting techniques can result in back injuries and strains. Back injuries are a serious concern, as they are the most common workplace injury, often resulting in lost or restricted work time, and long treatment and recovery periods.

5.2.6 *Slips, Trips, and Falls*

Working in and around the site will pose slip, trip, and fall hazards due to slippery surfaces that may be oil-covered; or from rough terrain, surfaces that are steep inclines; surfaced debris; or surfaces that are wet from rain or ice. Falls may result in twisted ankles, broken bones, head trauma, or back injuries.

5.2.7 *Heavy Equipment Operation*

A drill rig will be used to install borings where required. Working with or near heavy equipment poses many potential hazards, including electrocution, fire/explosion, being struck-by or -against, or pinched/caught/ crushed by, and can result in serious physical harm.

5.2.8 *Electrocution & Electrical Hazards*

Encountering underground utilities may pose electrical hazards to workers. Additionally, overhead electrical lines can be a concern during drilling operations. Potential adverse effects of electrical hazards include burns and electrocution, which could result in death. Drill rigs will be used on the site to install soil borings and excavators will be used to dig soil. The presence of overhead utilities and underground obstacles poses a hazard if equipment contacts them. As indicated in Table 1, electrical hazards are considered to be a concern for the installation of borings on the site.

6.0 TASK HAZARD ANALYSES

The Task Hazard Analysis is a systematic way of identifying the potential health and safety hazards associated with major phases of work on the project and the methods to avoid, control, and mitigate those hazards. The THAs will be used to train work crews in proper safety procedures during phase preparatory meetings.

THAs will be developed by LaBella for the following phases of work:

- Site mobilization/demobilization;
- Concrete removal and replacement;
- Sealing Cracks;
- Drilling and excavation oversight,
- Soil and groundwater sampling, and;
- Sub-slab and soil-vapor sampling.

Task Hazard Analysis are included in **Appendix B** of this HASP.

7.0 PERSONAL PROTECTIVE EQUIPMENT

The PPE specified in **Table 7-1** represents the hazard analysis and PPE selection required by 29 CFR 1910.132. Specific information on known potential hazards can be found under Section 4.0 and **Appendix B** – Task Hazard Analysis. For the purposes of PPE selection, the DHS and FTL/SHSO are considered competent persons. The signatures on the approval page of the HASP constitute certification of the hazard assessment. For activities not covered by **Table 7-1**, the FTL/SHSO will conduct the hazard assessment, select the PPE, and document changes in the appropriate field logs. PPE selection will be made in consultation with the DHS.

Modifications for initial PPE selection may also be made by the FTL/SHSO in consultation with the DHS and changes documented accordingly. If major modifications occur, the DHS will notify the PM.

7.1 PPE Abbreviations

HEAD PROTECTION

HH = hard hat

HEARING PROTECTION

EP = earplugs EM = ear muffs

HAND PROTECTION

Cot = cotton But = Butyl

LWG = Leather Work Gloves Neo = Neoprene

Nit = Nitrile Sur = Surgical

BODY PROTECTION

WC = work clothes

Cot Cov = Cotton Coveralls Poly = Polyethylene coated Tyvek® coveralls

Saran = Saranex-coated coveralls

Tyvek® = Uncoated Tyvek® coveralls

EYE/FACE PROTECTION

APR = Full Face Air-Purifying Respirator

MFS = Mesh Face shield PFS =Plastic Face shield

SG = ANSI-approved safety glasses with side shields

FOOT PROTECTION

Neo = Neoprene OB = Overboot

Poly = polyethylene-coated boot Rub = rubber slush boots

STB = Leather work boots with safety toe

RESPIRATORY PROTECTION

APR = Full-face air-purifying respirator with organic vapor cartridges

ASR = Full face air-supplied respirator with escape bottle SCBA = Self-contained breathing apparatus.

7.2 Hazard Assessment for Selection of Personal Protective Equipment

The initial selection of personal protective equipment for each task was done by performing a hazard assessment taking into consideration the following:

- Potential chemical and physical hazards present;
- Work operations to be performed;
- Potential routes of exposure;
- Concentrations of contaminants present; and
- Characteristics, capabilities, and limitations of PPE; and any hazard that the PPE presents or magnifies.

A review of the analytical data from previous sampling events indicates that VOCs, SVOCs, PCBs, and metals identified in Section 5.1 are the primary COPC.

The exposure routes for these chemicals are inhalation, skin absorption, skin/eye contact, and ingestion. Chemical protective gloves will be required for

all activities that involve sample-handling and the likelihood of skin contact. The proper use of PPE and strict adherence to decontamination and personal hygiene procedures will effectively minimize skin contact and ingestion as potential routes of exposure.

Table 7-1

Personal Protective Equipment Selection

TASK	HEAD	EYE/FACE	FEET	HANDS	BODY	HEARING
Mobilization/ Demobilization	HH	SG	STB	WG	WC	None
Drilling Activities	HH	SG	STB	WG	WC	EM or EP
Environmental sampling	HH	SG	STB	WG, Nit & Sur as needed	WC, Tyvek® as needed	None
Decontamination	HH	SG	STB	Nit + Sur	WC, Tyvek® as needed	None

7.3 Respirator Cartridge Change-Out Schedule

A respirator cartridge change-out schedule has been developed in order to comply with 29 CFR 1910.134. If the use of respirators is necessary, the respirator cartridge change-out schedule for this project will be as follows:

- Cartridges shall be removed and disposed of at the end of each shift, when cartridges become wet, or wearer experiences a breakthrough, whichever occurs first; and
- If the humidity exceeds 85%, then cartridges shall be removed and disposed of after 4 hours of use.

Respirators shall not be stored at the end of the shift with contaminated cartridges left on them. Cartridges shall not be worn on the second day, no matter how short of a time period they were used the day before.

The schedule was developed based on the following scientific information and assumptions:

- Analytical data that is available regarding site contaminants;
- Using the criteria provided by the THA;
- All of the chemicals have boiling points greater than 70^{o}C;
- Total airborne concentration of contaminants is anticipated to be less than 200 ppm;
- The humidity is expected to be less than 85%; and
- Desorption of the contaminants (including those with poor warning

properties) after partial use of the chemical cartridge can occur after a short period (hours) without use (e.g., overnight) and result in a non-use exposure.

The following is a partial list of factors that may affect the usable cartridge service life and/or the degree of respiratory protection attainable under actual workplace conditions. These factors have been considered when developing the cartridge change-out schedule.

- Type of contaminant(s);
- Contaminant concentration;
- Relative humidity;
- Breathing rate;
- Temperature;
- Changes in contaminant concentration, humidity, breathing rate, and temperature;
- Mixtures of contaminants;
- Accuracy in the determination of the conditions;
- The contaminant concentration in the workplace can vary greatly. Consideration must be given to the quality of the estimate of the workplace concentration;
- Storage conditions between multiple uses of the same respirator cartridges. It is recommended that the chemical cartridges be replaced after each work shift. Contaminants adsorbed on a cartridge can migrate through the carbon bed without airflow;
- Age of the cartridge;
- Condition of the cartridge and respirator;
- Respirator and cartridge selection respirator fit;
- Respirator assembly, operation, and maintenance;
- User training, experience, and medical fitness;
- Warning properties of the contaminant; and
- The quality of the warning properties should be considered when establishing the chemical cartridge change schedule. Good warning properties may provide a secondary or back-up indication for cartridge change-out.

8.0 AIR MONITORING

Air monitoring for volatile organic compounds and particulates will be periodically performed in the work area breathing zone during outdoor site activities. Monitoring will be performed with a hand-held PID and particulate meter. Results will be compared to

exposure values listed in Table 2 and appropriate responsive action taken, as needed, including moving to upwind locations, reducing scale or pace of work advance, or adjustments of PPE.

Periodic air monitoring will also be conducted as described in the Exposure Monitoring Plan in **Appendix C**, to document ambient concentrations of particulates and VOCs at the downwind perimeter of the work zone and at an upwind location.

9.0 ZONES, PROTECTION, AND COMMUNICATION

9.1 Site Control

Site zones are intended to control the potential spread of contamination throughout the site and to assure that only authorized individuals are permitted into potentially hazardous areas. A three-zone approach will be utilized. It shall include an Exclusion Zone (EZ), a Contamination Reduction Zone (CRZ), and a Support Zone (SZ). Specific zones shall be established on the worksite when operations begin.

The zones are based upon current knowledge of proposed site activities. It is possible that the zone configurations may be altered due to work plan revisions. Should this occur, the work zone will be adjusted accordingly and documented through the use of a field-change request form.

The following shall be used for guidance in revising these preliminary zone designations, if necessary.

Support Zone - The SZ is an uncontaminated area that will be the field support area for most operations. The SZ provides for field team communications and staging for emergency response. Appropriate safety and rescue equipment will be located in this zone. Potentially contaminated personnel/materials are not allowed in this zone. The only exception will be appropriately packaged/decontaminated and labeled samples.

Contamination Reduction Zone - The CRZ is established between the EZ and the SZ. The CRZ contains the contamination reduction corridor and provides for an area for decontamination of personnel and portable hand-held equipment, tools, and heavy equipment. A personnel decontamination area will be prepared at each exclusion zone. The CRZ will be used for EZ entry and egress in addition to access for heavy equipment and emergency support services.

Exclusion Zone - All activities, which may involve exposure to site contaminants, hazardous materials, and/or conditions, should be considered an EZ. The FTL/SHSO may establish more than one EZ where different levels of protection may be employed or different hazards exist. The size of the EZ shall be

determined by the SHSO allowing adequate space for the activity to be completed, field members, and emergency equipment.

9.2 Contamination Control

Decontamination areas will be established for the following activities.

- Drilling/Sampling Activities
- Excavation

All personnel and portable equipment used in the EZ shall be subject to a thorough decontamination process, as deemed necessary by the FTL/SHSO. Sampling equipment shall be decontaminated. As necessary, all boots and gloves will be decontaminated using soap and water solution and scrub brushes or simple removal and disposal. All used respiratory protective equipment will be decontaminated daily and sanitized with appropriate sanitizer solution.

All drums generated as a result of sampling and decontamination activities will be marked and stored at a designated area at the site until the materials can be property disposed of off-site.

All non-expendable sampling equipment will be decontaminated. This usually entails the use of Alconox, solvent and distilled/deionized water rinses to eliminate contaminants.

9.2.1 Personnel Decontamination Station

All personnel and portable equipment used in the EZ shall be subject to a thorough decontamination process, as deemed necessary by the FTL/SHSO. Sampling equipment shall be decontaminated or properly disposed of. As necessary, all boots and gloves will be decontaminated using soap and water solution and scrub brushes or simple removal and disposal. All used respiratory protective equipment will be decontaminated daily and sanitized with an appropriate sanitizer solution.

All drums generated as a result of sampling and decontamination activities will be marked and stored at a designated area at the site until the materials can be properly disposed of off-site.

All non-expendable sampling equipment will be decontaminated, if necessary. This usually entails the use of Alconox, solvent, and distilled/deionized water rinses to eliminate contaminants.

9.3 Communication

Each team member will have a cell phone for communication with the PM, SHSO, and other team members during field activities.

Hand Signals - Hand signals shall be used by field teams, along with the buddy system. The entire field team shall know them before operations commence and their use covered during site-specific training. Typical hand signals are the following:

SIGNAL	MEANING
Hand gripping throat	Out of air, can't breathe
Grip on a partner's wrist or placement of both hands around a partner's waist.	Leave the area immediately, no debate.
Hands on top of head	Need assistance
Thumbs up	Okay, I'm all right, I understand.
Thumbs down	No, negative

10.0 MEDICAL SURVEILLANCE PROCEDURES

All contractor and subcontractor personnel performing fieldwork where potential exposure to contaminants exists at the site are required to have passed a complete medical surveillance examination in accordance with 29 CFR 1910.120(f).

10.1 Medical Surveillance Requirements

A physician's medical release for work will be confirmed by the DHS before an employee can work in the exclusion zone. The examination will be taken annually at a minimum and upon termination of hazardous waste site work if the last examination was not taken within the previous six months. Additional medical testing may be required by the DHS in consultation with the Corporate Medical Consultant and the FTL/SHSO if an over-exposure or accident occurs, if an employee exhibits symptoms of exposure, or if other site conditions warrant further medical surveillance.

11.0 SAFETY CONSIDERATIONS

11.1 The Buddy System

At a minimum, employees shall work in groups of two in such a manner that they can observe each other and maintain line-of-sight for each employee within the workgroup. The purpose of the buddy system is to provide rapid assistance to employees in the event of an emergency.

11.2 Sample Handling

Personnel responsible for the handling of samples should wear the prescribed level of protection. Samples should be identified as to their hazard and

packaged to prevent spillage or breakage. Sample containers shall be decontaminated in the CRZ or EZ before entering a clean SZ area. Any unusual sample conditions, odors, or real-time readings should be noted. Laboratory personnel should be advised of the sample hazard level and the potential contaminants present. This can be accomplished by a phone call to the lab coordinator and/or including a written statement with the samples reviewing lab safety procedures in handling to assure that the practices are appropriate for the suspected contaminants in the sample.

11.3 Drill Rigs

When conducting drilling activities, the opportunity of encountering fire and explosion hazards exists from underground utilities and gases. The locations of underground utilities will be verified prior to performing any intrusive activities. Additionally, because of the inherently hazardous nature of drilling operations, safety and accident prevention are crucial when drilling operations are performed. Most drilling accidents occur as a direct result of lack of training and supervision, improper handling of equipment, and unsafe work practices. Hazards include assembling and disassembling rigs, rotary and auger drilling, and grouting. The drilling contractor shall perform drilling in accordance with its own Health & Safety Program for Drill Rig Safety.

11.4 Safety During Drilling Operations

- Safety requires the attention and cooperation of every worker and site visitor.
- Do not drive the drill rig from hole to hole with the mast (derrick) in the raised position.
- Before raising the mast (derrick), look up to check for overhead obstructions.
- Maintain a minimum of 15 feet clearance from all overhead electric lines.
- Before raising the mast (derrick), all drill rig personnel (with the exception of the operator) and visitors shall be cleared from the areas immediately to the rear and the sides of the mast. All drill rig personnel and visitors shall be informed that the mast is being raised prior to raising it.
- Before the mast (derrick) of a drill rig is raised and drilling is commenced, the drill rig must first be leveled and stabilized with leveling jacks and/or solid cribbing. Lower the mast (derrick) only when the leveling jacks are down and do not raise the leveling jack pads until the mast (derrick) is lowered completely.
- The operator of a drill rig shall only operate a drill rig from the position of the controls.

- Throwing or dropping tools shall not be permitted. All tools shall be carefully passed by hand between personnel or a hoist line shall be used.
- Do not consume alcoholic beverages or other depressants or chemical stimulants prior to starting work on a drill rig or while on the job.
- All unattended boreholes must be adequately covered or otherwise protected to prevent drill rig personnel, site visitors, or animals form stepping or falling into the hole.
- Terminate drilling operations during an electrical storm and move the entire crew away from the drill rig.

12.0 DISPOSAL PROCEDURES

All discarded materials, waste materials, or other objects shall be handled in such a way as to preclude the potential for spreading contamination, creating a sanitary hazard or causing litter to be left on-site.

All potentially contaminated materials, e.g., clothing, gloves, etc., will be bagged or drummed as necessary, labeled, and segregated for disposal. All non-contaminated materials will be collected and bagged for appropriate disposal as non-hazardous solid waste. Additional waste disposal procedures may be developed as applicable.

13.0 EMERGENCY RESPONSE PLAN

Support procedures that are addressed in the following subsections include communications, local emergency support units, preparation for medical emergencies, first aid for injuries incurred on- This section establishes procedures and provides information for use during a project emergency. Emergencies happen unexpectedly and quickly, and require an immediate response; therefore, contingency planning and advanced training of staff are essential. Specific elements of emergency site, record keeping, and emergency site evacuation procedures.

13.1 Responsibilities

13.1.1 Director of Health & Safety (DHS)

The DHS oversees and approves the Emergency Response/Contingency Plan and performs audits to determine that the plan is in effect and that all pre-emergency requirements are met. The DHS acts as a liaison to applicable regulatory agencies and notifies OSHA of reportable accidents.

13.1.2 Field Team Leader/Site Health and Safety Officer (FOL/SHSO)

The FTL/SHSO is responsible for ensuring that all personnel are evacuated safely and that machinery and processes are shut down or

stabilized in the event of a stop-work order or evacuation. The FTL/SHSO is required to immediately notify the DHS of any fatalities or catastrophes (three or more workers injured and hospitalized) so that the DHS can ensure that OSHA is notified within the required time frame. The DHS will be notified of all OSHA recordable injuries, fires, spills, releases, or equipment damage exceeding $500 within 24 hours.

13.1.3 Emergency Coordinator (EC)

The Emergency Coordinator for the project is the FTL/SHSO.

The Emergency Coordinator shall make contact with Local Emergency Response personnel prior to beginning work on site. In these contacts the emergency coordinator will inform interested parties about the nature and duration of work expected on the site and the type of contaminants and possible health or safety effects of emergencies involving these contaminants. The emergency coordinator will locate emergency phone numbers and identify hospital routes prior to beginning work on site. The emergency coordinator shall make the necessary arrangements to be prepared for any emergencies that could occur.

The Emergency Coordinator will implement the Emergency Response/Contingency Plan whenever conditions at the site warrant such action.

13.1.4 Site Personnel

Site personnel are responsible for knowing the Emergency Response/Contingency Plan and the procedures contained herein. Personnel are expected to notify the Emergency Coordinator of situations that could constitute a site emergency.

13.2 Communication

A variety of communication systems may be utilized during emergencies. These are discussed in the following sections.

13.2.1 Hand Signals

Downrange field teams will employ hand signals where necessary for communication during emergencies. Hand signals are found in Section 8.3.

13.2.2 Field Radios and Cell Phones

LaBella field personnel are provided cellular phones for site communication and emergency use.

13.3 Local Emergency Support Units

A route map from the site to the nearest hospital is provided in section 13.7. This map will be placed with the above emergency telephone numbers in all on-site vehicles.

13.4 Pre-Emergency Planning

Before the start of the project, LaBella will communicate directly with administrative personnel from the emergency room at the hospital to determine whether the hospital has the facilities and personnel needed to treat cases of trauma resulting from exposure to any of the contaminants expected to be found on the site. Instructions for finding the appropriate hospital will be posted conspicuously in the site office and in each site vehicle.

Table 13-1
Emergency Telephone Numbers

Contact	Firm or Agency	Telephone Number
Police		911
Fire		911
Hospital	Albany Memorial Hospital	(518) 471-3221
Ambulance		911
Project Director/Health and Safety Manager	Arlette St. Romain, LaBella	(518) 824-1928

Health & Safety Officer	Catherine Monian, LaBella	(845) 486-1557
NYSDEC Site Contact	Matthew Dunham	(518) 357-2396
Poison Control Center		(800) 962-1253
Chemtrec		(800) 424-9300

13.5 Emergency Medical Treatment

- The procedures and rules in this HASP are designed to prevent employee injury. However, should an injury occur, no matter how slight, it will be reported to the FTL/SHSO immediately. First aid equipment will be available on-site at the following locations:
- First Aid Kit: Support Zone (or designated by FTL/SHSO upon arrival)
- Emergency Eye Wash:Support Zone (or designated by FTL/SHSO upon arrival)

During site-specific training, project personnel will be informed of the location of the first aid station(s) that has been set up. Unless they are in immediate danger, severely injured persons will not be moved until paramedics can attend to them. Some injuries, such as severe cuts and lacerations or burns, may require immediate treatment. Any first aid instructions that can be obtained from doctors or paramedics, before an emergency-response squad arrives at the site or before the injured person can be transported to the hospital, will be followed closely.

There will be at least one person with current First Aid and CPR certification on each active work shift. When personnel are transported to the hospital, the FTL/SHSO will provide a copy of the Medical Data Sheet to the paramedics and treating physicians.

Only in non-emergency situations will an injured person be transported to the hospital by means other than an ambulance. A map and directions to the

hospital can be found in section 13.7.

13.6 Emergency Site Evacuation Routes and Procedures

In order to mobilize the manpower resources and equipment necessary to cope with a fire or other emergency, a clear chain of authority will be established. The EC will take charge of all emergency response activities and dictate the procedures that will be followed for the duration of the emergency. The EC will report immediately to the scene of the emergency, assess the seriousness of the situation, and direct whatever efforts are necessary until the emergency response units arrive. At his/her discretion, the EC also may order the closure of the site for an indefinite period.

All project personnel will be instructed on proper emergency response procedures and locations of emergency telephone numbers during the initial site safety meeting. If an emergency occurs, including but not limited to fire, explosion, or significant release of toxic gas into the atmosphere, an air horn will be sounded on the site. The horn will sound continuously for one blast, signaling that immediate evacuation of all personnel is necessary due to an immediate or impending danger. All heavy equipment will be shut down and all personnel will evacuate the work areas and assemble at the evacuation meeting point, which will be determined upon arrival at the site by the FTL/SHSO, prior to work beginning. This will then be conveyed to all crew members during the site-specific briefing.

The EC will give directions for implementing whatever actions are necessary. Any project team member may be assigned to be in charge of emergency communications during an emergency. He/she will attend the site telephone specified by the EC from the time the alarm sounds until the emergency has ended.

After sounding the alarm and initiating emergency response procedures, the EC will check and verify that access roads are not obstructed. If traffic control is necessary, as in the event of a fire or explosion, a project team member, who has been trained in these procedures and designated at the site safety meeting, will take over these duties until local police and firefighters arrive.

The EC will remain at the site to provide any assistance requested by emergency-response squads as they arrive to deal with the situation. A map showing evacuation routes, meeting places, and the location of emergency equipment will be posted in all trailers and used during site-specific training.

13.7 Hospital Route

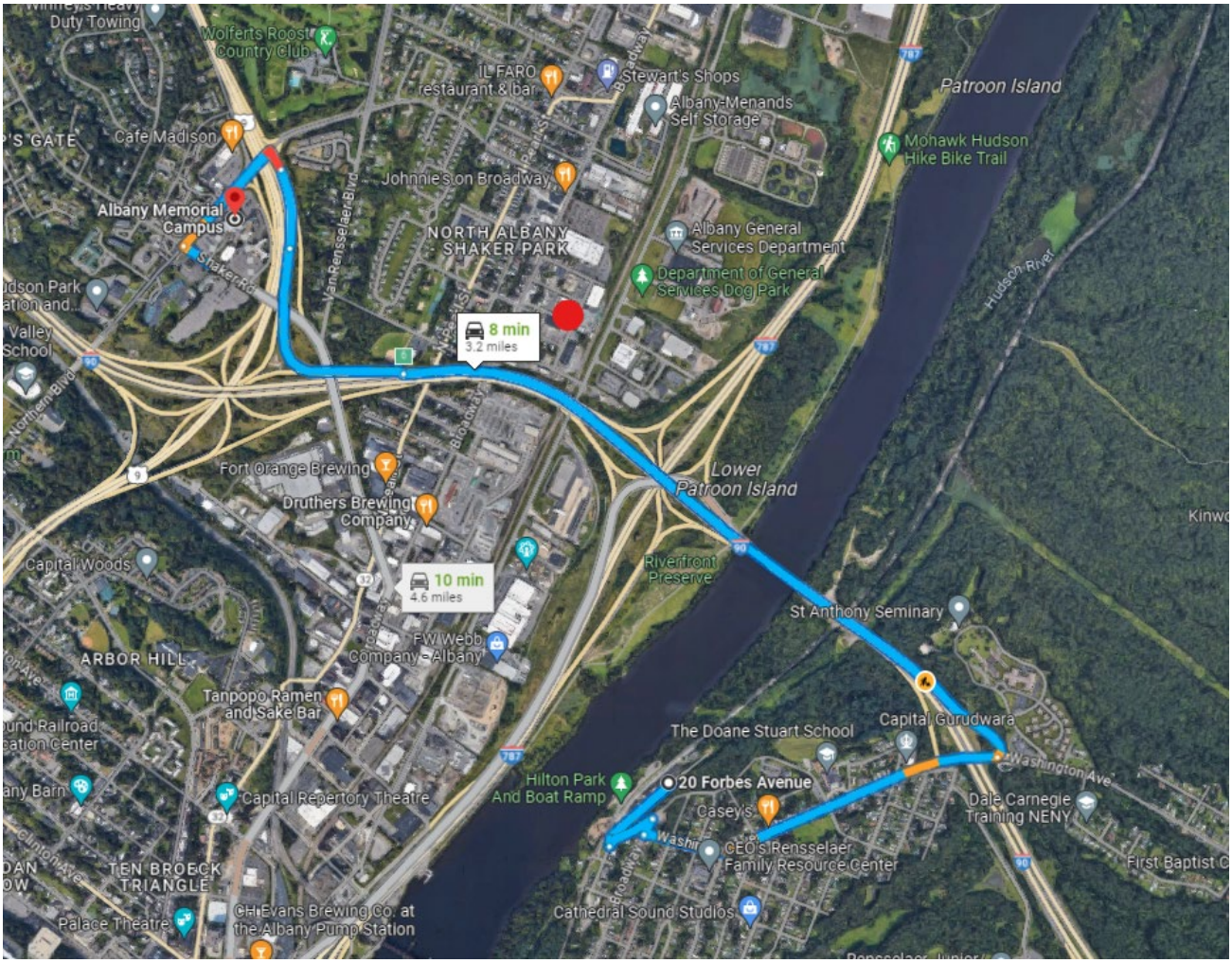
Albany Memorial Hospital is located approximately 3.2 miles from the Site. The

travel time from the Site to Albany Memorial Hospitaler is approximately eight minutes. Directions are provided below and a route plan map is shown on the following page.

1.	Head southwest on Forbes Ave towards Broadway	0.2 miles
2.	Turn right onto Broadway	0.1 miles
3.	Turn left onto Washington Ave.	0.7 miles
4.	Turn left to merge onto I-90W	1.4 miles
5.	Take Exit 6 for US-9N toward Loudonville, keep right fort Northern Blvd.	0.5 miles
6.	Turn left onto Northern Blvd.	0.3 mile
7.	Turn Left onto Shaker Rd	250 feet
	Total estimated time = 8 minutes	3.2 miles

13.7.1 *Fire Prevention and Protection*

In the event of a fire or explosion, procedures will include immediately evacuating the site (air horn will sound for a single continuous blast), and notification of local fire and police departments. No personnel will fight a fire beyond the stage where it can be put out with a portable extinguisher



(incipient stage).

13.7.2 *Fire Prevention*

Adhering to the following precautions will prevent fires:

- Good housekeeping and storage of materials;
- Storage of flammable liquids and gases away from oxidizers;
- No smoking in the exclusion zone or any work area;
- No hot work without a properly executed hot work permit;
- Shutting off engines to refuel;

- Grounding and bonding metal containers during transfer of flammable liquids;
- Use of UL approved flammable storage cans;
- Fire extinguishers rated at least 10 pounds ABC located on all heavy equipment, in all trailers and near all hot work activities; and
- Monthly inspections of all fire extinguishers.

13.8 Overt Chemical Exposure

The following are standard procedures to treat chemical exposures. Other, specific procedures detailed on the Safety Data Sheet or recommended by the Corporate Medical Consultant will be followed, when necessary.

SKIN AND EYE CONTACT: Use copious amounts of soap and water. Wash/rinse affected areas thoroughly, and then provide appropriate medical attention. Eyes should be rinsed for 15 minutes upon chemical contamination. Skin should also be rinsed for 15 minutes if contact with caustics, acids or hydrogen peroxide occurs.

INHALATION: Move to fresh air. Decontaminate and transport to hospital or local medical provider.

INGESTION: Decontaminate and transport to emergency medical facility. Do NOT cause vomiting, unless the SDS instructs to do so.

PUNCTURE WOUND OR LACERATION: Decontaminate and transport to emergency medical facility.

13.9 Decontamination During Medical Emergencies

If emergency life-saving first aid and/or medical treatment is required, normal decontamination procedures may need to be abbreviated or postponed. The FTL/SHSO or designee will accompany contaminated victims to the medical facility to advise on matters involving decontamination, when necessary. The outer garments can be removed if they do not cause delays, interfere with treatment, or aggravate the problem. Respiratory equipment must always be removed. Protective clothing can be cut away. If the outer contaminated garments cannot be safely removed on-site, a plastic barrier placed between the injured individual and clean surfaces should be used to help prevent contamination of the inside of ambulances and/or medical personnel. Outer garments may then be removed at the medical facility. No attempt will be made to wash or rinse the victim if his/her injuries are life-threatening, unless it is known that the individual has been contaminated with an extremely toxic or corrosive material which could also cause

severe injury or loss of life to emergency response personnel. For minor medical problems or injuries, the normal decontamination procedures will be followed.

13.10 Accident/Incident Reporting

As soon as first aid and/or emergency response needs have been met, the following parties are to be contacted by telephone:

- FTL/SHSO
- DHS;
- PM; and
- The employer of any injured worker who is not a LaBella employee.

Written confirmation of verbal reports is to be completed by the FTL/SHSO using the Incident Report Form and submitted within 24 hours. The incident report and investigation form is found in **Appendix F**. If the employee involved is not a LaBella employee, his employer will receive a copy of the report.

13.11 Adverse Weather Conditions

In the event of adverse weather conditions, the FTL/SHSO will determine if work can continue without potentially risking the safety of all field workers. Some of the items to be considered prior to determining if work should continue are:

- Potential for heat stress and heat-related injuries;
- Potential for cold stress and cold-related injuries;
- Treacherous weather-related working conditions (hail, rain, snow, ice, high winds);
- Limited visibility (fog);
- Potential for electrical storms;
- Earthquakes; and
- Other major incidents.

Site activities will be limited to daylight hours, or when suitable artificial light is provided, and acceptable weather conditions prevail. The FTL/SHSO will determine the need to cease field operations or observe daily weather reports and evacuate, if necessary, in case of severe inclement weather conditions.

13.12 Spill Control and Response

All small hazardous spills/environmental releases shall be contained as close to the source as possible. Whenever possible, the SDS will be consulted to assist in determining the best means of containment and cleanup. For small spills, sorbent materials such as sand, sawdust, or commercial sorbents should be placed directly

on the substance to contain the spill and aid recovery. Any acid spills should be diluted or neutralized carefully prior to attempting recovery. Berms of earthen or sorbent materials can be used to contain the leading edge of the spills. Drains or drainage areas should be blocked. All spill containment materials will be properly disposed of. An exclusion zone of 50 to 100 feet around the spill area should be established depending on the size of the spill. The following seven steps should be taken by the Emergency Coordinator:

- Determine the nature, identity, and amounts of major spill components;
- Make sure all unnecessary persons are removed from the spill area;
- Notify appropriate response teams and authorities;
- Use proper PPE in consultation with the FTL/SHSO;
- If a flammable liquid, gas or vapor is involved, remove all ignition sources and use non-sparking and/or explosive proof equipment to contain or clean up the spill (diesel only vehicles, air-operated pumps, etc.);
- If possible, try to stop the leak with appropriate material; and,
- Remove all surrounding materials that can react or compound with the spill.

13.13 Emergency Equipment

The following minimum emergency equipment shall be kept and maintained on-site:

- Industrial first aid kit;
- Burn kit and portable eye washes (one per field team);
- Fire extinguishers (one per work area); and
- Absorbent material /spill kit.

14.0 TRAINING

14.1 General Health and Safety Training

In accordance with LaBella corporate policy, and pursuant to 29 CFR 1910.120, hazardous waste site workers shall, at the time of job assignment, have received a minimum of 40 hours of initial health and safety training for hazardous waste site operations unless otherwise (HAZWOPER) noted in the above reference. At a minimum, the training shall have consisted of instruction in the topics outlined in the standard. Personnel who have not met the requirements for initial training shall not be allowed to work in any site activities in which they may be exposed to hazards (chemical or physical).

14.1.1 *Three Day Supervised on the Job Training*

In addition to the required 40-hour initial hazardous waste operations training, each employee shall have received three days of directly supervised on-the-job training. This training will address the duties the employees are expected to perform.

14.2 Annual Eight-Hour Refresher Training

Annual eight-hour HAZWOPER refresher training will be required of all hazardous waste site field personnel in order to maintain their qualifications for fieldwork. The training will cover a review of 1910.120 requirements and related company programs and procedures.

14.2.1 *Site-Specific Training*

Prior to commencement of field activities, all field personnel assigned to the project will have completed training that will specifically address the activities, procedures, monitoring, and equipment used in the site operations. It will include site and facility layout, hazards and emergency services at the site, and will highlight all provisions contained within this HASP. This training will also allow field workers to clarify anything they do not understand and to reinforce their responsibilities regarding safety and operations for their particular activity.

14.3 On-Site Safety Briefings

14.3.1 *Start of the Shift*

At the start of each shift, project personnel and visitors will be given on-site health and safety briefings daily by the FTL/SHSO to assist site personnel in safely conducting their work activities. A copy of the Daily Tailgate Meeting Form is contained in **Appendix D**. The briefings will include information on new operations to be conducted, changes in work practices or changes in the site's environmental conditions, as well as periodic reinforcement of previously discussed topics. The briefings will also provide a forum to facilitate conformance with safety requirements and to identify performance deficiencies related to safety during daily activities or as a result of safety inspections. The meetings will also be an opportunity to periodically update the crews on monitoring results. Prior to starting any new activity, a training session using the Task Hazard Analysis will be held for crew members involved in the task.

14.3.2 *End of the Shift*

At the end of each shift, project personnel will hold a de-brief to discuss lessons learned from any near-misses and any other health and safety matters that will help with planning the next day's activities.

14.4 First Aid and CPR

The DHS will identify those individuals requiring first aid and CPR training to ensure that emergency medical treatment is available during field activities. It is required that a minimum of one field person on-site at any one time will have first aid and CPR training. The training will be consistent with the requirements of the American Red Cross Association or American Heart Association. If none are available on-site, then the DHS shall be notified.

14.5 Supervisory Training

Supervisors and health and safety personnel shall have completed an additional eight hours of specialized HAZWOPER training in accordance with 29 CFR 1910.120.

15.0 LOGS, REPORTS AND RECORDKEEPING

Changes to the HASP will be documented in the Health and Safety logbook and as appropriate, the DHS and/or PM will be notified. Daily tailgate meetings will be documented in the H&S logbook as well as personnel on-site. The daily tailgate meeting form can be found in **Appendix D**.

15.1 Medical and Training Records

Copies or verification of training (40-hour, 8-hour, supervisor, site-specific training and documentation of three day OJT) and medical clearance for hazardous waste site work and respirator use will be maintained on-site. Records for all subcontractor employees will also be kept on-site.

15.2 Incident Report and Investigation Form

The incident report and investigation form is to be completed for all accidents and incidents, including near misses. The form can be found in **Appendix E**.

15.3 and Safety Logbooks

The FTL/SHSO will maintain a logbook during site work. The daily site conditions, personnel, monitoring results and significant events will be recorded. The original logbooks will become part of the exposure records file

16.0 FIELD PERSONNEL REVIEW

This form serves as documentation that field personnel have read, or have been informed of, and understand the provisions of the HASP. It is maintained on site by the FTL/SHSO as a project record. Each field team member shall sign this section after site-specific training is completed and before being permitted to work on site.

I have read, or have been informed of, the HASP and understand the information presented. I will comply with the provisions contained therein.

Name (Print and Sign)	Date

SAFETY DATA SHEET

Version 8.5
Revision Date 03/17/2023
Print Date 10/21/2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : 1,1,1-Trichloroethane

Product Number : T54704
Brand : Aldrich
Index-No. : 602-013-00-2
CAS-No. : 71-55-6

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.
3050 SPRUCE ST
ST. LOUIS MO 63103
UNITED STATES

Telephone : +1 314 771-5765
Fax : +1 800 325-5052

1.4 Emergency telephone

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Inhalation (Category 4), H332
Carcinogenicity (Category 1B), H350
Short-term (acute) aquatic hazard (Category 3), H402
Hazardous to the ozone layer (Category 1), H420

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal Word Danger

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Hazard statement(s)

H332	Harmful if inhaled.
H350	May cause cancer.
H402	Harmful to aquatic life.
H420	Harms public health and the environment by destroying ozone in the upper atmosphere.

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing mist or vapors.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.
P502	Refer to manufacturer/ supplier for information on recovery/ recycling.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

May form explosive peroxides.

SECTION 3: Composition/information on ingredients

3.1 Substances

Formula	:	C2H3Cl3
Molecular weight	:	133.4 g/mol
CAS-No.	:	71-55-6
EC-No.	:	200-756-3
Index-No.	:	602-013-00-2

Component	Classification	Concentration
1,1,1-Trichloroethane		
	Acute Tox. 4; Aquatic Acute 3; Ozone 1; H332, H402, H420	<= 100 %

1,4-Dioxane		
	Flam. Liq. 2; Eye Irrit. 2A; Carc. 1B; STOT SE 3; H225, H319, H350, H335 Concentration limits: >= 20 %: STOT SE 3, H335;	>= 1 - < 5 %

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For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice
Show this material safety data sheet to the doctor in attendance.

If inhaled
After inhalation: fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen.

In case of skin contact
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

In case of eye contact
After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed
After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Water Foam Carbon dioxide (CO2) Dry powder

Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture
Carbon oxides
Hydrogen chloride gas
Combustible.
Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters
Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further information
Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.
For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Hygiene measures
Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions
Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

Test for peroxide formation periodically and before distillation.

Storage class
Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

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Component	CAS-No.	Value	Control parameters	Basis
1,1,1-Trichloroethane	71-55-6	TWA	350 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Not classifiable as a human carcinogen		
		STEL	450 ppm	USA. ACGIH Threshold Limit Values (TLV)
		Not classifiable as a human carcinogen		
		C	350 ppm 1,900 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	350 ppm 1,900 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		PEL	350 ppm 1,900 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		STEL	450 ppm 2,450 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		C	800 ppm	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
1,4-Dioxane	123-91-1	TWA	20 ppm	USA. ACGIH Threshold Limit Values (TLV)
		Confirmed animal carcinogen with unknown relevance to humans Danger of cutaneous absorption		
		TWA	25 ppm 90 mg/m3	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
		Skin notation		
		TWA	100 ppm 360 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		Skin designation		
		C	1 ppm 3.6 mg/m3	USA. NIOSH Recommended Exposure Limits
		Potential Occupational Carcinogen		
		PEL	0.28 ppm 1 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		Skin		

Biological occupational exposure limits

Component	CAS-No.	Parameters	Value	Biological specimen	Basis

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1,1,1-Trichloroethane	71-55-6	Methyl chloroform	20parts per million	In end-exhaled air	ACGIH - Biological Exposure Indices (BEI)
	Remarks	Prior to last shift of workweek			
		Methyl chloroform	700 µg/l	Urine	ACGIH - Biological Exposure Indices (BEI)
		End of shift			

8.2 Exposure controls

Appropriate engineering controls
Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Personal protective equipment

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection
This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).
Full contact
Material: Viton®
Minimum layer thickness: 0.7 mm
Break through time: 480 min
Material tested:Vitoject® (KCL 890 / Aldrich Z677698, Size M)

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).
Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.4 mm
Break through time: 60 min
Material tested:Camatril® (KCL 730 / Aldrich Z677442, Size M)

Body Protection
protective clothing

Respiratory protection
required when vapours/aerosols are generated.
Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure
Do not let product enter drains.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: liquid
b)	Odor	No data available
c)	Odor Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	Melting point: -30.4 °C (-22.7 °F)
f)	Initial boiling point and boiling range	74 °C 165 °F at 1,013 hPa
g)	Flash point	()No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	Upper explosion limit: 15.5 %(V) Lower explosion limit: 8.0 %(V)
k)	Vapor pressure	No data available
l)	Vapor density	No data available
m)	Density	1.34 g/cm3 at 20 °C (68 °F)
	Relative density	No data available
n)	Water solubility	1.25 g/l at 20 °C (68 °F)
o)	Partition coefficient: n-octanol/water	log Pow: 2.49 at 20 °C (68 °F) - Bioaccumulation is not expected., (ECHA)
p)	Autoignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	none

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Formation of peroxides possible.

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10.2 Chemical stability
The product is chemically stable under standard ambient conditions (room temperature) .
Contains the following stabilizer(s):
1,4-Dioxane (>1 - <=3 %)

10.3 Possibility of hazardous reactions
Risk of explosion with:
nitrogen dioxide
Potassium
Risk of ignition or formation of inflammable gases or vapours with:
Generates dangerous gases or fumes in contact with:
Exothermic reaction with:
alkali hydroxides
Aluminum
magnesium
Oxygen
Aluminum
aluminium oxide
Heavy metals
Alkaline earth metals
magnesium
hydrides
Oxygen

10.4 Conditions to avoid
Moisture.

10.5 Incompatible materials
Aluminum, various plastics

10.6 Hazardous decomposition products
Peroxides
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
LD50 Oral - Rat - 9,600 mg/kg
Symptoms: Nausea, Vomiting, Risk of aspiration upon vomiting., Aspiration may cause pulmonary edema and pneumonitis.
Remarks: (RTECS)
Acute toxicity estimate Inhalation - 4 h - 11 mg/l - vapor(Calculation method)

Inhalation: absorption
Dermal: absorption

Skin corrosion/irritation
Remarks: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Serious eye damage/eye irritation
Remarks: No data available

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Respiratory or skin sensitization
Maximization Test - Guinea pig
Result: negative
(OECD Test Guideline 406)

Germ cell mutagenicity
Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Carcinogenicity

IARC:	2B - Group 2B: Possibly carcinogenic to humans (1,4-Dioxane)
IARC:	2A - Group 2A: Probably carcinogenic to humans (1,1,1-Trichloroethane)
NTP:	RAHC - Reasonably anticipated to be a human carcinogen (1,4-Dioxane)
OSHA:	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

11.2 Additional Information

RTECS: KJ2975000
burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Exposure to and/or consumption of alcohol may increase toxic effects., prolonged or repeated exposure can cause:, narcosis, Liver injury may occur., Kidney injury may occur.
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Systemic effects:

After absorption:

Headache
Dizziness
Tiredness
narcosis
drop in blood pressure
Unconsciousness

After uptake of large quantities:

depressed respiration
cardiovascular disorders

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SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish	static test LC50 - Pimephales promelas (fathead minnow) - 52.8 mg/l - 96 h (US-EPA)
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - > 530 mg/l - 48 h (US-EPA)
Toxicity to algae	static test EC50 - Pseudokirchneriella subcapitata (algae) - 41 mg/l - 72 h (OECD Test Guideline 201)
	static test NOEC - Pseudokirchneriella subcapitata (green algae) - 7.8 mg/l - 72 h (OECD Test Guideline 201)
	IC50 - Scenedesmus capricornutum (fresh water algae) - > 670 mg/l - 96 h Remarks: (Lit.)
Toxicity to bacteria	EC50 - Sewage sludge - 360 mg/l - 30 min (OECD Test Guideline 209)

12.2 Persistence and degradability

Biodegradability	Result: 0 % - Not readily biodegradable. (OECD Test Guideline 301C)

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Biological effects:
Hazard for drinking water supplies.
Further information on ecology
Substance which may present a danger to the structure and/or the functioning of the stratospheric ozone layer according to EC Regulation No 2037/2000 (listed in Annex I, Group V).
Discharge into the environment must be avoided.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product
Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

SECTION 14: Transport information

DOT (US)
UN number: 2831 Class: 6.1 Packing group: III
Proper shipping name: 1,1,1-Trichloroethane
Reportable Quantity (RQ): 1000 lbs
Reportable Quantity (RQ): 10 lbs
Reportable Quantity (RQ): 10 lbs
Poison Inhalation Hazard: No

IMDG
UN number: 2831 Class: 6.1 Packing group: III EMS-No: F-A, S-A
Proper shipping name: 1,1,1-TRICHLOROETHANE

IATA
UN number: 2831 Class: 6.1 Packing group: III
Proper shipping name: 1,1,1-Trichloroethane

SECTION 15: Regulatory information

SARA 302 Components
This material does not contain any components with a section 302 EHS TPQ.

SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.	Revision Date
1,1,1-Trichloroethane	71-55-6	2020-07-14
1,4-Dioxane	123-91-1	2007-07-01

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

Reportable Quantity : F001 lbs
F002 lbs

Massachusetts Right To Know Components

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	CAS-No.	Revision Date
1,1,1-Trichloroethane	71-55-6	2020-07-14
1,4-Dioxane	123-91-1	2007-07-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
1,1,1-Trichloroethane	71-55-6	2020-07-14
1,4-Dioxane	123-91-1	2007-07-01

California Prop. 65 Components

	CAS-No.	Revision Date
, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.1,4-Dioxane	123-91-1	2007-09-28

SECTION 16: Other information

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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Version: 8.5 Revision Date: 03/17/2023 Print Date: 10/21/2023

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SAFETY DATA SHEET

Creation Date 11-Jun-2009 **Revision Date** 25-Dec-2021 **Revision Number** 6

1. Identification

Product Name **Toluene**

Cat No. : **AC326980000; AC326980010; AC326980025; AC326981000; AC326982500**

CAS No 108-88-3
Synonyms Tol; Methylbenzene

Recommended Use Laboratory chemicals.
Uses advised against Food, drug, pesticide or biocidal product use.

Details of the supplier of the safety data sheet

Company

Fisher Scientific Company
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

Emergency Telephone Number For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11
Emergency Number **US:**001-201-796-7100 / **Europe:** +32 14 57 52 99
CHEMTREC Tel. No.**US:**001-800-424-9300 / **Europe:**001-703-527-3887

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	Category 2
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Target Organs - Respiratory system, Central nervous system (CNS).	
Specific target organ toxicity - (repeated exposure)	Category 2
Target Organs - Kidney, Liver, spleen, Blood, Neurological effects, Eyes, Ears.	
Aspiration Toxicity	Category 1

Label Elements

Signal Word

Danger

Hazard Statements
Highly flammable liquid and vapor
May be fatal if swallowed and enters airways
Causes skin irritation
Causes serious eye irritation
May cause drowsiness or dizziness
Suspected of damaging the unborn child
May cause damage to organs through prolonged or repeated exposure

Precautionary Statements
Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool
Response
IF exposed or concerned: Get medical attention/advice
Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Skin
If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
Ingestion
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting
Fire
In case of fire: Use CO2, dry chemical, or foam for extinction
Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed
Disposal
Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)
Harmful to aquatic life with long lasting effects
WARNING. Reproductive Harm - https://www.p65warnings.ca.gov/.

3. Composition/Information on Ingredients

Component	CAS No	Weight %
Toluene	108-88-3	<=100

4. First-aid measures

General Advice If symptoms persist, call a physician.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur. Risk of serious damage to the lungs (by aspiration).

Ingestion Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Call a physician or poison control center immediately. If vomiting occurs naturally, have victim lean forward.

Most important symptoms and effects . Causes central nervous system depression: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

Notes to Physician Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam. Water mist may be used to cool closed containers.

Unsuitable Extinguishing Media No information available

Flash Point 4 °C / 39.2 °F

Method - No information available

Autoignition Temperature 535 °C / 995 °F

Explosion Limits
Upper 7.1 vol %
Lower 1.1 vol %

Oxidizing Properties Not oxidising

Sensitivity to Mechanical Impact No information available
Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical
Flammable. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products
Carbon monoxide (CO). Carbon dioxide (CO_2).
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health	Flammability	Instability	Physical hazards
3	3	0	N/A

6. Accidental release measures

Personal Precautions Use personal protective equipment as required. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.

Environmental Precautions Do not flush into surface water or sanitary sewer system.

Methods for Containment and Clean Up Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

7. Handling and storage

Handling Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Take precautionary measures against static discharges.

Storage. Keep containers tightly closed in a dry, cool and well-ventilated place. Flammables area. Keep away from heat, sparks and flame. Incompatible Materials. Strong oxidizing agents. Strong acids. Strong bases. Halogenated compounds.

8. Exposure controls / personal protection

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
Toluene	TWA: 20 ppm	(Vacated) TWA: 100 ppm (Vacated) TWA: 375 mg/m^3 Ceiling: 300 ppm (Vacated) STEL: 150 ppm (Vacated) STEL: 560 mg/m^3 TWA: 200 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m^3 STEL: 150 ppm STEL: 560 mg/m^3	TWA: 20 ppm

Legend

ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH IDLH: NIOSH - National Institute for Occupational Safety and Health

Engineering Measures Ensure that eyewash stations and safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting equipment. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State	Liquid
Appearance	Colorless
Odor	aromatic
Odor Threshold	1.74 ppm
pH	No information available
Melting Point/Range	-95 °C / -139 °F
Boiling Point/Range	111 °C / 231.8 °F @ 760 mmHg
Flash Point	4 °C / 39.2 °F
Evaporation Rate	2.4 (Butyl acetate = 1.0)
Flammability (solid,gas)	Not applicable
Flammability or explosive limits	
Upper	7.1 vol %
Lower	1.1 vol %
Vapor Pressure	29 mbar @ 20 °C
Vapor Density	3.1
Specific Gravity	0.866
Solubility	Insoluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	535 °C / 995 °F
Decomposition Temperature	No information available
Viscosity	0.6 mPa.s @ 20 °C
Molecular Formula	C7 H8
Molecular Weight	92.14

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable under normal conditions.

Conditions to Avoid Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible Materials Strong oxidizing agents, Strong acids, Strong bases, Halogenated compounds

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO_2)

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Toluene	> 5000 mg/kg (Rat)	12000 mg/kg (Rabbit)	26700 ppm (Rat) 1 h

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Irritating to eyes, respiratory system and skin

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
Toluene	108-88-3	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects Not mutagenic in AMES Test

Reproductive Effects Experiments have shown reproductive toxicity effects on laboratory animals.

Developmental Effects Developmental effects have occurred in experimental animals.

Teratogenicity Possible risk of harm to the unborn child.

STOT - single exposure Respiratory system Central nervous system (CNS)
STOT - repeated exposure Kidney Liver spleen Blood Neurological effects Eyes Ears

Aspiration hazard No information available

Symptoms / effects,both acute and delayed Causes central nervous system depression: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

The product contains following substances which are hazardous for the environment. Contains a substance which is:. Toxic to aquatic organisms.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Toluene	EC50: = 12.5 mg/L, 72h static (Pseudokirchneriella subcapitata) EC50: > 433 mg/L, 96h (Pseudokirchneriella subcapitata)	50-70 mg/L LC50 96 h 5-7 mg/L LC50 96 h 15-19 mg/L LC50 96 h 28 mg/L LC50 96 h 12 mg/L LC50 96 h	EC50 = 19.7 mg/L 30 min	EC50: = 11.5 mg/L, 48h (Daphnia magna) EC50: 5.46 - 9.83 mg/L, 48h Static (Daphnia magna)

Persistence and Degradability Persistence is unlikely

Bioaccumulation/ Accumulation No information available.

Mobility Is not likely mobile in the environment due its low water solubility.

Component	log Pow
Toluene	2.7

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Component	RCRA - U Series Wastes	RCRA - P Series Wastes
Toluene - 108-88-3	U220	-

14. Transport information

DOT

UN-No UN1294
Proper Shipping Name TOLUENE
Hazard Class 3
Packing Group II

TDG

UN-No	UN1294
Proper Shipping Name	TOLUENE
Hazard Class	3
Packing Group	II

IATA

UN-No	UN1294
Proper Shipping Name	TOLUENE
Hazard Class	3
Packing Group	II

IMDG/IMO

UN-No	UN1294
Proper Shipping Name	TOLUENE
Hazard Class	3
Packing Group	II

15. Regulatory information

United States of America Inventory

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
Toluene	108-88-3	X	ACTIVE	-

Legend:
TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)
X - Listed
'-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

International Inventories
Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Toluene	108-88-3	X	-	203-625-9	X	X	X	X	X	KE-33936

KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

U.S. Federal Regulations

SARA 313

Component	CAS No	Weight %	SARA 313 - Threshold Values %
Toluene	108-88-3	<=100	1.0

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act)

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
Toluene	X	1000 lb	X	X

Clean Air Act

Component	HAPS Data	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Toluene	X		-

OSHA - Occupational Safety and Health Administration Not applicable

CERCLA This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Component	Hazardous Substances RQs	CERCLA EHS RQs
Toluene	1000 lb 1 lb	-

California Proposition 65 This product contains the following Proposition 65 chemicals.

Component	CAS No	California Prop. 65	Prop 65 NSRL	Category
Toluene	108-88-3	Developmental	-	Developmental

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Toluene	X	X	X	X	X

U.S. Department of Transportation

Reportable Quantity (RQ): Y
DOT Marine Pollutant N
DOT Severe Marine Pollutant N

U.S. Department of Homeland Security This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade Serious risk, Grade 3

Authorisation/Restrictions according to EU REACH

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Toluene	-	Use restricted. See item 48. (see link for restriction details) Use restricted. See item 75. (see link for restriction details)	-

https://echa.europa.eu/substances-restricted-under-reach

Safety, health and environmental regulations/legislation specific for the substance or mixture

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Toluene	108-88-3	Listed	Not applicable	Not applicable	Not applicable

Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
Toluene	108-88-3	Not applicable	Not applicable	Not applicable	Annex I - Y42

16. Other information

Prepared By Regulatory Affairs
Thermo Fisher Scientific

Email: EMSDS.RA@thermofisher.com

Creation Date	11-Jun-2009
Revision Date	25-Dec-2021
Print Date	25-Dec-2021
Revision Summary	This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS

ChemicalBook

Chemical Safety Data Sheet MSDS / SDS

Bis(2-ethylhexyl) phthalate

Revision Date:2023-10-28 Revision Number:1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name	: Bis(2-ethylhexyl) phthalate
CBnumber	: CB8708555
CAS	: 117-81-7
EINECS Number	: 204-211-0
Synonyms	: dop,DEHP

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	: For R&D use only. Not for medicinal, household or other use.
Uses advised against	: none

Company Identification

Company	: Chemicalbook
Address	: Building 1, Huihuang International, Shangdi 10th Street, Haidian District, Beijing
Telephone	: 400-158-6606

SECTION 2: Hazards identification

GHS Label elements, including precautionary statements

Symbol(GHS)

Signal word Danger

Precautionary statements

P405 Store locked up.

P311 Call a POISON CENTER or doctor/physician.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P202 Do not handle until all safety precautions have been read and understood.

P201 Obtain special instructions before use.

Hazard statements

H370 Causes damage to organs

H360 May damage fertility or the unborn child

H225 Highly Flammable liquid and vapour

Disposal

WARNING.Cancer - https://oehha.ca.gov/proposition-65/chemicals/di2-ethylhexylphthalate-dehp

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SECTION 3: Composition/information on ingredients

Substance

Product name	: Bis(2-ethylhexyl) phthalate
Synonyms	: dop,DEHP
CAS	: 117-81-7
EC number	: 204-211-0
MF	: C24H38O4
MW	: 390.56

SECTION 4: First aid measures

Description of first aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air. Call in physician.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Foam Carbon dioxide (CO2) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture

Carbon oxides Combustible.

Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

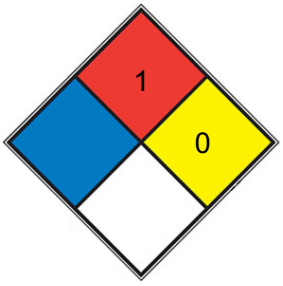
Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

NFPA 704



HEALTH		
FIRE	1	Materials that require considerable preheating, under all ambient temperature conditions, before ignition and combustion can occur. Includes some finely divided suspended solids that do not require heating before ignition can occur. Flash point at or above 93.3 °C (200 °F). (e.g. mineral oil, ammonia)
REACT	0	Normally stable, even under fire exposure conditions, and is not reactive with water (e.g. helium,N2)
SPEC. HAZ.		

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with liquid-

absorbent material (e.g.

Chemizorb?). Dispose of properly. Clean up affected area.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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SECTION 8: Exposure controls/personal protection

control parameter

Hazard composition and occupational exposure limits

Does not contain substances with occupational exposure limits.

Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Body Protection

protective clothing

Respiratory protection

required when vapours/aerosols are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type ABEK

The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

Control of environmental exposure

Do not let product enter drains.

Exposure limits

Potential occupational carcinogen. NIOSH REL: TWA 5, STEL 10, IDLH 5,000; OSHA PEL: TWA 5; ACGIH TLV: TWA 5 (adopted).

SECTION 9: Physical and chemical properties

Information on basic physicochemical properties

Appearance	Form: oily Color: colorless
Odour	odorless
Odour Threshold	Not applicable
pH	at 20 °C neutral
Melting point/freezing point	Melting point/range: -50 °C - lit.
Initial boiling point and boiling range	384 °C - lit.
Flash point	207 °C - closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	Lower explosion limit: 0,3 %(V)
Vapour pressure	1,6 hPa at 93,0 °C
Vapour density	>16 (vs air)
Relative density	0,985 g/cm3 at 25 °C - lit. No data available
Water solubility	ca.0,086 g/l at 25 °C - OECD Test Guideline 105- insoluble
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	390,0 °C
Decomposition temperature	No data available
Viscosity	Viscosity, kinematic: ca.78,17 mm2/s at 20 °C - OECD Test Guideline 114 Viscosity, dynamic: 81 mPa.s at 20 °C
Explosive properties	No data available
Oxidizing properties	No data available
Henry's Law Constant	(x 10^{-5} atm?m^3/mol): 1.1 at 25 °C (calculated, Howard, 1989)

Other safety information

No data available

SECTION 10: Stability and reactivity

Reactivity

Forms explosive mixtures with air on intense heating.

A range from approx. 15 Kelvin below the flash point is to be rated as critical.

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

Possibility of hazardous reactions

No data available

Conditions to avoid

Strong heating.

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

LD0 Oral - Rat - male and female - > 20.000 mg/kg (OECD Test Guideline 401)

LC0 Inhalation - Rat - male and female - 4 h - > 10,62 mg/l (OECD Test Guideline 403)

Remarks: (highest concentration to be prepared) LD50 Dermal - Rabbit - 19.800 mg/kg

Remarks: (ECHA)

Skin corrosion/irritation

Skin - Rabbit

Result: slight irritation - 4 h (OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation - 72 h (OECD Test Guideline 405)

Respiratory or skin sensitization

(OECD Test Guideline 406)

- Mouse

Result: Does not cause respiratory sensitization. Remarks: (ECHA)

Germ cell mutagenicity

Test Type: In vitro mammalian cell gene mutation test Test system: Mouse lymphoma test

Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476

Result: negative

Test Type: Ames test

Test system: Salmonella typhimurium

Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471

Result: negative

Test Type: Mutagenicity (mammal cell test): chromosome aberration. Test system: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473

Result: negative

Test Type: sister chromatid exchange assay Test system: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 479

Result: negative

Test Type: Micronucleus test

Test system: Chinese hamster lung cells

Metabolic activation: with and without metabolic activation Result: negative

Remarks: (ECHA)

Test Type: Chromosome aberration test Species: Rat

Cell type: Bone marrow Application Route: Oral

Method: OECD Test Guideline 475 Result: negative

Test Type: unscheduled DNA synthesis assay Species: Rat

Cell type: Liver cells Application Route: Oral

Method: OECD Test Guideline 486 Result: negative

Carcinogenicity

No data available

Reproductive toxicity

May damage the unborn child. May damage fertility.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Toxicity

Acute oral LD_{50} for guinea pigs 26 gm/kg, mice 30 gm/kg, rats 30,600 mg/kg, rabbits 34 gm/kg (quoted, RTECS, 1985).

SECTION 12: Ecological information

Toxicity

Toxicity to fish

flow-through test LC50 - Pimephales promelas (fathead minnow) - > 0,67 mg/l - 96 h

(OECD Test Guideline 203)

Remarks: (above the solubility limit in the test medium)

Toxicity to daphnia and other aquatic invertebrates

Immobilization EC50 - Daphnia magna (Water flea) - > 0,16 mg/l - 48 h

Remarks: (ECOTOX Database)

Toxicity to algae

EC50 - Pseudokirchneriella subcapitata - > 0,003 mg/l - 72 h (OECD Test Guideline 201)

Toxicity to bacteria

static test NOEC - activated sludge - 1.000 mg/l - 3 h (OECD Test Guideline 209)

Persistence and degradability

Biodegradability aerobic - Exposure time 29 d

Result: 82 % - Readily biodegradable. (OECD Test Guideline 301B)

Bioaccumulative potential

Bioaccumulation Oncorhynchus mykiss (rainbow trout) - 100 d

- 0,014 mg/l(Bis(2-ethylhexyl) phthalate)

Bioconcentration factor (BCF): 113 Remarks: Does not bioaccumulate.

Mobility in soil

No data available

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

No data available

SECTION 13: Disposal considerations

Waste treatment methods

Product

See www.retrologistik.com for processes regarding the return of chemicals and

containers, or contact us there if you have further questions.

SECTION 14: Transport information

UN number

ADR/RID: - IMDG: - IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

Packaging group

ADR/RID: - IMDG: - IATA: -

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Special precautions for user

No data available

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations on the Safety Management of Hazardous Chemicals

China Catalog of Hazardous chemicals 2015:Not Listed. website: https://www.mem.gov.cn/

Measures for Environmental Management of New Chemical Substances

New Zealand Inventory of Chemicals (NZIoC):Listed. website: https://www.epa.govt.nz/

Chinese Chemical Inventory of Existing Chemical Substances (China IECSC):Listed. website: https://www.mee.gov.cn/

Vietnam National Chemical Inventory:Listed. website: https://chemicaldata.gov.vn/

EC Inventory:Listed.

European Inventory of Existing Commercial Chemical Substances (EINECS):Listed. website: https://echa.europa.eu/

Philippines Inventory of Chemicals and Chemical Substances (PICCS):Listed. website: https://emb.gov.ph/

Korea Existing Chemicals List (KECL):Listed. website: http://ncis.nier.go.kr

United States Toxic Substances Control Act (TSCA) Inventory:Listed. website: https://www.epa.gov/

SECTION 16: Other information

Abbreviations and acronyms

CAS: Chemical Abstracts Service

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods

IATA: International Air Transportation Association

TWA: Time Weighted Average

STEL: Short term exposure limit

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

EC50: Effective Concentration 50%

References

【1】CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple

【2】ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp

【3】ECHA - European Chemicals Agency, website: https://echa.europa.eu/

【4】eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en

【5】ERG - Emergency Response Guidebook by U.S. Department of Transportation, website: http://www.phmsa.dot.gov/hazmat/library/erg

【6】Germany GESTIS-database on hazard substance, website: http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp

【7】HSDB - Hazardous Substances Data Bank, website: https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm

【8】IARC - International Agency for Research on Cancer, website: http://www.iarc.fr/

【9】IPCS - The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home

【10】Sigma-Aldrich, website: https://www.sigmaaldrich.com/

Disclaimer:
The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.

SAFETY DATA SHEET

Revision Date 20-Feb-2020 **Revision Number** 2

1. Identification

Product Name **Arsenic powder**

Cat No. : **10101**

CAS-No 7440-38-2
Synonyms No information available

Recommended Use Laboratory chemicals.
Uses advised against Food, drug, pesticide or biocidal product use.

Details of the supplier of the safety data sheet

Company
Alfa Aesar
Thermo Fisher Scientific Chemicals, Inc.
30 Bond Street
Ward Hill, MA 01835-8099
Tel: 800-343-0660
Fax: 800-322-4757
Email: tech@alfa.com
www.alfa.com

Emergency Telephone Number
During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660.
After normal business hours, call Carechem 24 at (866) 928-0789.

2. Hazard(s) identification

Classification
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute oral toxicity	Category 3
Acute Inhalation Toxicity - Dusts and Mists	Category 3
Carcinogenicity	Category 1A

Label Elements

Signal Word
Danger

Hazard Statements
May cause cancer
Toxic if swallowed or if inhaled

Precautionary Statements
Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Response
IF exposed or concerned: Get medical attention/advice
Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician
Ingestion
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse mouth
Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed
Disposal
Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)
Very toxic to aquatic life with long lasting effects
WARNING. Cancer - https://www.p65warnings.ca.gov/.

3. Composition/Information on Ingredients

Component	CAS-No	Weight %
Arsenic	7440-38-2	<=100

4. First-aid measures

General Advice
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye Contact
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact
Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

Inhalation
Remove to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.

Ingestion
Do NOT induce vomiting. Call a physician or poison control center immediately.

Most important symptoms and effects	None reasonably foreseeable.
Notes to Physician	Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media	approved class D extinguishers. Do not use water or foam.
Unsuitable Extinguishing Media	No information available
Flash Point	No information available
Method -	No information available
Autoignition Temperature	No information available
Explosion Limits	
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available

Specific Hazards Arising from the Chemical
Do not allow run-off from fire-fighting to enter drains or water courses.

Hazardous Combustion Products
arsenic oxides.
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

NFPA

Health	Flammability	Instability	Physical hazards
3	0	0	-

6. Accidental release measures

Personal Precautions	Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.
Environmental Precautions	Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Should not be released into the environment.
Methods for Containment and Clean Up	Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

7. Handling and storage

Handling	Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Avoid dust formation. Use only under a chemical fume hood. Do not breathe (dust, vapor, mist, gas). Do not ingest. If swallowed then seek immediate medical assistance.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls / personal protection

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
Arsenic	TWA: 0.01 mg/m³	(Vacated) TWA: 0.5 mg/m³	IDLH: 5 mg/m³ Ceiling: 0.002 mg/m³	TWA: 0.01 mg/m³

Legend

ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH IDLH: NIOSH - National Institute for Occupational Safety and Health

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State	Solid
Appearance	No information available
Odor	Odorless
Odor Threshold	No information available
pH	No information available
Melting Point/Range	817 °C / 1502.6 °F
Boiling Point/Range	614 °C / 1137.2 °F
Flash Point	No information available
Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	0.01 hPa @ 267 °C
Vapor Density	Not applicable
Specific Gravity	5.778 g/cm3
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	As
Molecular Weight	74.92

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable under normal conditions.

Conditions to Avoid Incompatible products.

Incompatible Materials Oxidizing agent

Hazardous Decomposition Products arsenic oxides

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Arsenic	LD50 = 15 mg/kg (Rat) LD50 = 763 mg/kg (Rat)	Not listed	Not listed

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Arsenic	7440-38-2	Group 1	Known	A1	X	A1

IARC (International Agency for Research on Cancer)

NTP: (National Toxicity Program)

ACGIH: (American Conference of Governmental Industrial Hygienists)

Mexico - Occupational Exposure Limits - Carcinogens

IARC (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2A - Probably Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)
Known - Known Carcinogen
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

A1 - Known Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen
ACGIH: (American Conference of Governmental Industrial Hygienists)

Mexico - Occupational Exposure Limits - Carcinogens
A1 - Confirmed Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Confirmed Animal Carcinogen
A4 - Not Classifiable as a Human Carcinogen
A5 - Not Suspected as a Human Carcinogen

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects,both acute and delayed No information available

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment. May cause long-term adverse effects in the environment. Do not allow material to contaminate ground water system.

Persistence and Degradability Insoluble in water May persist

Bioaccumulation/ Accumulation No information available.

Mobility Is not likely mobile in the environment due its low water solubility.

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT

UN-No	UN1558
Proper Shipping Name	ARSENIC
Hazard Class	6.1
Packing Group	II

TDG

UN-No	UN1558
Proper Shipping Name	ARSENIC
Hazard Class	6.1
Packing Group	II

IATA

UN-No	UN1558
Proper Shipping Name	ARSENIC
Hazard Class	6.1
Packing Group	II

IMDG/IMO

UN-No	UN1558
Proper Shipping Name	ARSENIC
Hazard Class	6.1
Packing Group	II

15. Regulatory information

United States of America Inventory

Component	CAS-No	TSCA	TSCA Inventory notification - Active/Inactive	TSCA - EPA Regulatory Flags
Arsenic	7440-38-2	X	ACTIVE	-

Legend:
TSCA - Toxic Substances Control Act, (40 CFR Part 710)
X - Listed
'-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Australia (AICS), China (IECSC), Korea (ECL).

Component	CAS-No	DSL	NDSL	EINECS	PICCS	ENCS	AICS	IECSC	KECL
Arsenic	7440-38-2	X	-	231-148-6	X	X	X	X	KE-01933

U.S. Federal Regulations

SARA 313

Component	CAS-No	Weight %	SARA 313 - Threshold Values %
Arsenic	7440-38-2	<=100	0.1

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act)

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
Arsenic	-	-	X	X

Clean Air Act

Component	HAPS Data	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Arsenic	X		-

OSHA - Occupational Safety and Health Administration Not applicable

Component	Specifically Regulated Chemicals	Highly Hazardous Chemicals
Arsenic	10 µg/m³ TWA 5 µg/m³ Action Level	-

CERCLA Not applicable

Component	Hazardous Substances RQs	CERCLA EHS RQs
Arsenic	1 lb	-

California Proposition 65 This product contains the following Proposition 65 chemicals.

Component	CAS-No	California Prop. 65	Prop 65 NSRL	Category
Arsenic	7440-38-2	Carcinogen	0.06 µg/day 10 µg/day	Carcinogen

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Arsenic	X	X	X	X	X

U.S. Department of Transportation

Reportable Quantity (RQ): N
DOT Marine Pollutant N
DOT Severe Marine Pollutant N

U.S. Department of Homeland Security This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

16. Other information

Prepared By	Health, Safety and Environmental Department Email: tech@alfa.com www.alfa.com
Revision Date	20-Feb-2020
Print Date	20-Feb-2020
Revision Summary	SDS authoring systems update, replaces ChemGes SDS No. 7440-38-2/1.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS

Chemical Safety Data Sheet MSDS / SDS

Barium

Revision Date:2023-10-21 Revision Number:1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name	: Barium
CBnumber	: CB0854186
CAS	: 7440-39-3
EINECS Number	: 231-149-1
Synonyms	: barium,BARIUM STANDARD SOLUTION

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	: For R&D use only. Not for medicinal, household or other use.
Uses advised against	: none

Company Identification

Company	: Chemicalbook
Address	: Building 1, Huihuang International, Shangdi 10th Street, Haidian District, Beijing
Telephone	: 400-158-6606

SECTION 2: Hazards identification

GHS Label elements, including precautionary statements

Symbol(GHS)

Signal word Danger

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P223 Keep away from any possible contact with water, because of violent reaction and possible flash fire.

P231+P232 Handle under inert gas. Protect from moisture.

P240 Ground/bond container and receiving equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P335+P334 Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.

P370+P378 In case of fire: Use … for extinction.

P402+P404 Store in a dry place. Store in a closed container.

Hazard statements

H228 Flammable solid

H261 In contact with water releases flammable gas

SECTION 3: Composition/information on ingredients

Substance

Product name	: Barium
Synonyms	: barium,BARIUM STANDARD SOLUTION
CAS	: 7440-39-3
EC number	: 231-149-1
MF	: Ba
MW	: 137.33

SECTION 4: First aid measures

Description of first aid measures

General advice
First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.
If inhaled
After inhalation: fresh air. Call in physician.
In case of skin contact
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.
In case of eye contact
After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.
If swallowed
If swallowed: give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible. Do not attempt to neutralise.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media
Water Foam

Special hazards arising from the substance or mixture

Barium oxide Not combustible.
May not get in touch with: Water
Ambient fire may liberate hazardous vapours.

Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

NFPA 704

HEALTH	1	Exposure would cause irritation with only minor residual injury (e.g. acetone, sodium bromate, potassium chloride)

1		3	
◇	FIRE	4	Will rapidly or completely vaporize at normal atmospheric pressure and temperature, or is readily dispersed in air and will burn readily. Includes pyrophoric substances. Flash point below room temperature at 22.8 °C (73 °F). (e.g. acetylene, propane, hydrogen gas)
◇	REACT	3	Capable of detonation or explosive decomposition but requires a strong initiating source, must be heated under confinement before initiation, reacts explosively with water, or will detonate if severely shocked (e.g. ammonium nitrate, cesium, hydrogen peroxide)
◇	SPEC. HAZ.		

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.
For personal protection see section 8.

Environmental precautions

Do not let product enter drains. Risk of explosion.

Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Keep workplace dry. Do not allow product to come into contact with water.

Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition.Take precautionary measures against static discharge.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.
For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed. Keep away from heat and sources of ignition. Keep locked up or in an area accessible only to qualified or authorized persons.
Never allow product to get in contact with water during storage. Store under inert gas.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

control parameter

Hazard composition and occupational exposure limits

Does not contain substances with occupational exposure limits.

Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate
government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm Break through time: 480 min

Material tested:KCL 741 Dermatril? L

Splash contact Material: Nitrile rubber

Minimum layer thickness: 0,11 mm Break through time: 480 min

Material tested:KCL 741 Dermatril? L

Body Protection

Flame retardant antistatic protective clothing.

Respiratory protection

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type P3

The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

Control of environmental exposure

Do not let product enter drains. Risk of explosion.

Exposure limits

TLV-TWA 0.5 mg/m^3 (for soluble compounds) (ACGIH and MSHA); IDLH (for soluble compounds) 250 mg/m^3 (NIOSH). .

SECTION 9: Physical and chemical properties

Information on basic physicochemical properties

Appearance	Form: Pieces Color: gray
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	Melting point/range: 725 °C - lit.
Initial boiling point and boiling range	1.640 °C - lit.
Flash point	Not applicable
Evaporation rate	No data available
Flammability (solid, gas)	The substance or mixture is a flammable solid with the category 1.
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	3.51

Water solubility	No data available
Partition coefficient: n-octanol/water	Not applicable for inorganic substances
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
Explosive properties	No data available
Oxidizing properties	No data available
resistivity	50.0 µΩ-cm, 20°C

Other safety information

No data available

SECTION 10: Stability and reactivity

Reactivity

No data available

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

Possibility of hazardous reactions

No data available

Conditions to avoid

Heat. Moisture.

Incompatible materials

Oxidizing agents, Water, acids, Oxygen, Chlorinated solvents, Carbon dioxide (CO2), Halogens, Halogenated hydrocarbon, Alcohols, Sulfur compounds, Hydrogen sulfide gas

Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Oral
Skin corrosion/irritation
Causes severe burns. (ECHA)
Serious eye damage/eye irritation
No data available
Respiratory or skin sensitization
No data available
Germ cell mutagenicity
Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells
Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476
Result: negative
Test Type: Chromosome aberration test in vitro Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473
Result: negative
Test Type: Ames test

Test system: S. typhimurium
Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471
Result: negative

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Toxicity

An element; the heaviest of the stable alkaline earths. Barium sulfate is used as a diagnostic aid in radiology due to its radio-opaqueness and, because of its insolubility and lack of absorption, it is safe barring iatrogenic episodes. Poisoning usually results from deliberate or accidental ingestion of soluble barium compounds. The Ba2+ ion is a muscle poison due to the blocking of the K1 channels of the Na+/K+ pump in cell membranes. Because cases of barium poisoning are accompanied by severe hypokalemia, potassium infusion is an effective antidote. The toxicity of barium compounds depends on their solubility, with the free ion being readily absorbed from gastrointestinal tract or lung, whereas the sulfate is essentially unabsorbed. Thus, administration of soluble sulfates immediately after ingestion is another effective antidote.

SECTION 12: Ecological information

Toxicity

Toxicity to fish

static test LC50 - Danio rerio (zebra fish) - > 3,5 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

static test EC50 - Daphnia magna (Water flea) - 14,5 mg/l - 48 h Remarks: (ECHA)

Toxicity to algae

Growth inhibition ErC50 - Pseudokirchneriella subcapitata (green algae) - > 1,15 mg/l - 72 h
(OECD Test Guideline 201)

Toxicity to bacteria

static test EC50 - activated sludge - > 1.000 mg/l - 3 h (OECD Test Guideline 209)

Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

Biological effects:
Product reacts with water. Hazardous decomposition products Harmful effect due to pH shift.
Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

Waste treatment methods

Product

See www.retrologistik.com for processes regarding the return of chemicals and
containers, or contact us there if you have further questions.

Incompatibilities

Barium powder may spontaneously ignite on contact with air. It is a strong reducing agent and Barium 337 reacts violently with oxidizers and acids. Reacts with water, forming combustible hydrogen gas and barium hydroxide. Reacts violently with halogenated hydrocarbon solvents, causing a fire and explosion hazard.

Waste Disposal

Barium in solution (see spill handling) may be precipitated with soda ash and the sludge may be landfilled.

SECTION 14: Transport information

UN number

ADR/RID: 1400 IMDG: 1400 IATA: 1400

UN proper shipping name

ADR/RID: BARIUM IMDG: BARIUM
IATA: Barium

Transport hazard class(es)

ADR/RID: 4.3 IMDG: 4.3 IATA: 4.3

Packaging group

ADR/RID: II IMDG: II IATA: II

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Special precautions for user

No data available

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations on the Safety Management of Hazardous Chemicals

China Catalog of Hazardous chemicals 2015:Listed. website: https://www.mem.gov.cn/

Measures for Environmental Management of New Chemical Substances

Chinese Chemical Inventory of Existing Chemical Substances (China IECSC):Listed. website: https://www.mee.gov.cn/
EC Inventory:Listed.
European Inventory of Existing Commercial Chemical Substances (EINECS):Listed. website: https://echa.europa.eu/
Korea Existing Chemicals List (KECL):Listed. website: http://ncis.nier.go.kr
New Zealand Inventory of Chemicals (NZIoC):Listed. website: https://www.epa.govt.nz/
Philippines Inventory of Chemicals and Chemical Substances (PICCS):Listed. website: https://emb.gov.ph/
United States Toxic Substances Control Act (TSCA) Inventory:Listed. website: https://www.epa.gov/
Vietnam National Chemical Inventory:Listed. website: https://chemicaldata.gov.vn/

SECTION 16: Other information

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS: Chemical Abstracts Service
EC50: Effective Concentration 50%
IATA: International Air Transportation Association
IMDG: International Maritime Dangerous Goods
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
STEL: Short term exposure limit
TWA: Time Weighted Average

References

【1】CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple
【2】ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp
【3】ECHA - European Chemicals Agency, website: https://echa.europa.eu/
【4】eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en
【5】ERG - Emergency Response Guidebook by U.S. Department of Transportation, website: http://www.phmsa.dot.gov/hazmat/library/erg
【6】Germany GESTIS-database on hazard substance, website: http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp
【7】HSDB - Hazardous Substances Data Bank, website: https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm
【8】IARC - International Agency for Research on Cancer, website: http://www.iarc.fr/
【9】IPCS - The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home
【10】Sigma-Aldrich, website: https://www.sigmaaldrich.com/

Other Information

Reacts violently with fire extinguishing agents such as water, bicarbonate, powder, foam, and carbon dioxide.Rinse contaminated clothing with plenty of water because of fire hazard.

Disclaimer:
The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.

Recommended Products

Pigment Red 53:1 SDS BARIUM FOD, DIHYDRATE SDS Barium carbonate SDS Barium acetate SDS Barium hydroxide SDS Barium fluoride SDS BARIUM CHLORANILATE SDS Barium chloride SDS BARIUM ETHYLSULFATE SDS

SAFETY DATA SHEET

Revision Date 24-Dec-2021 **Revision Number** 4

1. Identification

Product Name **Cadmium**

Cat No. : **C3-500**

CAS No 7440-43-9
Synonyms No information available

Recommended Use Laboratory chemicals.
Uses advised against Food, drug, pesticide or biocidal product use.

Details of the supplier of the safety data sheet

Company
Fisher Scientific Company
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Emergency Telephone Number CHEMTREC®, Inside the USA: 800-424-9300
CHEMTREC®, Outside the USA: 001-703-527-3887

2. Hazard(s) identification

Classification
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable solids	Category 2
Acute oral toxicity	Category 4
Acute dermal toxicity	Category 4
Acute Inhalation Toxicity - Dusts and Mists	Category 2
Germ Cell Mutagenicity	Category 2
Carcinogenicity	Category 1A
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Target Organs - Respiratory system.	
Specific target organ toxicity - (repeated exposure)	Category 1
Target Organs - Kidney, Blood.	
Combustible dust	Yes

Label Elements

Signal Word

Danger

Hazard Statements
Flammable solid
May form combustible dust concentrations in air
Fatal if inhaled
Harmful if swallowed
Harmful in contact with skin
May cause respiratory irritation
Suspected of causing genetic defects
May cause cancer
Suspected of damaging fertility. Suspected of damaging the unborn child
Causes damage to organs through prolonged or repeated exposure

Precautionary Statements
Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting equipment
Response
IF exposed or concerned: Get medical attention/advice
Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a POISON CENTER or doctor/physician
Skin
IF ON SKIN: Wash with plenty of soap and water
Wash contaminated clothing before reuse
Call a POISON CENTER or doctor/physician if you feel unwell
Ingestion
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth
Fire
Fight fire with normal precautions from a reasonable distance
Evacuate area
Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed
Disposal
Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)
Very toxic to aquatic life with long lasting effects
WARNING. Cancer and Reproductive Harm - https://www.p65warnings.ca.gov/.

3. Composition/Information on Ingredients

Component	CAS No	Weight %
Cadmium	7440-43-9	100

4. First-aid measures

General Advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.

Ingestion Do NOT induce vomiting. Call a physician or poison control center immediately.

Most important symptoms and effects None reasonably foreseeable. . Kidney disorders: May cause harm to the unborn child: Blood disorders

Notes to Physician Treat symptomatically

5. Fire-fighting measures

Unsuitable Extinguishing Media No information available

Flash Point No information available
Method - No information available

Autoignition Temperature No information available

Explosion Limits
Upper No data available
Lower No data available
Sensitivity to Mechanical Impact No information available
Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical
Thermal decomposition can lead to release of irritating gases and vapors. Fine dust dispersed in air may ignite. Dust can form an explosive mixture with air. Pyrophoric properties of solids and liquids. Do not allow run-off from fire-fighting to enter drains or water courses.

Hazardous Combustion Products
Toxic fumes.
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

NFPA

Health	Flammability	Instability	Physical hazards
4	1	0	N/A

6. Accidental release measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust

formation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

Environmental Precautions Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

Methods for Containment and Clean Up Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

7. Handling and storage

Handling Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Avoid dust formation. Use only under a chemical fume hood. Do not breathe (dust, vapor, mist, gas). Do not ingest. If swallowed then seek immediate medical assistance.

Storage. Keep containers tightly closed in a dry, cool and well-ventilated place. Store under an inert atmosphere. Incompatible Materials. Strong oxidizing agents. Strong acids. Sulfur oxides.

8. Exposure controls / personal protection

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
Cadmium	TWA: 0.01 mg/m³ TWA: 0.002 mg/m³	Ceiling: 0.3 mg/m³ Ceiling: 0.6 mg/m³ (Vacated) STEL: 0.3 ppm TWA: 0.1 mg/m³ TWA: 0.2 mg/m³ TWA: 5 µg/m³	IDLH: 9 mg/m³	TWA: 0.01 mg/m³ TWA: 0.002 mg/m³

Legend

ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH IDLH: NIOSH - National Institute for Occupational Safety and Health

Engineering Measures Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures When using do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes or clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

9. Physical and chemical properties

Physical State Solid

Appearance	Silver
Odor	Odorless
Odor Threshold	No information available
pH	No information available
Melting Point/Range	321 °C / 609.8 °F
Boiling Point/Range	765 °C / 1409 °F @ 760 mmHg
Flash Point	No information available
Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	8.64 @ 25°C
Solubility	Insoluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	Cd
Molecular Weight	112.40

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable under recommended storage conditions. Moisture sensitive. Air sensitive.

Conditions to Avoid Incompatible products. Excess heat. Avoid dust formation. Exposure to air or moisture over prolonged periods.

Incompatible Materials Strong oxidizing agents, Strong acids, Sulfur oxides

Hazardous Decomposition Products Toxic fumes

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Cadmium	LD50 = 2330 mg/kg (Rat)	Not listed	LC50 = 25 mg/m³ (Rat) 30 min

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
Cadmium	7440-43-9	Group 1	Known	A2	X	A2

IARC (International Agency for Research on Cancer)	*IARC (International Agency for Research on Cancer)* *Group 1 - Carcinogenic to Humans* *Group 2A - Probably Carcinogenic to Humans* *Group 2B - Possibly Carcinogenic to Humans*
NTP: (National Toxicity Program)	*NTP: (National Toxicity Program)* *Known - Known Carcinogen* *Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen*
ACGIH: (American Conference of Governmental Industrial Hygienists)	*A1 - Known Human Carcinogen* *A2 - Suspected Human Carcinogen* *A3 - Animal Carcinogen* *ACGIH: (American Conference of Governmental Industrial Hygienists)*

Mutagenic Effects Possible risk of irreversible effects

Reproductive Effects Possible risk of impaired fertility. May cause harm to the unborn child.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure Respiratory system
STOT - repeated exposure Kidney Blood

Aspiration hazard No information available

Symptoms / effects,both acute and delayed Kidney disorders: May cause harm to the unborn child: Blood disorders

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

The product contains following substances which are hazardous for the environment. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Cadmium	Not listed	LC50: 0.0004 - 0.003 mg/L, 96h (Pimephales promelas) LC50: = 0.016 mg/L, 96h (Oryzias latipes) LC50: = 21.1 mg/L, 96h flow-through (Lepomis macrochirus) LC50: = 0.24 mg/L, 96h static (Cyprinus carpio) LC50: = 4.26 mg/L, 96h semi-static (Cyprinus carpio) LC50: = 0.002 mg/L, 96h	Not listed	EC50: = 0.0244 mg/L, 48h Static (Daphnia magna)

		(Cyprinus carpio) LC50: = 0.006 mg/L, 96h static (Oncorhynchus mykiss) LC50: = 0.003 mg/L, 96h flow-through (Oncorhynchus mykiss)		

Persistence and Degradability No information available

Bioaccumulation/ Accumulation No information available.

Mobility No information available.

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT

UN-No	UN2930
Proper Shipping Name	Toxic solid, flammable, organic, n.o.s.
Technical Name	Cadmium
Hazard Class	6.1
Subsidiary Hazard Class	4.1
Packing Group	I

TDG

UN-No	UN2930
Proper Shipping Name	Toxic solid, flammable, organic, n.o.s.
Hazard Class	6.1
Subsidiary Hazard Class	4.1
Packing Group	I

IATA

UN-No	UN2930
Proper Shipping Name	Toxic solid, flammable, organic, n.o.s.
Hazard Class	6.1
Subsidiary Hazard Class	4.1
Packing Group	I

IMDG/IMO

UN-No	UN2930
Proper Shipping Name	Toxic solid, flammable, organic, n.o.s.
Hazard Class	6.1
Subsidiary Hazard Class	4.1
Packing Group	I

15. Regulatory information

United States of America Inventory

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
Cadmium	7440-43-9	X	ACTIVE	-

Legend:
TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)
X - Listed
'-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Cadmium	7440-43-9	X	-	231-152-8	X	X		X	X	KE-04397

KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

U.S. Federal Regulations

SARA 313

Component	CAS No	Weight %	SARA 313 - Threshold Values %
Cadmium	7440-43-9	100	0.1

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act)

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
Cadmium	-	-	X	X

Clean Air Act

OSHA - Occupational Safety and Health Administration Not applicable

Component	Specifically Regulated Chemicals	Highly Hazardous Chemicals
Cadmium	5 µg/m³ TWA 2.5 µg/m³ Action Level	-

CERCLA This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Component	Hazardous Substances RQs	CERCLA EHS RQs
Cadmium	10 lb	-

California Proposition 65 This product contains the following Proposition 65 chemicals.

Component	CAS No	California Prop. 65	Prop 65 NSRL	Category
Cadmium	7440-43-9	Carcinogen Developmental Male Reproductive	0.05 µg/day	Developmental Carcinogen

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Cadmium	X	X	X	X	X

U.S. Department of Transportation

Reportable Quantity (RQ): Y
DOT Marine Pollutant N
DOT Severe Marine Pollutant N

U.S. Department of Homeland Security This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Authorisation/Restrictions according to EU REACH

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Cadmium	-	Use restricted. See item 72. (see link for restriction details) Use restricted. See item 23. (see link for restriction details) Use restricted. See item 28. (see link for restriction details) Use restricted. See item 75. (see link for restriction details)	SVHC Candidate list - 231-152-8 - Carcinogenic, Article 57a;Specific target organ toxicity after repeated exposure, Article 57(f) - human health

After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate.

https://echa.europa.eu/authorisation-list
https://echa.europa.eu/substances-restricted-under-reach
https://echa.europa.eu/candidate-list-table

Safety, health and environmental regulations/legislation specific for the substance or mixture

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Cadmium	7440-43-9	Listed	Not applicable	Not applicable	0.01% (Max. Conc.)

Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
Cadmium	7440-43-9	Not applicable	Not applicable	Not applicable	Annex I - Y26

16. Other information

Prepared By Regulatory Affairs
Thermo Fisher Scientific
Email: EMSDS.RA@thermofisher.com

Revision Date 24-Dec-2021
Print Date 24-Dec-2021
Revision Summary This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS

Chemical Safety Data Sheet MSDS / SDS

Chromium

Revision Date:2023-10-21 Revision Number:1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name	: Chromium
CBnumber	: CB7854190
CAS	: 7440-47-3
EINECS Number	: 231-157-5
Synonyms	: Chromium ,chrome

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	: For R&D use only. Not for medicinal, household or other use.
Uses advised against	: none

Company Identification

Company	: Chemicalbook
Address	: Building 1, Huihuang International, Shangdi 10th Street, Haidian District, Beijing
Telephone	: 400-158-6606

SECTION 2: Hazards identification

GHS Label elements, including precautionary statements

Symbol(GHS)

Signal word Warning

Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P240 Ground/bond container and receiving equipment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.

Hazard statements

H228 Flammable solid
H351 Suspected of causing cancer
H410 Very toxic to aquatic life with long lasting effects

Disposal

WARNING.Cancer - https://oehha.ca.gov/proposition-65/chemicals/chromium-hexavalent-compounds

SECTION 3: Composition/information on ingredients

Substance

Product name	: Chromium
Synonyms	: Chromium ,chrome
CAS	: 7440-47-3
EC number	: 231-157-5
MF	: Cr
MW	: 52

SECTION 4: First aid measures

Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Chromium oxides

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

Environmental precautions

No special environmental precautions required.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on protection against fire and explosion

Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures

General industrial hygiene practice. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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SECTION 8: Exposure controls/personal protection

control parameter

Hazard composition and occupational exposure limits
Does not contain substances with occupational exposure limits.

Exposure controls

Personal protective equipment
Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
Full contact
Material: Nitrile rubber
Minimum layer thickness: 0,11 mm Break through time: 480 min
Material tested:Dermatril? (KCL 740 / Aldrich Z677272, Size M)
Splash contact Material: Nitrile rubber
Minimum layer thickness: 0,11 mm Break through time: 480 min
Material tested:Dermatril? (KCL 740 / Aldrich Z677272, Size M)
data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

Exposure limits

TLV-TWA: chromium metal 0.5 mg/m^3 (ACGIH and MSHA), 1 mg/m^3 (OSHA); Cr(II) and Cr(III) compounds 0.5 mg/m^3 (ACGIH); Cr(VI) compounds, water soluble and certain water insoluble, 0.05 mg/m^3 (ACGIH).

SECTION 9: Physical and chemical properties

Information on basic physicochemical properties

Appearance	Form: chips Color: light gray
Odour	odorless
Odour Threshold	No data available
pH	<1 (H2O, 20°C)
Melting point/freezing point	Melting point/range: 1.857 °C - lit.
Initial boiling point and boiling range	2.672 °C - lit.
Flash point	Not applicable
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	7.2
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
Explosive properties	No data available
Oxidizing properties	No data available
resistivity	12.7 µΩ-cm, 20°C

Other safety information

No data available

SECTION 10: Stability and reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

Incompatible materials

Strong acids, Strong oxidizing agents

Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
No data available
Skin corrosion/irritation
No data available
Serious eye damage/eye irritation
No data available
Respiratory or skin sensitization
No data available
Germ cell mutagenicity
No data available
Carcinogenicity
No data available
Reproductive toxicity
No data available
Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeated exposure
No data available
Aspiration hazard
No data available
Toxicity
Elemental chromium and certain chromium compounds have been designated as carcinogens, hazardous substances, hazardous waste constituents, and priority toxic pollutants. Some of those compounds designated as hazardous are chromic acetate, chromic acid, chromic sulfate, and chromous chloride. Although chromium in the 6+ state is regarded as being the most carcinogenic, there are 6+ compounds that appear to be non-carcinogenic. In addition to their possible carcinogenicity, chromium compounds may have local allergic effects leading to dermatitis. Systemically, 6+ chromium compounds are irritants to the respiratory system and may give rise to pulmonary edema.

SECTION 12: Ecological information

Toxicity

Toxicity to fish
LC50 - Cyprinus carpio (Carp) - 14,3 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates
EC50 - Daphnia magna (Water flea) - 0,07 mg/l - 48 h

Persistence and degradability

The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulative potential

Bioaccumulation Oncorhynchus mykiss (rainbow trout) - 30 d
- 50 µg/l(chromium)

Bioconcentration factor (BCF): 1,03 - 1,22

Mobility in soil

No data available

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

No data available

SECTION 13: Disposal considerations

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.
Incompatibilities
Dust may be pyrophoric in air. Chromium metal (especially in finely divided or powder form) and insoluble salts reacts violently with strong oxidants, such as hydrogen peroxide, causing fire and explosion hazard. Reacts with diluted hydrochloric and sulfuric acids. Incompatible with alkalis and alkali carbonates
Waste Disposal
Recovery and recycling is a viable alternative to disposal for chromium in plating wastes; tannery wastes; cooling tower blowdown water and chemical plant wastes.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

UN number

ADR/RID: 3077 IMDG: 3077 IATA: 3077

UN proper shipping name

ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. () IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. () IATA: Environmentally hazardous substance, solid, n.o.s. ()

Transport hazard class(es)

ADR/RID: 9 IMDG: 9 IATA: 9

Packaging group

ADR/RID: III IMDG: III IATA: III

Environmental hazards

ADR/RID: yes IMDG Marine pollutant: yes IATA: yes

Special precautions for user

Further information

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations on the Safety Management of Hazardous Chemicals

China Catalog of Hazardous chemicals 2015:Not Listed. website: https://www.mem.gov.cn/

Measures for Environmental Management of New Chemical Substances

Chinese Chemical Inventory of Existing Chemical Substances (China IECSC):Listed. website: https://www.mee.gov.cn/

EC Inventory:Listed.

European Inventory of Existing Commercial Chemical Substances (EINECS):Listed. website: https://echa.europa.eu/

Korea Existing Chemicals List (KECL):Listed. website: http://ncis.nier.go.kr

New Zealand Inventory of Chemicals (NZIoC):Listed. website: https://www.epa.govt.nz/

Philippines Inventory of Chemicals and Chemical Substances (PICCS):Listed. website: https://emb.gov.ph/

United States Toxic Substances Control Act (TSCA) Inventory:Listed. website: https://www.epa.gov/

Vietnam National Chemical Inventory:Listed. website: https://chemicaldata.gov.vn/

SECTION 16: Other information

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstracts Service

EC50: Effective Concentration 50%

IATA: International Air Transportation Association

IMDG: International Maritime Dangerous Goods

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

STEL: Short term exposure limit

TWA: Time Weighted Average

References

【1】CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple

【2】ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp

【3】ECHA - European Chemicals Agency, website: https://echa.europa.eu/

【4】eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en

【5】ERG - Emergency Response Guidebook by U.S. Department of Transportation, website: http://www.phmsa.dot.gov/hazmat/library/erg

【6】Germany GESTIS-database on hazard substance, website: http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp

【7】HSDB - Hazardous Substances Data Bank, website: https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm

【8】IARC - International Agency for Research on Cancer, website: http://www.iarc.fr/

【9】IPCS - The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home

【10】Sigma-Aldrich, website: https://www.sigmaaldrich.com/

Other Information

The surface of the chromium particles is oxidized to chromium(III)oxide in air.See ICSC 1531.

Disclaimer:

The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.

Recommended Products

CHROMIUM (IC) OXALATE SDS Mordant Black 17 SDS Chromic chloride hexahydrate SDS Pyridinium chlorochromate SDS Chromium(VI) oxide SDS Potassium dichromate SDS Potassium chromate SDS Chromium SDS Chromium(III) oxide SDS Ammonium dichromate SDS

Chemical Safety Data Sheet MSDS / SDS

Lead

Revision Date:2023-04-30 Revision Number:1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name	: Lead
CBnumber	: CB9854174
CAS	: 7439-92-1
EINECS Number	: 231-100-4
Synonyms	: Pb,Lead

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	: For R&D use only. Not for medicinal, household or other use.
Uses advised against	: none

Company Identification

Company	: Chemicalbook
Address	: Building 1, Huihuang International, Shangdi 10th Street, Haidian District, Beijing
Telephone	: 400-158-6606

SECTION 2: Hazards identification

GHS Label elements, including precautionary statements

Symbol(GHS)

Signal word Danger

Precautionary statements

P405 Store locked up.
P391 Collect spillage. Hazardous to the aquatic environment
P322 Specific measures (see …on this label).
P308+P313 IF exposed or concerned: Get medical advice/attention.
P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P302+P352 IF ON SKIN: wash with plenty of soap and water.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P201 Obtain special instructions before use.

Hazard statements

H410 Very toxic to aquatic life with long lasting effects
H400 Very toxic to aquatic life
H373 May cause damage to organs through prolonged or repeated exposure
H360 May damage fertility or the unborn child
H351 Suspected of causing cancer

H350 May cause cancer
H332 Harmful if inhaled
H311 Toxic in contact with skin
H302 Harmful if swallowed
H301 Toxic if swalloed

SECTION 3: Composition/information on ingredients

Substance

Product name	: Lead
Synonyms	: Pb,Lead
CAS	: 7439-92-1
EC number	: 231-100-4
MF	: Pb
MW	: 207.2

SECTION 4: First aid measures

Description of first aid measures

General advice
Show this material safety data sheet to the doctor in attendance.
If inhaled
After inhalation: fresh air. Call in physician.
In case of skin contact
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.
In case of eye contact
After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.
If swallowed
After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture

Nature of decomposition products not known. Not combustible.
Ambient fire may liberate hazardous vapours.

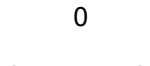
Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

Suppress (knock down) gases/vapors/mists with a water spray jet.

NFPA 704



◇ HEALTH	2	Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury (e.g. diethyl ether, ammonium phosphate, iodine)
◇ FIRE	0	Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand. Materials that will not burn in air when exposed to a temperature of 820 °C (1,500 °F) for a period of 5 minutes.(e.g. Carbon tetrachloride)
◇ REACT	0	Normally stable, even under fire exposure conditions, and is not reactive with water (e.g. helium,N2)
◇ SPEC. HAZ.		

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid generation and inhalation of dusts in all circumstances. Avoid substance contact. Ensure adequate ventilation.
Evacuate the danger area, observe emergency procedures, consult an expert.
For personal protection see section 8.

Environmental precautions

No special precautionary measures necessary.

Methods and materials for containment and cleaning up

Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Work under hood. Do not inhale substance/mixture.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.
For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

control parameter

Hazard composition and occupational exposure limits

Does not contain substances with occupational exposure limits.

Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate
government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm Break through time: 480 min

Material tested:KCL 741 Dermatril? L

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Splash contact Material: Nitrile rubber

Minimum layer thickness: 0,11 mm Break through time: 480 min

Material tested:KCL 741 Dermatril? L

Body Protection

protective clothing

Respiratory protection

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type P3

The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

Control of environmental exposure

No special precautionary measures necessary.

Exposure limits

TLV-TWA 0.15 mg/m^3 as Pb (ACGIH and MSHA), 0.05 mg (Pb)/m^3 (OSHA); 10-h TWA 0.1 mg(inorganic lead)/m^3 (NIOSH).

SECTION 9: Physical and chemical properties

Information on basic physicochemical properties

Appearance	Form: powder
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	Melting point: 326 °C at ca.1.013 hPa - OECD Test Guideline 102
Initial boiling point and boiling range	1.740 °C

Flash point	Not applicable
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	11,45 g/cm3 at 23,8 °C at 1.013 hPa - OECD Test Guideline 109 11,45 at 23,8 °C - OECD Test Guideline 109
Water solubility	0,185 g/l at 20 °C at 1.013 hPa - OECD Test Guideline 105- partly soluble
Partition coefficient: n-octanol/water	Not applicable for inorganic substances
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
Explosive properties	No data available
Oxidizing properties	No data available
resistivity	20.65 µΩ-cm

Other safety information

No data available

SECTION 10: Stability and reactivity

Reactivity

No data available

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

Possibility of hazardous reactions

Risk of explosion with:
azides picrates
ammonium nitrate Strong oxidizing agents Exothermic reaction with:
Fluorine
hydrogen peroxide
Generates dangerous gases or fumes in contact with: Nitric acid

Conditions to avoid

no information available

Incompatible materials

No data available

Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - male and female - > 2.000 mg/kg (OECD Test Guideline 423)
LC50 Inhalation - Rat - male and female - 4 h - > 5,05 mg/l (OECD Test Guideline 403)
LD50 Dermal - Rat - male and female - > 2.000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation
Skin - Rabbit
Result: No skin irritation - 4 h (OECD Test Guideline 404)
Serious eye damage/eye irritation
Eyes - Rabbit
Result: No eye irritation - 72 h (OECD Test Guideline 405)
Respiratory or skin sensitization
(OECD Test Guideline 406)
Germ cell mutagenicity
Test Type: Micronucleus test Species: Rat
Cell type: Red blood cells (erythrocytes) Application Route: Oral
Result: positive Remarks: (ECHA)
Test Type: comet assay Species: Mouse
Cell type: Liver cells Application Route: Inhalation
Result: negative Remarks: (ECHA)
Test Type: Micronucleus test Species: Mouse
Cell type: Bone marrow Application Route: Oral
Result: Positive results were obtained in some in vivo tests. Remarks: (ECHA)
Test Type: Chromosome aberration test in vitro Species: Monkey
Cell type: lymphocyte Application Route: Oral
Result: Positive results were obtained in some in vivo tests. Remarks: (ECHA)
Carcinogenicity
No data available
Reproductive toxicity
May damage the unborn child. Positive evidence from human epidemiological studies. May damage fertility. Positive evidence from human epidemiological studies. Studies indicating a hazard to babies during the lactation period
Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeated exposure
Oral - Causes damage to organs through prolonged or repeated exposure. - Central nervous system, Blood, Immune system, Kidney
Aspiration hazard
No data available
Toxicity
LDLO oral (pigeon)
160 mg/kg
PEL (OSHA)
0.05 mg/m3
PEL (action level)
0.03 mg/m3
TLV-TWA (ACGIH)
0.05 mg/m3
(PEL and TLV apply to lead and inorganic lead compounds)

SECTION 12: Ecological information

Toxicity

Toxicity to fish
static test LC50 - Oncorhynchus mykiss (rainbow trout) - 0,1 mg/l - 96 h
Remarks: (ECHA)

Toxicity to algae
mortality EC50 - Skeletonema costatum - 7,94 mg/l - 10 d Remarks: (ECOTOX Database)
(Lead)

Persistence and degradability

Biodegradability Result: - According to the results of tests of biodegradability this product is not readily biodegradable.

Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulative potential

Bioaccumulation Oncorhynchus kisutch - 2 Weeks
- 150 µg/l(Lead)

Bioconcentration factor (BCF): 12

Mobility in soil

No data available

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

Waste treatment methods

Product

See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.
Incompatibilities
Violent reactions of lead with sodium azide, zirconium, sodium acetylide, and chlorine trifluoride have been reported. Reactivity of lead compounds varies depending on structure.
Waste Disposal
Excess lead and waste material containing this substance should be placed in an appropriate container, clearly labeled, and handled according to your institution's waste disposal guidelines. For more information on disposal procedures, see Chapter 7 of this volume.

SECTION 14: Transport information

UN number

ADR/RID: 2291 IMDG: 2291 IATA: 2291

UN proper shipping name

ADR/RID: LEAD COMPOUND, SOLUBLE, N.O.S. (Lead) IMDG: LEAD COMPOUND, SOLUBLE, N.O.S. (Lead)
IATA: Lead compound, soluble, n.o.s. (Lead)

Transport hazard class(es)

ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1

Packaging group

ADR/RID: III IMDG: III IATA: III

Environmental hazards

ADR/RID: yes IMDG Marine pollutant: yes IATA: no

Special precautions for user

No data available

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations on the Safety Management of Hazardous Chemicals

China Catalog of Hazardous chemicals 2015:Not Listed. website: https://www.mem.gov.cn/

Measures for Environmental Management of New Chemical Substances

Chinese Chemical Inventory of Existing Chemical Substances (China IECSC):Listed. website: https://www.mee.gov.cn/

EC Inventory:Listed.

European Inventory of Existing Commercial Chemical Substances (EINECS):Listed. website: https://echa.europa.eu/

Korea Existing Chemicals List (KECL):Listed. website: http://ncis.nier.go.kr

New Zealand Inventory of Chemicals (NZIoC):Listed. website: https://www.epa.govt.nz/

Philippines Inventory of Chemicals and Chemical Substances (PICCS):Listed. website: https://emb.gov.ph/

United States Toxic Substances Control Act (TSCA) Inventory:Listed. website: https://www.epa.gov/

Vietnam National Chemical Inventory:Listed. website: https://chemicaldata.gov.vn/

SECTION 16: Other information

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstracts Service

EC50: Effective Concentration 50%

IATA: International Air Transportation Association

IMDG: International Maritime Dangerous Goods

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

STEL: Short term exposure limit

TWA: Time Weighted Average

References

【1】CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple

【2】ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp

【3】ECHA - European Chemicals Agency, website: https://echa.europa.eu/

【4】eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en

【5】ERG - Emergency Response Guidebook by U.S. Department of Transportation, website: http://www.phmsa.dot.gov/hazmat/library/erg

【6】Germany GESTIS-database on hazard substance, website: http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp

【7】HSDB - Hazardous Substances Data Bank, website: https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm

【8】IARC - International Agency for Research on Cancer, website: http://www.iarc.fr/

【9】IPCS - The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home

【10】Sigma-Aldrich, website: https://www.sigmaaldrich.com/

Other Information

Depending on the degree of exposure, periodic medical examination is suggested.Do NOT take working clothes home.

Disclaimer:

The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.

Recommended Products

LEAD(II) THIOCYANATE SDS Lead(II) chloride SDS LEAD(II) BROMIDE SDS Lead(II) iodide SDS Lead monoxide SDS Lead(II) nitrate SDS BIS(2,2,6,6-TETRAMETHYL-3,5-HEPTANEDIONATO)LEAD(II) SDS LEAD(II) TETRAKIS(4-CUMYLPHENOXY)- SDS Chromium(III) oxide SDS Lead dioxide SDS

Chemical Safety Data Sheet MSDS / SDS

Polychlorinated Biphenyls (PCBs)

Revision Date:2023-05-06 Revision Number:1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name	: Polychlorinated Biphenyls (PCBs)
CBnumber	: CB7160460
CAS	: 1336-36-3
EINECS Number	: 215-648-1
Synonyms	: Polychlorinated biphenyls,Pyranol

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	: For R&D use only. Not for medicinal, household or other use.
Uses advised against	: none

Company Identification

Company	: Chemicalbook
Address	: Building 1, Huihuang International, Shangdi 10th Street, Haidian District, Beijing
Telephone	: 400-158-6606

SECTION 2: Hazards identification

Classification of the substance or mixture

Specific target organ toxicity – repeated exposure, Category 2
Hazardous to the aquatic environment, short-term (Acute) - Category Acute 1
Hazardous to the aquatic environment, long-term (Chronic) - Category Chronic 1

Label elements

Pictogram(s)

Signal word Warning

Hazard statement(s)

H373 May cause damage to organs through prolonged or repeated exposure
H410 Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.

Response

P319 Get medical help if you feel unwell.
P391 Collect spillage.

Storage

none

Disposal

P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards

no data available

SECTION 3: Composition/information on ingredients

Substance

Product name	: Polychlorinated Biphenyls (PCBs)
Synonyms	: Polychlorinated biphenyls,Pyranol
CAS	: 1336-36-3
EC number	: 215-648-1
MF	: N/A
MW	: 0

SECTION 4: First aid measures

Description of first aid measures

If inhaled

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

Following skin contact

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

Following eye contact

Rinse with pure water for at least 15 minutes. Consult a doctor.

Following ingestion

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed

no data available

Indication of any immediate medical attention and special treatment needed

If PCB-containing substances have been ingested recently, gastric decontamination may be reasonable. Activated charcoal has not been proven beneficial, but is not contraindicated.

SECTION 5: Firefighting measures

Extinguishing media

Use dry chemical, carbon dioxide, or alcohol foam extinguishers. Vapors are heavier than air and will collect in low areas. Vapors in confined areas may explode when exposed to fire. Containers may explode in fire. Storage containers and parts of containers may rocket great distances, in many directions. If material or contaminated runoff enters waterways, notify downstream users of potentially contaminated waters. Notify local health and fire officials and pollution control agencies. From a secure, explosion-proof location, use water spray to cool exposed containers. If cooling streams are ineffective (venting sound increases in volume and pitch, tank discolors, or shows any signs of deforming), withdraw immediately to a secure position ... The only respirators recommended for fire fighting are self-contained breathing apparatuses that have full facepieces and are operated in a pressure-demand or other positive pressure mode.

Specific Hazards Arising from the Chemical

no data available

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

NFPA 704

◇ HEALTH	2	Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury (e.g. diethyl ether, ammonium phosphate, iodine)
◇ FIRE	1	Materials that require considerable preheating, under all ambient temperature conditions, before ignition and combustion can occur. Includes some finely divided suspended solids that do not require heating before ignition can occur. Flash point at or above 93.3 °C (200 °F). (e.g. mineral oil, ammonia)
◇ REACT	0	Normally stable, even under fire exposure conditions, and is not reactive with water (e.g. helium,N2)
◇ SPEC. HAZ.		

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapours.Avoid contacting with skin and eye. Use personal protective equipment.Wear chemical impermeable gloves. Ensure adequate ventilation.Remove all sources of ignition. Evacuate personnel to safe areas.Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Dry sand or earth should be spread on the leak, or spill area. ...

SECTION 7: Handling and storage

Precautions for safe handling

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

Conditions for safe storage, including any incompatibilities

PCB material should be stored in closed containers, in ventilated areas ... PCB's should be handled in isolated areas of the plant, where efficient ventilation systems remove airborne PCB's. ...

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational Exposure limit values

Component	1,1'-Biphenyl, chloro derivs.			
CAS No.	1336-36-3			
	Limit value - Eight hours		**Limit value - Short term**	
	ppm	**mg/m^3**	**ppm**	**mg/m^3**

Component	1,1'-Biphenyl, chloro derivs.			
CAS No.	1336-36-3			
Canada - Ontario	?	0,05 (1)	?	?
Denmark	?	0,01	?	0,02
Finland	?	0,003 (1)	?	?
Germany (DFG)	?	0,003 (1)(2)(3)(5)	?	0,024 (1)(2)(3)(4)(5)
Hungary	?	POP	?	?
Ireland	?	0,1	?	?
Japan	?	0,01	?	?
Japan - JSOH	?	0,01	?	?
Latvia	?	1	?	?
New Zealand	?	0,1	?	?
Poland	?	1	?	?
Sweden	?	0,01	?	0,03 (1)
Switzerland	0,05	0,5	0,4	4
United Kingdom	?	0,1	?	?
	Remarks			
Canada - Ontario	(1) as sum of components assayed by chromatographic procedure with reference of the bulk sample			
Finland	(1) Total PCB = 5*([PCB 28] + [PCB 52] + [PCB 101] + [PCB 138] + [PCB 153] + [PCB 180])			
Germany (AGS)	(1) 42% Chlorine (CAS-No. 53469-21-9) (2) 54% Chlorine (CAS-No. 11097-69-1)			
Germany (DFG)	(1) Only for chlorinated biphenyls with Cl			
Hungary	POP Persistent Organic Pollutant			
Sweden	(1) Short-term value, 15 minutes average value			

Biological limit values

no data available

Exposure controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

Individual protection measures

Eye/face protection

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

Skin protection

Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

Thermal hazards

no data available

SECTION 9: Physical and chemical properties

Information on basic physicochemical properties

Physical state	no data available
Colour	Vary from mobile oily liquids to white crystalline solids and hard noncrystalline resins.
Odour	Practically odorless; mild aromatic odor
Melting point/freezing point	no data available
Boiling point or initial boiling point and boiling range	340 ~ 375
Flammability	no data available
Lower and upper explosion limit/flammability limit	no data available
Flash point	195(O.C)
Auto-ignition temperature	no data available

Decomposition temperature	no data available
pH	no data available
Kinematic viscosity	no data available
Solubility	Solubility in water is extremely low; soluble in oils and organic solvents.
Partition coefficient n-octanol/water	... literature Kow values will vary. These increase with increasing chlorination. log Kow values at 25 deg C: 3.76 (biphenyl); 5.7 (Cl4-PCB's); 6.0 (Cl5-PCB's); 7.0 (Cl6-PCB's); 8.26 (Cl10-PCB's).
Vapour pressure	2.04E-07mmHg at 25°C
Density and/or relative density	1.44(30°C)
Relative vapour density	no data available
Particle characteristics	no data available

SECTION 10: Stability and reactivity

Reactivity

NIOSH considers chlorodiphenyl containing 54% chlorine to be a potential occupational carcinogen. Aroclor 1254
NIOSH considers chlorodiphenyl containing 54% chlorine to be a potential occupational carcinogen. Aroclor 1254

Chemical stability

PCB's are chemically very inert and are stable to conditions of hydrolysis and oxidation in industrial use. Photochemical degradation may be one route of their breakdown in the environment. ...

Possibility of hazardous reactions

Flame resistant.

Conditions to avoid

no data available

Incompatible materials

Liquid chlorine reacts exothermically with polychlorinated biphenyl heat transfer liquid. Polychlorinated biphenyl

Hazardous decomposition products

When heated to decomposition it emits toxic fumes of Chloride.

SECTION 11: Toxicological information

Acute toxicity

Oral: LD50 Mouse (C57B1/6J) male oral 19 mg/kg/28 day
Inhalation: no data available
Dermal: no data available

Skin corrosion/irritation

no data available

Serious eye damage/irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

EPA: Possibly carcinogenic to humans, IARC: Probably carcinogenic to humans, NTP: Known to be a human carcinogen

Reproductive toxicity

An epidemiological study of women occupationally exposed to high levels of PCBs suggested a relationship between PCB exposure and reduced birth weight and shortened gestational age of their babies; however, limitations of the study limit the strength of the conclusion. Two series of human studies that investigated exposure to PCBs through the consumption of contaminated fish suggest that exposure to PCBs may cause developmental effects in humans. Both studies reported an association between consumption of fish with high PCB levels by pregnant women and an increased incidence of neurodevelopmental effects, such as motor deficits at birth, impaired psychomotor index, impaired visual recognition, and deficits in short-term memory in infants. Human studies are not conclusive on the reproductive effects of PCBs. One study of men who were occupationally exposed to PCBs showed no fertility abnormalities, while another study of men with low sperm counts found elevated levels of PCBs in the blood and an association between certain PCB compounds in semen and decreased sperm motility. Animal studies have reported developmental effects, such as learning deficits, impaired immune functions, focal liver necrosis, and cellular alterations of the thyroid, in the offspring of animals exposed orally to PCBs. Reproductive effects, such as decreased fertility, decreased conception, and prolonged menstruation have also been noted in animal studies of dietary PCB exposures.

STOT-single exposure

no data available

STOT-repeated exposure

no data available

Aspiration hazard

no data available

SECTION 12: Ecological information

Toxicity

Toxicity to fish: no data available
Toxicity to daphnia and other aquatic invertebrates: no data available
Toxicity to algae: EC50; Species: Pseudokirchneriella subcapitata (green algae); Conditions: freshwater, static, 22 deg C; Concentration: 182 nmol/L for 48 hr; Effect: decreased population biomass />98% pure
Toxicity to microorganisms: no data available

Persistence and degradability

AEROBIC: The microbial mineralization of three chlorophenols and a PCB mixture was studied using natural bacterial assemblages in laboratory model systems. The systems consisted of water and surface sediment from two lake types: one with a high content of humic substances and the other with a low content. Final PCB concentration in the model systems was 38 ug/L. Aerobic mineralization of the (14)C-ring-labelled compounds was determined as production of (14)CO2 in the systems over the course of 60 days. Mineralization of PCBs in the systems was low compared to the aromatics. The breakdown of PCB was 0.047 nM in the humic cultures and 0.052 nM in cultures from the clear water lake. The avg mineralization rates of PCBs over the 60 day test period for the clear-water and humic cultures were 1.1 and 1.2 pM/day. More than 90% of the PCBs adsorbed to the sediment, while <1% was found in the water phase.

Bioaccumulative potential

Polychlorinated biphenyls (PCBs) are highly lipophilic and bioconcentrate in tissue from concentrations in water ...

Mobility in soil

PCB mobility in aqueous soil-sediment systems has reported experimental Koc values ranging from 510 to 13,300,000 for a variety of Aroclors and PCB congeners; reported Koc values were mostly above 5000(1). Reviews of the PCB mobility literature have found that adsorption of PCBs to soil and sediment generally increases with an increase in the degree of chlorination(2,3). Organic solvents, found at hazardous waste sites, will also increase the solubility and mobility of PCBs(3). Using soil TLC, column leaching and five different soils, PCBs were found to be generally immobile when leached with water or aqueous landfill leachate, but highly mobile when leached with organic solvents(4). PCB fluids can penetrate and travel through the cracks and other connected void spaces found in soil formations(5). In the presence of organic material dissolved from soil, the water solubility of PCBs increases which may augment its leachability. Environmental releases of PCBs often accompany releases of carrier materials from utility equipment. The PCBs that are present in the mineral oil-PCB mixture become even less water soluble than before. This is due to the PCB partitioning into the mineral oil and the reduced interaction of the PCBs with

precipitation or groundwater caused by the hydrophobic nature of the oil matrix. The volatility of PCBs also affects their migration through the soil profile. Researchers have carried out simulations that indicate that PCBs can volatilize beneath the soil surface and potentially migrate through several meters of soil cover(5).

Other adverse effects

no data available

SECTION 13: Disposal considerations

Disposal methods

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

SECTION 14: Transport information

UN Number

ADR/RID: Not dangerous goods. (For reference only, please check.)
IMDG: Not dangerous goods. (For reference only, please check.)
IATA: Not dangerous goods. (For reference only, please check.)

UN Proper Shipping Name

ADR/RID: Not dangerous goods. (For reference only, please check.)
IMDG: Not dangerous goods. (For reference only, please check.)
IATA: Not dangerous goods. (For reference only, please check.)

Transport hazard class(es)

ADR/RID: Not dangerous goods. (For reference only, please check.)
IMDG: Not dangerous goods. (For reference only, please check.)
IATA: Not dangerous goods. (For reference only, please check.)

Packing group, if applicable

ADR/RID: Not dangerous goods. (For reference only, please check.)
IMDG: Not dangerous goods. (For reference only, please check.)
IATA: Not dangerous goods. (For reference only, please check.)

Environmental hazards

ADR/RID: Yes
IMDG: Yes
IATA: Yes

Special precautions for user

no data available

Transport in bulk according to IMO instruments

no data available

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

European Inventory of Existing Commercial Chemical Substances (EINECS)
Listed.
EC Inventory
Listed.
United States Toxic Substances Control Act (TSCA) Inventory
Listed.
China Catalog of Hazardous chemicals 2015
Not Listed.
New Zealand Inventory of Chemicals (NZIoC)
Not Listed.
PICCS
Listed.
Vietnam National Chemical Inventory
Listed.
IECSC
Listed.
Korea Existing Chemicals List (KECL)
Listed.

SECTION 16: Other information

Abbreviations and acronyms

CAS: Chemical Abstracts Service
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
IMDG: International Maritime Dangerous Goods
IATA: International Air Transportation Association
TWA: Time Weighted Average
STEL: Short term exposure limit
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
EC50: Effective Concentration 50%

References

IPCS - The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home
HSDB - Hazardous Substances Data Bank, website: https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm
IARC - International Agency for Research on Cancer, website: http://www.iarc.fr/
eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en
CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple
ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp
ERG - Emergency Response Guidebook by U.S. Department of Transportation, website: http://www.phmsa.dot.gov/hazmat/library/erg
Germany GESTIS-database on hazard substance, website: http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp
ECHA - European Chemicals Agency, website: https://echa.europa.eu/

Disclaimer:
The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.

Recommended Products

Aluminum acetylacetonate SDS METHYL ISOCYANOACETATE SDS N-BUTYLISOCYANIDE SDS PHENYLSELENOL SDS DICHLORO(ETHYLENEDIAMINE)PLATINUM(II) SDS Tosylmethyl isocyanide SDS Cupric acetylacetonate SDS Ethyl isocyanoacetate SDS TERT-BUTYL ISOCYANIDE SDS Ferric acetylacetonate SDS

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Asbestos Safety Data Sheets

Characteristics

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SAFETY DATA SHEETS

According to the UN GHS revision 8

Creation
Revision

SECTION 1: Identification

1.1 GHS Product identifier

Product name [Name confidential or not available]

1.2 Other means of identification

Product number -
Other names -

1.3 Recommended use of the chemical and restrictions on use

Identified uses Industrial and scientific research uses.
Uses advised against no data available

1.4 Supplier's details

Company Echemi.com
Address Echemi.com
Telephone Echemi.com

1.5 Emergency phone number

Emergency phone number Echemi.com
Service hours Monday to Friday, 9am-5pm (Standard time zone: UTC/GMT +8 hours).

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Carcinogenicity, Category 1A

2.2 GHS label elements, including precautionary statements

Pictogram(s)

Signal word Danger
Hazard statement(s) H350 May cause cancer
Precautionary statement(s)
Prevention P203 Obtain, read and follow all safety instructions before use.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
Response P318 IF exposed or concerned, get medical advice.
Storage P405 Store locked up.
Disposal P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

2.3 Other hazards which do not result in classification

no data available

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical name	Common names and synonyms	CAS number	EC number	Concentrat
[Name confidential or not available]	[Name confidential or not available]	1332-21-4	603-721-4	?%

SECTION 4: First-aid measures

TOP
RFQ
Help

4.1 Description of necessary first-aid measures

If inhaled

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscit the victim ingested or inhaled the chemical.

Following skin contact

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

Following eye contact

Rinse with pure water for at least 15 minutes. Consult a doctor.

Following ingestion

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

4.2 Most important symptoms/effects, acute and delayed

no data available

4.3 Indication of immediate medical attention and special treatment needed, if necessary

no data available

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use dry chemical, carbon dioxide or alcohol-resistant foam.

5.2 Specific hazards arising from the chemical

no data available

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapours.Avoid contacting with skin and eye. Use personal protective equipment.Wear chemical impermeable gloves. Ensure adec ventilation.Remove all sources of ignition. Evacuate personnel to safe areas.Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof eq t Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Preve c by electrostatic discharge steam.

7.2 Conditions for safe storage, including any incompatibilities

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values

no data available

Biological limit values

no data available

8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

Skin protection

Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

Thermal hazards

no data available

SECTION 9: Physical and chemical properties and safety characteristics

Physical state	no data available
Colour	no data available
Odour	no data available
Melting point/freezing point	no data available
Boiling point or initial boiling point and boiling range	no data available
Flammability	no data available

TOP
RFQ

Lower and upper explosion limit/flammability limit	no data available
Flash point	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
pH	no data available
Kinematic viscosity	no data available
Solubility	no data available
Partition coefficient n-octanol/water	no data available
Vapour pressure	no data available
Density and/or relative density	no data available
Relative vapour density	no data available
Particle characteristics	no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

no data available

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

Acute toxicity

Oral: no data available
Inhalation: no data available
Dermal: no data available

Skin corrosion/irritation

no data available

Serious eye damage/irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT-single exposure

no data available

STOT-repeated exposure

no data available

Aspiration hazard

no data available

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish: no data available
Toxicity to daphnia and other aquatic invertebrates: no data available
Toxicity to algae: no data available
Toxicity to microorganisms: no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1 Disposal methods

Product

TOP
RFQ

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

SECTION 14: Transport information

14.1 UN Number

ADR/RID: UN2212 (For reference only, please check.) IMDG: UN2212 (For reference only, please check.) IATA: UN2212 (For reference only, please check.)

14.2 UN Proper Shipping Name

ADR/RID: ASBESTOS, AMPHIBOLE (amosite, tremolite, actinolite, anthophyllite, crocidolite) (For reference only, please check.) IMDG: ASBESTOS, AMPHIBOLE (amosite, tremolite, actinolite, anthophyllite, crocidolite) (For reference only, please check.) IATA: ASBESTOS, AMPHIBOLE (amosite, tremolite actinolite, anthophyllite, crocidolite) (For reference or please check.)

14.3 Transport hazard class(es)

ADR/RID: 9 (For reference only, please check.) IMDG: 9 (For reference only, please check.) IATA: 9 (For reference only, please check.)

14.4 Packing group, if applicable

ADR/RID: II (For reference only, please check.) IMDG: II (For reference only, please check.) IATA: II (For reference only, please check.)

14.5 Environmental hazards

ADR/RID: No IMDG: No IATA: No

14.6 Special precautions for user

no data available

14.7 Transport in bulk according to IMO instruments

no data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS number	EC nu
[Name confidential or not available]	[Name confidential or not available]	1332-21-4	603-7
European Inventory of Existing Commercial Chemical Substances (EINECS)			Not Li
EC Inventory			Not Li
United States Toxic Substances Control Act (TSCA) Inventory			List
China Catalog of Hazardous chemicals 2015			t
New Zealand Inventory of Chemicals (NZIoC)			t
Philippines Inventory of Chemicals and Chemical Substances (PICCS)			t
Vietnam National Chemical Inventory			t
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)			t
Korea Existing Chemicals List (KECL)			t

SECTION 16: Other information

Information on revision

Creation Date July 15, 2019
Revision Date July 15, 2019

Abbreviations and acronyms

CAS: Chemical Abstracts Service
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
IMDG: International Maritime Dangerous Goods
IATA: International Air Transportation Association
TWA: Time Weighted Average
STEL: Short term exposure limit
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
EC50: Effective Concentration 50%

References

IPCS - The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home
HSDB - Hazardous Substances Data Bank, website: https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm
IARC - International Agency for Research on Cancer, website: http://www.iarc.fr/
eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en
CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple
ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp
ERG - Emergency Response Guidebook by U.S. Department of Transportation, website: http://www.phmsa.dot.gov/hazmat/library/erg
Germany GESTIS-database on hazard substance, website: http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp
ECHA - European Chemicals Agency, website: https://echa.europa.eu/

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. W supplier shall not be held liable for any damage resulting from handling or from contact with the above product.

TOP
RFQ

Related Products

Methanesulfonic anhydride

98.0% Methanesulfonic anhydride; CAS 714...

Factory supply 99% high quality low price M...

Methanesulfonic Anhydride

Methanesulfonic anhydride

Industry News

•EWG Applauds Bill to Warn of Asbestos in ...
•ECHEMI平台投诉处罚规则 - ECHEMI platfor...
•Cellulose Ether Market Analysis: Pharmaceu...
•USDA Report Suggests Coro
•Hengrui Pharmaceutical's innovative drug ...

More Safety Data Sheets

Arginyl-arginyl-prolyl-tyrosyl-isoleucyl-leuci...
1H-INDAZOLE-7-CARBOXYLIC ACID SDS
N-(2-Methyl-5-nitrophenyl)-4-(3-pyridinyl)-...
1,1′-[(4R)-[4,4′-Bi-1,3-benzod
Gabapentin SDS
2-Bromo-1-cyclopropylethanone SDS
Methyl 4-[2-(2-amino-4,7-dihydro-4-oxo-3H...
1-Isopropyl-5-(4,4,5,5-tetram
4-Morpholinepropanesulfonic acid, sodium ...
Tris(3,5-di-tert-butyl-4-hydroxybenzyl) isocy...

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China's Top 100 Industrial Digitalization Enterprises List
The Drafting Unit of the "Specification for Operation and Management of Self-build Cross-border E-commerce Website" of the CCPIT

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6.02 TASK HAZARD ANALYSIS (THA) FORM

THA Title:		THA ID #:	Date: ☐ New ☐ Revised
Work Activity:		Risk Code (Table Page 2):	Division:
Person Preparing THA:		Person Assisting with THA:	
Sequence of Steps or Activities	Materials, Equipment & Tools Needed	Hazards	Recommended Controls Measures / PPE/ Training
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Risk Assessment Codes (RACs) Likelihood & Severity Classification			
Likelihood of Harm (People, Environment, Facility)	**Severity of Harm/Consequences** (People, Environment, Facility, Supply Chain Disruption, Brand Impact)		
	Slight Harm	**Moderate Harm**	**Extreme Harm**
Very Unlikely	Very low risk	Very low risk	High risk
Unlikely	Very low risk	Medium risk	Very high risk
Likely	Low risk	Medium risk	Very high risk
Very Likely	Low risk	High risk	Very high risk
Definitions			
Likelihood of Harm Categories: -Very Unlikely: Will not occur except in rare instances under certain conditions -Unlikely: Typically would not occur -Likely: May occur on a regular basis -Very Likely: Will occur in most instances	Severity of Harm Categories: -Slight harm: Only first aid required -Moderate harm: Injury or illness resulting in inability to work for a short period of time -Extreme harm: Death or serious injury or illness resulting in inability to work indefinitely		

PREPARATION SIGN OFF			
Role	Name	Signature	Date
Preparer			
Reviewer with Relevant Task Technical Experience or Safety Expertise			
Safety Manager – Needed for High Risk or Very High Risk THAs			

ACKNOWLEDGEMENT IF THA IS USED AS A TRAINING RESOURCE By signing I am indicating that I have read and understand the contents of this Task Hazard Assessment and the controls required to mitigate the risks from identified hazards.			
Name	Signature	Company	Date

New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the

work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50^{o} C (14 to 122^{o} F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see Paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.

Special Requirements CAMP

1. When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

2. If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be pre-determined). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.

3. If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m_3, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m_3 or less at the monitoring point.

4. Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Especially if machinery with internal combustion engines are utilized for indoor work. Response levels and actions should be pre-determined, as necessary, for each site.

5. Unless a self-contained, negative-pressure enclosure with proper emission controls will encompass the work area, all individuals not directly involved with the planned work must be absent from the room in which the work will occur. Monitoring requirements shall be as stated above under "Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures" except that in this instance "nearby/occupied structures" would be adjacent occupied rooms. Additionally, the location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, should be understood and the monitoring locations established accordingly. In these situations, it is strongly recommended that exhaust fans or other engineering controls be used to create negative air pressure within the work area during remedial activities. Additionally, it is strongly recommended that the planned work be implemented during hours (e.g. weekends or evenings) when building occupancy is at a minimum.

6.08 PRE-JOB SAFETY TAILGATE/TOOLBOX MEETING FORM

Date		Time	
Location or Address		Temperature	
Project Number		Humidity	
Conducted by		Conditions	
Were all workers reminded that COVID is still prevalent and that appropriate measures should be taking to prevent infection of themselves and others?			Yes ☐ No ☐

911	**If 911 is unavailable at this location, please state the procedure for reporting emergencies** _____

List Safety Topic of Discussion and/or Any Specific Hazards for the Work Being Performed Today	
1	
2	
3	
4	
5	
6	
7	
List Control Measures for Each Specific Hazard Listed Above	
1	
2	
3	
4	
5	
6	
7	

PLEASE SIGN THE BACK OF THIS SHEET

The presenter and all attendees shall print and sign in the appropriate areas on the back of this sheet

By signing, you declare that you understand the information presented in today's meeting, and that you have had the opportunity to ask questions and to clarify any uncertainty regarding such information.

All Visitors and Contractors Must Print Their Company Name

Name	Signature	Company

PART A – INCIDENT/LOSS MANAGEMENT REPORTING SCHEDULE

Event	Form(s) Required	Action
Property damage to company property (including Fleet vehicles) **OR** Damage to non-company property by company employee	All cases: LaBella's Online Incident/Near-Miss/ Hazard Reporting Form ("Online Reporting Form") **or** Part B- Incident/Near-Miss Hazard Report ("Part B: Employee Rpt.") from the Safety Manual 6.01 Incident/Near Miss/Hazard Report Package. Include photos. Losses greater than $5,000: Online Reporting Form or Part B: Employee Rpt. Part C: Supervisor Invest/Analysis Report Part D: Witness Statement Form Photos, Diagrams, Maps, etc. **In addition to insurance forms	Immediate verbal notification to Supervisor and Online Reporting Form within 24 hours Send Parts B, C and D to Safety Manager as soon as possible but within 2-4 business days.
Near Miss Incidents: Low* potential for significant injury or property damage Moderate* or High* potential for significant injury or property damage *Category to be determined by Safety Manager	All cases: Online Reporting Form or Part B: Employee Report Online Reporting Form or Part B: Employee Rpt. Online Reporting Form/Part B: Employee Rpt. Part C: Supervisor Invest. & Analysis Report Part D: Witness Statement Form Photos, Diagrams, Maps, etc.	Same-day verbal notification to Supervisor Send to Safety Manager and HR within 24 hours. Send Parts C and D to Safety Manager as soon as possible but within 2-4 business days.
Employee Injury or Illness: Minor injury (first aid treatment/non-OSHA recordable) Serious Injury (employee received medical treatment/lost days away from work, or required job restriction or transfer) Catastrophes (examples: fatality, multiple persons injured)	All cases: Online Reporting Form or Part B – Employee Report Online Reporting Form or Part B: Employee Rpt. Online Reporting Form or Part B: Employee Rpt. Part C: Supervisor Invest. & Analysis Report Part D: Witness Statement Form Photos, Diagrams, Maps, etc. Above documentation plus additional documentation as requested Health and Safety Manager or Senior Management **In addition to insurance forms	Immediate verbal notification to Supervisor and/or Field Supervisor (in all cases). Send to Safety Manager and HR within 24 hours. Send Parts C and D to Safety Manager as soon as possible but within 2-4 business days. IMMEDIATELY call Safety Manager and Vice President of Operations (24/7).
Incidents Involving Personnel Other than LaBella (example: subcontractors)	Part C: Supervisor Invest. & Analysis Report Part D: Witness Statement Form Photos, Diagrams, Maps, etc.	Same verbal reporting requirements as employees.

PART B - INCIDENT/ NEAR MISS / HAZARD REPORT

Completed by Employee with Supervisor

Complete all fields. Be as specific as possible and include drawings, photos, additional narrative, as needed.

Person Submitting Form:	Name of Affected Employee:	Employee's Supervisor:
Employee's Division Director:	Employee's Home Office Location:	Date of Hire:

-An incident is an unwanted event that causes injury or illness to the body and/or involves damage to property, equipment, or the environment.
-A near-miss is an incident in which no property was damaged and no personal injury was sustained, but where given a slight shift in time or position, damage or injury easily could have occurred.
-A hazard is an object or situation that has the potential to harm people or cause damage to property or the environment.

If you have IT equipment that has been stolen or damaged, you must complete the **IT Incident Report** located on the Information Technology page of the intranet immediately for security purposes.

Date of Event	Time of Event:	Type of Incident: ❑ Incident ❑ Near Miss ❑ Hazard	Project Number:
Address of Incident:	Additional information Regarding Incident Location:		

How did the incident happen? *(Describe step by step the events that led up to the event and site conditions, weather and tools. Document any immediate action taken to protect internal/internal staff)*

Incident involved the following (check all that apply): ❑ Vehicles If Yes, list license Plate Numbers: _____

❑ Machines ❑ Equipment ❑ Tools ❑ Property ❑ Environment ❑ Chemicals ❑ Electronic Equipment ❑ Wildlife

Describe how items above played a part in the incident and if they contributed to/resulted in injury:

Did property or equipment damage occur: ❑ Yes ❑ No	Approximate estimated value of damage:
Names of all involved persons:	Witness Statements Attached (1 for each witness)(see Safety Manual 1.22): ❑ Yes ❑ No

Did this Incident involve an injury? ❑ Yes ❑ No If No – sign at bottom and provide to Supervisor, Safety Manager and HR.

Injured Employee Name:	SSN: (last 4 digits)	Date of Birth:	Gender:

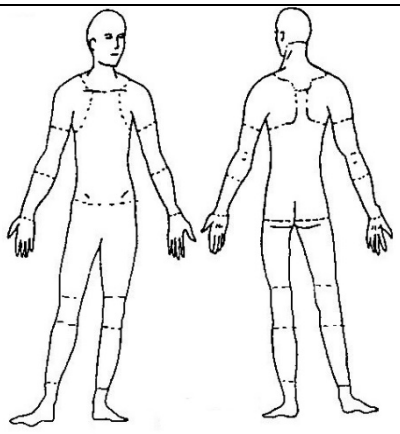
Job Title:	Employee type: ❑ Full time ❑ Part Time ❑ On-Call/temporary	Time Employee Began Work & Time of Injury:	Phone Number:
Type of Injury (e.g. abrasion, bruise, burn, sprain, cut, etc):		Was PPE being used & what type:	

Was medical treatment provided? ❑ Yes ❑ No

Was medicine prescribed? ❑ Yes ❑ No Type:

Describe treatment:

Hospital/Clinic & Dr Name:	Is employee still being treated? ❑ Yes ❑ No
Has employee returned to work? ❑ Yes ❑ No	Was employee assigned: ❑ Restricted duty ❑ Job transfer ❑ Days away from work



Part of body affected:
Shade all that apply or list:

Employee Name (print):	Signature:	Date:
Supervisor Name (print):	Signature:	Date:

PART C - SUPERVISOR INVESTIGATION & ANALYSIS REPORT

Completed by Supervisor with Input by Safety Manager and Others as Needed

Date of Event	Time of Event:	Type of Event: ❑ Incident ❑ Near Miss ❑ Hazard	Date of this Report:
Event Location:	Project Number:	Supervisor:	Title:

Description of Incident:

Incident involved the following (check all that apply): ❑ Vehicles If Yes, list license Plate Numbers: _____

❑ Machines ❑ Equipment ❑ Tools ❑ Property ❑ Environment ❑ Chemicals ❑ Electronic Equipment ❑ Wildlife

EMPLOYEE & INJURY INFORMATION

Involved Employee:	Employee Age:	Employee Gender:	Date of Hire:
Was employee injured: ❑ Yes ❑ No	If Yes, describe injury:		
Date last worked:	Date returned to work:	Was employee assigned: ❑ Restricted duty ❑ Job transfer ❑ Days away from work	
Hospital/Clinic Name:	Doctor name:	Type of Injury:	

INVOLVED PARTIES and WITNESSES

Names of all involved persons:	Witnesses (name and contact information):	Witness Statements Attached? ❑ Yes ❑ No

PROPERTY DAMAGE

Did property damage occur? ❑ Yes ❑ No	If Yes, what is nature of damage and what inflicted the damage:
Cost to repair damage:	Repercussions from damage:

INCIDENT DESCRIPTION

Describe what happened. (Investigate scene of incident or conditions. Describe who was involved, when and where the incident happened, what happened, and how.) Attach photographs, maps, drawings.

What PPE was being used at the time of the event and was it appropriate?	❑ Yes ❑ No
Is there a task that applies to the **task** being performed when the injury or incident occurred? *If Yes, review the THA, answer the following questions, and attach a copy to this report. If no, please explain why the THA was not required for the task.*	❑ Yes ❑ No
Were hazards sufficiently identified? If not, please explain.	❑ Yes ❑ No
Were identified controls adequate and implemented? If not, please explain.	❑ Yes ❑ No
Were the identified controls not implemented? If not, please explain.	❑ Yes ❑ No

PART C - SUPERVISOR INVESTIGATION & ANALYSIS REPORT

Root Cause (What was the root cause of the incident, i.e., actually caused the illness, injury, or incident?)

Unsafe Acts	**Unsafe Conditions**	**Management System Deficiencies**
❑ Improper Work Technique	❑ Poor Workstation Design or Layout	❑ Lack of Written Procedures or Safety Rules
❑ Improper PPE, Not Used or Used Incorrectly	❑ Fire or Explosion Hazard	❑ Safety Rules Not Enforced
❑ Safety Rule Violation	❑ Congested Work Area	❑ Hazards Not Identified
❑ Operating Without Authorization	❑ Hazardous Substances	❑ PPE Unavailable
❑ Failure to Warn or Secure	❑ Inadequate Ventilation	❑ Insufficient Worker Training
❑ Operating at Improper Speeds	❑ Improper Material Storage	❑ Insufficient Supervisor Training
❑ By-Passing Safety Devices	❑ Improper Tool or Equipment	❑ Improper Maintenance
❑ Guards Not Used	❑ Insufficient Job Knowledge	❑ Inadequate Supervision
❑ Improper Loading or Placement	❑ Slippery Conditions	❑ Insufficient Job Planning
❑ Improper Lifting	❑ Poor Housekeeping	❑ Inadequate Hiring Practices
❑ Servicing or Adjusting Machinery in Motion	❑ Excessive Noise	❑ Poor Process Design
❑ Horseplay	❑ Inadequate Guarding of Hazards	❑ Inadequate Workplace Inspections
❑ Drug or Alcohol Use	❑ Defective Tools/Equipment	❑ Inadequate Equipment
❑ Unsafe Act(s) of Others	❑ Insufficient Lighting	❑ Unsafe Design or Construction
❑ Unnecessary Haste	❑ Inadequate Fall Protection	❑ Unrealistic Scheduling
❑ Other:	❑ Other:	❑ Other:

Contributing Cause(s) (Conditions that made the incident more likely)

Immediate Actions Taken

Actions to Prevent Recurrence (Be specific as to what would prevent injury, incident or damage from recurrence) (use extra page if needed)

CORRECTIVE ACTION TRACKING (All Blocks Must be Filled In and Information Verifiable)

List action(s) that have or will be taken to prevent a recurrence.	Assigned To Whom	Scheduled Completion Date	Actual Completion Date	Follow-up Date

INVESTIGATOR SIGNATURES:

Signature:	Name;	Title;	Date;
Signature:	Name;	Title;	Date;
Signature:	Name;	Title;	Date;
Signature:	Name;	Title;	Date;
Signature:	Name;	Title;	Date;

PART D – WITNESS STATEMENT FORM

Date of Incident: _____ Date of this Statement: _____

Name of Witness: _____

Name of Interviewer: _____

Instructions: Witness statements should be fact based and when possible written by the witness. If the interviewer writes the statement for the witness, the witness must review the statement completely before signing this form. Deletions must be lined out and initialed by the witness. All changes must be initialed by the witness.

Statement:

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Witness Signature & Date: _____

Interviewer Signature & Date: _____

*Note. If the Witness refuses to sign this form, the interviewer should print "refused to sign" and the date on the Witness Signature line.

APPENDIX C

COMMUNITY AIR MONITORING PLAN

New York State Department of Health
Generic Community Air Monitoring Plan

Overview

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overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the

work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

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Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50^{o} C (14 to 122^{o} F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see Paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.

Special Requirements CAMP

1. When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

2. If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be pre-determined). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.

3. If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m_3, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m_3 or less at the monitoring point.

4. Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Especially if machinery with internal combustion engines are utilized for indoor work. Response levels and actions should be pre-determined, as necessary, for each site.

5. Unless a self-contained, negative-pressure enclosure with proper emission controls will encompass the work area, all individuals not directly involved with the planned work must be absent from the room in which the work will occur. Monitoring requirements shall be as stated above under "Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures" except that in this instance "nearby/occupied structures" would be adjacent occupied rooms. Additionally, the location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, should be understood and the monitoring locations established accordingly. In these situations, it is strongly recommended that exhaust fans or other engineering controls be used to create negative air pressure within the work area during remedial activities. Additionally, it is strongly recommended that the planned work be implemented during hours (e.g. weekends or evenings) when building occupancy is at a minimum.

APPENDIX D

Resumes for LaBella Project Team Members

DANIEL NOLL

Vice President

Dan has more than 24 years of experience with environmental projects at industrial/manufacturing facilities and environmental investigation projects for a variety of clients including developers, financial institutions, industrial clients, and municipalities. Dan has managed numerous Phase II Environmental Site Assessments and remediation projects such as groundwater monitoring programs, soil vapor investigations, test pit investigations, geo-probe investigations, underground storage tank removals, soil removals, bio-cell remediations, and in-situ groundwater remediation. He also has experience with the design and installation oversight of mitigation systems. In addition, Dan has assisted industrial, municipal and agricultural clients with permitting and annual reporting for State Pollution Discharge Elimination System (SPDES) permits, Part 360 Land Application permits, Composting permits, and Petroleum Bulk Storage (PBS) registrations.

PE

Professional Engineer: NY, ME, OH, NH, AZ, CO, CT, IA, KS, MA, ND, OR, SD, WA

EDUCATION

Clarkson University: B.S. in Chemical Engineering

CERTIFICATIONS/ REGISTRATIONS

OSHA 40-Hour Certified Hazardous Waste Site Worker Training

OSHA 8-Hour Certified Hazardous Waste Site Worker Refresher Training

Stern Family Limited Partnership: Former Manufacturing Facility BCP Site - Rochester, NY

Dan was the Project Engineer for this BCP Site, which underwent a Remedial Investigation, Interim Remedial Measures, and installation of a sub-slab depressurization system. Dan completed and stamped the Final Engineering Report required to obtain the Certificate of Completion for the property owner, allowing them to obtain their tax credits.

Springs Land Company: Carriage Cleaners BCP Site - Rochester, NY

As Project Manager, Dan completed a Brownfield Cleanup Program (BCP) Application & Work Plan to conduct a Remedial Investigation at a former dry cleaning facility. A soil, groundwater, and soil gas study was undertaken to develop remedial costs and assist with redeveloping the property. Subsequently, an Interim Remedial Measure was completed to remove the source area of impacts from the Site. Dan completed a remedial alternatives analysis for selecting a treatment approach for the residual groundwater plume. Dan also attended Town Board Meetings regarding this project.

American Siepmann Corporation: Former Manufacturing Facility BCP Site - Henrietta, NY

Dan was the Project Manager for this Brownfield Cleanup Program (BCP) Site and has overseen the installation of a groundwater monitoring well network and subsequent routine sampling as part of a Monitored Natural Attenuation (MNA) program for remediation of chlorinated groundwater impacts at the Site.

RJ Dorschel Corporation: Former Gasoline/Service Station BCP Site - Rochester, NY

Dan was the Project Manager for this BCP Site, which included Remedial Investigations at two adjoining parcels, implementation of Interim Remedial Measures,

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and development of the Final Engineering Report and Site Management Plan. The project also included implementation of necessary Citizen Participation requirements. The project ultimately obtained the Certificate of Completion and thus the NYS tax credits.

One Flint Street Associates: Vacuum Oil BCP Site - Rochester, NY

Dan was the Project Manager for this Brownfield site that is the oldest oil refinery in the United States. The current project includes developing a remedial investigation plan for two parcels that have had a history of oil refining since the 1800s. The remedial investigation was designed to fill data gaps from previous studies in order to minimize cost to the Client.

Genesee Valley Real Estate: Former Bausch & Lomb Facility BCP Site - Rochester, NY

Dan was Project Manager for this Brownfield site that served as a manufacturing facility from the 1930s to the 1970s. The project included a Remedial Investigation (RI) a four-acre parcel with ten areas of concern identified. The RI identified four areas requiring remedial actions. The remedial areas included petroleum impacted soil and groundwater, free floating petroleum product, and two areas of chlorinated solvent contamination with one including bedrock impacts at depth. A Feasibility Study was completed that evaluated pros/cons and associated cost of each remedial alternative. The remedial work was agreed to with NYSDEC and Dan led the design of the remedial systems for each area. The remedial approach included in-situ chemical oxidation for one of the chlorinated solvent areas through several subsurface injection manifolds. The remediation approach for the other area of chlorinated solvent impacts included the design and installation of bedrock injection wells and a pump and treat groundwater extraction system. The injection wells were utilized inject zero-valent iron for treatment of the solvents. The pump and treat system was utilized to pull the injection chemicals across the impacted area for greater distribution. The remedial systems were successful and the site received a Certificate of Completion from NYSDEC in 2018.

Former Corning Hospital - Corning, NY

Dan was the project manager for completion of a Phase II Environmental Site Assessment at the Former Corning Hospital and 8 associated adjacent properties. A soil boring and groundwater monitoring program was implemented to identify subsurface impacts associated with former uses of the site including gasoline filling stations and former railroad.

Bajrangee, Inc.: Comfort Inn – BCP Site - Rochester, NY

Dan was the Project Manager for this Brownfield site that included a design phase investigation to determine the extent of remedial work. The remediation work included excavation of chlorinated solvent impacts to soil and groundwater from the basement of the building. This included proper shoring design to facilitate the removal action. A second phase of the remediation included injection of treatment chemicals to address downgradient groundwater impacts.

Former Emerson Street Landfill Redevelopment

Mr. Noll has assisted the City of Rochester since 2010 with managing environmental legacy issues at this 250-acre former ash and municipal landfill. Mr. Noll has worked with the City to conduct environmental investigations at over 45 different parcels across the landfill and identify properties/buildings that require mitigation measures. Mr. Noll has assisted with redevelopment activities at 9 different properties that consisted of pre-construction soil and waste characterization to assist with planning and cost estimating activities, developing waste management and environmental monitoring plans, obtaining regulatory approvals and implementing these plans during construction activities. This work has assisted with the development of industrial/commercial developments and a 6-acre solar array. The solar array development also included utilizing a Beneficial Use Determination, site plans, geotechnical assessment and delisting the property from the NYSDEC list of inactive hazardous waste disposal sites.

Brenneman Industrial BCP Site -Oswego NY

Mr. Noll was the engineer of record for the investigation and remediation work at the former Brenneman industrial facility. The site was identified as a 'catalyst' site through the NYSDEC Brownfield Opportunity Area program and based on that a developer put the site into the NYSDEC Brownfield Program. The remedial investigation identified a plume of chlorinated solvents and significant fill material at the site. Mr. Noll led the team that evaluated remedial options and selected the remedy for the site. Mr. Noll provided technical oversight during the remedy implementation phase and during site management phase as part of the redevelopment of the site. The site was successfully redeveloped into an affordable housing building filling a need for the community.

ARLETTE ST. ROMAIN

Brownfields Program Manager

With 28 years as a professional environmental scientist, Arlette has extensive experience conducting: Phase I and Phase II Environmental Site Assessments (ESAs); Brownfields Cleanup Program (BCP) investigations, cleanup goal and remedy negotiations, reporting and public participation. Arlette has managed NYSDEC BCP projects, receiving Certificates of Completion for sites with a variety of remedial approaches. She also directs and provides final QC review for Phase I and II ESA property transfer programs. Her experience includes managing projects for municipal, military, commercial, utility, resort and private developer clients.

EDUCATION

Virginia Polytechnic Institute & State University: B.S. in Crop and Soil Environmental Science

AFFILIATIONS

Former President, Hawaii Chapter, National Association of Environmental Professionals

TRAINING

OSHA Hazardous Waste Operations 40-Hour Technician Initial Course and Refreshers

CPR & First Aid

Environmental Sampling Theory, 2009

Sampling for Defensible Environmental Decisions 2005

ASTM Phase II Environmental Site Assessment Process, 2004

US Department of Energy Systematic Planning and Managing Uncertainty for Environmental Decision Making, 2002

New York City Department of Environmental Protection: ESAs—Various Locations, NY

Program Manager/Quality Control for term contracts since 2011, which include over 260 ESAs, over 60 pre-demolition asbestos and lead paint surveys, and Phase II investigations and underground storage tank closures. Properties assessed under NYC DEP's Land Acquisition Program to protect water quality in the Catskill, Delaware, and Croton Watersheds. Also awarded term contracts for the Watershed Agricultural Council and the Catskill Center of Conservation and Development programs funded by NYC DEP to protect the watersheds. A third contract was recently announced.

South End Development: The Seventy Six—Albany, NY

Environmental task manager for environmental due diligence that included conducting an Expanded Phase I Environmental Site Assessment consistent with ASTM E-1527-13 that also included a Thermal Explosive Hazard Evaluation to support applications for potential funding such as HUD and HCR for Affordable Housing. Phase II investigation activities included soil vapor sampling to assess for impacts from a former dry cleaner upgradient of the subject property, and sampling of soil borings and groundwater.

Home Leasing—Albany, NY

Project manager for environmental management and mitigation to support redevelopment of historic row houses into affordable housing. Efforts included preparation of subslab depressurization systems (SSDS) and an Excavation Management Plan.

Scenic Hudson: Quarry Waters—Ulster County, NY

Project Manager for due diligence services on an approximately 520-acre site that was acquired by Scenic Hudson affiliate Quarry Waters LLC and was transformed into the Sojourner Truth State Park. The site was initially developed in the mid-1840s with prior property uses including cement factories, brickyards, limestone and clay quarry, ice houses, railroad tracks,

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and several residences. Brickyard operations on the Site ceased in the 1950s and cement factory operations ceased in the 1990s or early 2000s. To help the client reach their goal for future site use, Arlette managed the Phase I ESA and Phase II ESA investigations of soil, groundwater, and surface water, and coordinated efforts for subsurface utility assessment and clearance, wetland delineation and regulatory guidance, and an engineering schematic grading plan. Continuing to provide environmental consulting for additional park feature development for another client.

City of Peekskill: Lower South Street Redevelopment Site—Peekskill, NY

Managed a BCP project for a property that was formerly a recycling facility and automotive salvage yard. Prepared BCP application and Remedial Investigation Work Plan. Managed implementation of work plan and prepared project reports while coordinating with the City.

Fuller Road Brownfields Cleanup Program Site—Albany, NY

Project Manager responsible for managing BCP project for a privately-owned industrial facility that was a former brush manufacturing facility with chlorinated solvent contamination. Efforts included development of work plan, managing field activities, reporting, and coordination with NYSDEC and NYSDOH. Project remedial actions include sub-slab depressurization system and a high vacuum extraction and soil vapor extraction system to address chlorinated and petroleum contamination.

Gateway to the Adirondacks at the Upper Hudson Recreation Hub–North Hudson, NY

Environmental Task Manager responsible for managing Phase I ESA for 327-acre former Frontier Town property and the pre-demolition asbestos survey for 70 structures. Coordinated information gathering with Open Space Institute, NYSDEC and County representatives.

Bassett Hospital & Templeton Foundation—Various Locations, NY

Project Manager responsible for managing Phase I ESAs with Thermal Explosive Hazard evaluations and HUD-4128 Forms for 14 separate hospital properties across five counties.

Meadows at Middle Settlement Independent Senior—New Hartford, NY

Environmental Task Manager responsible for managing Phase I ESA with Thermal Explosive Hazard evaluation for property to be developed for senior housing. Also conducted Phase II ESA sampling.

Econoquick Gas and Car Wash: Site Environmental Restoration Program Project—Warrensburg, NY

Managed the Environmental Restoration Program project for the Town of Warrensburg for a former car wash and fueling station with petroleum and chlorinated solvent contamination. Worked with the NYSDEC and NYSDOH to develop and implement the work plan, evaluate preliminary analytical data, and conduct additional evaluation of potential contaminant sources. Managed field activities that included asbestos abatement, tank closures, building demolition, and soil gas, soil and groundwater sampling; coordination with nearby property owners; and working closely with subcontractors, which included modifications to drilling methods in response to challenging lithologic conditions. Efforts included management of project budget, preparing progress reports, assisting the Town in preparation of force account documentation, and assembling financial documentation for the Town's records.

Former Packaged Lighting: BCP Site—Walden, NY

Managed a BCP project for private client. The Remedial Investigation included a geophysical site survey; installation and sampling of test pits, soil borings and groundwater monitoring wells to assess site impacts; site characterization of underground storage tanks; vapor sampling in and under buildings to assess vapor intrusion. Interim Remedial Measures performed include underground storage tank removal/closure, drywell cleanout, removal of containers of paints and other materials for proper off-site disposal, and in-situ chemical injection to address residual chlorinated solvents in groundwater. The remedy includes a cover system and subslab depressurization system. Also provided oversight of pre-demolition asbestos surveys for select building features and a wetland delineation.

Former Statewide Oil Site: Environmental Restoration Program Site—Port Jervis, NY

Task Manager for ERP site which included a $125,000 tank cleaning and removal action via an Interim Remedial Measure

(IRM). Established contents for the IRM which was completed to the satisfaction of the City, NYSDEC and EPA. Contributed to sections and overall technical review of the supplemental remedial investigation work plan that received NYSDEC and NYSDOH approval. Lead efforts to ensure compliance with NYSDEC reporting.

Central Fire House—Peekskill, NY

Oversaw Pre-Demolition Building Materials Survey on a three-story residence with a detached garage and two commercial buildings. This survey included the collection of 1,200 samples of suspect asbestos-containing materials, caulk samples for polychlorinated biphenyl (PCB) analysis, and composite building materials samples for hazardous lead analysis. Responsible for quality control review and team coordination.

Boston Beer Company: Apple Orchard and Residence—Orange County, NY

This two-phase project included conducting an expanded Phase I ESA of a 60-acre orchard with six associated buildings dating back to the early 1900s, conducting a Phase I ESA of a 1900s farm house and associated lands, the collection of groundwater and drinking water samples, surface soil samples, a septic dye test, and radon sampling. Additionally, a Pre-Demolition Asbestos Survey was conducted on four of the orchard buildings. Project Manager for these environmental tasks and also worked with engineers on soil management for handling soil during site development.

Former Gasoline and Service Station—Ulster County, NY

Developed work plan for former gasoline and service station that includes four historic septic systems and a car wash. Project Manager for associated ground penetrating radar, soil boring program, soil and groundwater sampling, and related reporting and client coordination. Sampling program includes installation of soil borings and sampling groundwater from temporary groundwater sampling points.

Confidential Fuel Distribution Client—Fultonville, NY

Project Manager responsible for managing remediation project for a fuel distribution facility with a gasoline release. Remedial efforts at the site have been modified to meet the changing needs of the client and limitations from the site owner. Efforts have included applications of NBlend® and soil vapor extraction with ongoing groundwater monitoring. A source removal work plan was prepared to include removing the underground storage tanks and associated impacted soil from the site area that was previously inaccessible.

Investigation of Petroleum Tanks and Chemical Storage at Former Resort—Ulster County, NY

As Project Manager, ensured compliance with Petroleum Bulk Storage (PBS) regulations, prepared and oversaw various investigations to assess environmental conditions relative to underground and aboveground fuel storage tanks and damaged transformers as well as surface soil sampling for potential lead impacts. Scope also included evaluating containers of materials and chemicals for proper off-site disposal and working with contractors to obtain quotes.

Hutton Brickyard—Kingston, NY

Provided oversight of remedial activities at the Former Kingston Brickyard property that included tank dismantling, pipe cleaning, and removal of petroleum-impacted soil. Prepared the Remedial Action Report documenting the remedial activities and updating Petroleum Bulk Storage registration, and managed subsequent investigation efforts to support spill closure that was granted by NYSDEC.

Love Road Development Site—Poughkeepsie, NY

Managed BCP project for private client. Following NYSDEC approval of an Alternatives Analysis and Remedial Work Plan prepared by others, reviewed the data, proposed limited additional sampling, and negotiated a less stringent and lower cost remedy. Managed implementation of revised remedy, and prepared closeout documents (CCR/FER and SMP).

Board & Paper Mill Environmental Restoration Program—Warrensburg, NY

Managed the ERP project for the Town of Warrensburg for a former paper mill with petroleum and polychlorinated biphenyls (PCBs) contamination. Provided oversight of subsurface drilling and sampling activities, conducted data reduction, coordinated the fish and wildlife resources impact assessment, and prepared the remedial investigation report and remedial alternatives analysis. Efforts included management of project budget, preparing progress reports, and assembling financial documentation for the Town's records. This site achieved NYSDEC closure and was redeveloped into Paper Mill Park.

Confidential Industrial Plant Client—Waterford, NY

Lead team providing quarterly stormwater sampling to meet an industrial facility's SPDES compliance requirements. Efforts included weather monitoring, quarterly mobilization of a team for sample collection at eight outfalls during qualifying rain events, landfill leachate sampling, and bioreactor sampling.

Multiple Sewage Pump Stations: Hazardous Building Materials Assessment—Bethlehem, NY

Provided technical lead oversight of hazardous building materials surveys for multiple sewage pump stations. Conducted sampling for asbestos and lead-based paint, assessed the facilities for universal wastes and also evaluated each structure for fuel storage tanks.

NYSOPRHP: Thatcher Park—Voorheesville, NY

Managed environmental investigation and remediation task that were initiated when impacts from a former chemical latrine were discovered during a geotechnical investigation.

Former Factory and Warehouse Sites for the Franklin County IDA: Environmental Restoration Program Sites—Franklin County, NY

Managing two Environmental Restoration Program projects for the Franklin County Industrial Development Agency. The Former Tru-Stitch Slipper Factory Site and Warehouse Site were previously used as facilities for an industrial manufacturer of branded footwear and performance leathers. Based on historic site uses, the investigation included fuel for heat and typical wastes associated with mineral spirits, metals, volatile organic compounds for leather treatment/finishes. Working with the NYSDEC and NYSDOH to develop the work plan and a sampling approach that provided sufficient data but also minimize sampling efforts and costs. Managed Work Plan implementation that included tank closures and soil and groundwater sampling, and prepared the Remedial Investigation/Alternatives Analysis Reports and Final Engineering Report. Efforts include management of project budget and preparing progress reports.

NYS OPRHP: Harlem Valley Rail Trail Soil Sampling—Ghent, NY

Environmental Task Manager for environmental investigation to assess soil quality for reuse as part of culvert repair efforts.

BRANSON FIELDS

Project Manager & Field Operations Leader

Branson has over 15 years of environmental project experience providing environmental inspection, remediation engineering, consulting and regulatory services as an environmental scientist, field operations supervisor, and project manager. Experience includes construction inspection, SWPPP monitoring, regulatory permitting, environmental remediation, and geotechnical equipment environmental compliance monitoring. Branson's responsibilities include designing, managing, and overseeing remedial activities, including remediation systems, sediment and access control management of a wide range of sites, implementation of complex in-situ and ex-situ environmental remedies; development of overall project remedial strategies; and field data acquisition programs.

EDUCATION

University of Cincinnati: B.S. in Environmental Science and Natural Resource Management

AFFILIATIONS

OSHA HAZWOPER 40-Hour

OSHA HAZWOPER 8-Hour

OSHA Confined Space Entry 8-Hour

ANSI Hydrogen Sulfide Training

SafeLand™ USA Compliant

First Aid/CPR/AED Training

Trench and Excavation Competent Person Training

NYSDEC Erosion and Sediment Control Training 4-Hour

NYSDEC: Kingsbury Landfill - Kingsbury, NY

Participated as environmental oversight of remedies during the Interim Remedial Measure (IRM) at the Kingsbury Landfill. Served as on-site Health and Safety Officer, field geologist, and air monitoring technician. Performed storm water pollution prevention plan (SWPPP) inspections and Community Air Monitoring Plan (CAMP) monitoring throughout duration of project. Assisted with soil boring and monitoring well installations, GIS mapping, data reduction, and report preparation tasks for the Site.

Stillwater Public Library: SMP Implementation and Oversight – Stillwater, NY

Completed a Phase I ESA of property, coordinated and lead the completion of a Phase II ESA involving the investigation of SVOC, heavy metal, and PCB contamination, and prepared a summary report for developer. Prepared and executed oversight of a Soil Management Plan (SMP) that included environmental oversight during redevelopment and construction excavation activities, Community Air Monitoring Plan (CAMP) monitoring, collection of waste characterization samples, and preparation of a post-construction summary report in accordance with the SMP.

New York City Department of Parks & Recreation: Calvert Vaux Park- Multi-Use Redevelopment – Brooklyn, NY

Health & Safety Officer and Environmental Technician responsible for the implementation of Community Air Monitoring Program (CAMP) at the former dumpsite for construction fill from the Verrazano-Narrows Bridge construction in Brooklyn, NY. CAMP activities include all data collection and reporting requirements, and operation and maintenance of the air monitoring equipment during all phases of site work. Health & Safety Officer responsible for job safety analysis and daily tailgate meetings.

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Mosaic Village: Multi-Use Redevelopment—Cohoes, NY

Field Operations Leader and on-site Health and Safety Officer for environmental investigation and remediation tasks at a multi-parcel consolidated city block that was formerly used for a former manufactured gas plant (MGP). Conducted environmental oversight of soil excavation remedies, performed storm water pollution prevention plan (SWPPP) inspections, throughout duration of project, GIS mapping, data reduction, and report preparation tasks for the Site.

Procida Development Group: Ebenezer Plaza 1—Brooklyn, NY

For an active redevelopment site in the NYSDEC Brownfield Cleanup Program (BCP), conducts environmental oversight of soil excavation remedy activities including Community Air Monitoring Program and tracking excavation progress and load tracking. Serves as on-site Health & Safety Officer.

CareMount Medical—Poughkeepsie, NY

Oversight of drilling contractor during Phase II ESA, including soil boring investigation to characterize subsurface conditions for potential remedial activities and development.

OPS Petroleum Release Sites—Denver, CO*

Provided management support on several petroleum release sites that were regulated by the Colorado Division of Oil and Public Safety (OPS). Activities included developing/guiding investigations and/or remedial action plans at retail gas stations in the Denver metro.

UST Removal and Closures—Suffolk and Nassau Counties, NY*

Conducted Phase II ESAs including soil sampling and well installation, and collection of groundwater, soil and air samples. Performed long-term groundwater monitoring for service stations sites following underground storage tank closure. Such activities include coordinating and tracking groundwater monitoring, sampling and remedial system maintenance.

Phase II Groundwater ESAs—Various Locations, Nationwide*

Groundwater sampling and gauging events at over 100 remediation sites nationwide. Responsibilities included preparation of field data and maps, proper handling of groundwater sampling equipment, and preparation of samples for laboratory analysis. Responsible for preparing groundwater summary and remediation reports based on the groundwater data collected.

Phase II ESAs and Remediation—Grande Prairie, TX*

Oversight of remediation and construction subcontractors, review of field data and preparation of data evaluation reports, assistance with cost estimating, report preparation and task management. Remediation activities included a combination of subsurface vapor mitigation technologies, groundwater extraction, chemical and metals remediation excavation and dredging, and wetland mitigation and restoration. Remediation efforts were conducted to facilitate commercial/residential redevelopment efforts and recreational areas along the adjacent Mountain Creek Lake

NAPL and Chlorinated Solvent Remediation Sites—Denver, CO*

Evaluated potential remedial technologies at several sites regulated by the Colorado Department of Public Health and Environment (CDPHE) to address dense non-aqueous phase liquids and dissolved-phase chlorinated solvents in soil and groundwater. Primary technologies include groundwater pump and treat, in-situ air/ozone sparging, injection bioremediation, soil excavation and mixing, and soil vapor extraction systems.

Phase I ESAs—Multiple Locations, NY and CO

Conducted all aspects of Phase I ESAs on properties ranging from 0.25-acre residential sites to commercial and industrial sites greater than 50 acres. Concerns on the site included former buildings, former heat sources (including fuel oil and coal), waste petroleum liquids, and waste debris. Performed municipal and regulatory document reviews, site visits and inspections, Reviewed historical maps, aerial photographs, and previous environmental investigations. Prepared mapping and report documents.

Syracuse Academy: Drinking Water Sampling Services–Syracuse, New York

Mr. Fields managed and conducted drinking water sampling of 296 sinks, faucets, or water fountains from six school facilities of the Syracuse Academy of Sciences Schools in 2017 and 2020. he also prepared summary reports for submittal to the Department of Health.

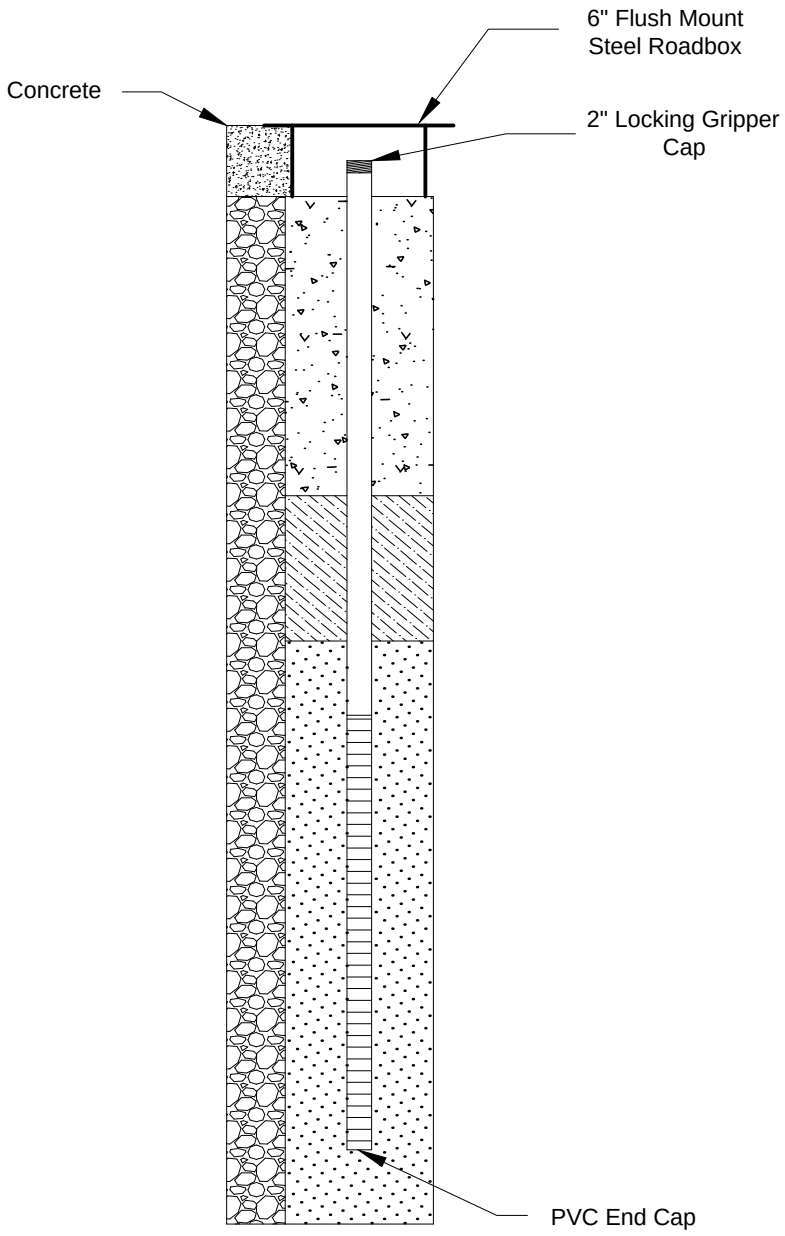
**Work performed with prior employer.*

APPENDIX E

LaBella Standard Operating Procedures (SOPs) and and DER-10, Chapter 3, Section 3.3, Subdivision (e)

The procedures outlined in the project-specific RI/IRM WP guide this project, and the LaBella SOPs supplement the RI/IRM WP

OVERBURDEN MONITORING WELL
TYP.



LaBella
Powered by partnership.

Typical Overburden Well

FIGURE A-1

SCALE: NTS

STANDARD OPERATING PROCEDURES

Field Book and Photographs

Standard Operating Procedure #001

NOTE: See SOP #006 for relevant Field Log changes for projects that include PFAS sampling

A. Purpose and Scope:

To produce an accurate and reliable record of all field activities, including field observations, sample collection activities, etc.

All pertinent field survey and sampling information shall be recorded in a logbook or on field logs during each day of the field effort.

In addition to keeping logs, photographs will be taken to provide a physical record to augment the field worker's written observations. They can be valuable to the field team during future inspections, informal meetings, and hearings. Photographs should be taken with a camera-lens system having a perspective similar to that afforded by the naked eye. A photograph must be documented if it is to be a valid representation of an existing situation.

B. Equipment and Materials:

- Bound Field Book (with waterproof paper) or Field Logs
- Chain-of-Custody, Other Appropriate Forms
- Indelible Ink Pens
- Digital Camera with 50 mm lens or similar

C. Procedure:

1. At a minimum, entries in a logbook shall include:
    a. Date and time of starting work
    b. Names of all personnel at site
    c. Summary of key conversations with contractors, agency representatives, etc.
    d. Purpose of proposed work effort
    e. Sampling equipment to be used
    f. Field calibration of equipment or documentation of calibration of rented equipment
    g. Description of work area
    h. Location of work area, including map reference. Document sample locations with references to fixed landmarks (e.g., 10 feet from southwest corner of building)
    i. Details of work effort, particularly any deviation from the field operations plan or standard operating procedures
    j. Field observations and field measurements (e.g., pH)
    k. Field laboratory analytical results
    l. Personnel and equipment decontamination procedures
    m. Daily health and safety entries, including levels of protection
    n. Type and number of samples
    o. Sampling method, particularly deviations from the standard operating procedures
    p. Sample location and number
    q. Sample handling, packaging, labeling, and shipping information (including destination)
    r. Time of leaving site

For each photograph taken, several items shall be recorded in the field logbooks:

A. Date and time – Camera set to record on photo
B. Name of photographer
C. General direction faced and description of the subject
D. Sequential number of the photograph
E. Always attempt to include an object in the photograph that helps show scale
F. Always try to shoot at approximately 50mm focal length (what human eye sees)

2. Each day's entries will be initialed and dated at the end by the author, and a line will be drawn through the remainder of the page.

D. QA/QC Requirements:

All entries in the logbook shall be made in indelible ink. All corrections shall consist of single line-out deletions that are initialed.

The field task leader shall be responsible for ensuring that sufficient detail is recorded in the logbooks, and shall review the site logbooks daily.

E. Special Conditions:

Photographs should be downloaded from the camera to the project folder and notes regarding the photographs should accompany the photos. Photographs should be no larger than 3 MB each unless they are being utilized for presentation purposes. LaBella has software available to decrease file sizes if necessary.

As noted above, if a bound logbook is not used, then a field observation form must be used and information above should be captured on the form.

F. References:

None.

G. Appendices or Forms:

None.

Sample Naming and Numbering

Standard Operating Procedure #002

A. Purpose and Scope:

The success of large environmental programs is greatly affected by the efficiency of data management and analysis. When performing environmental sampling, one of the most critical steps is appropriately naming or numbering samples so that they are uniquely identified and can be distinguished from all other samples by all future users.

Some of the potential benefits that can be obtained by adopting a naming convention include the following:

a) To ensure that every sample collected at a site has a unique identifier

b) To enhance clarity in cases of potential ambiguity

c) To help avoid "naming collisions" that might occur when the data is imported into our Equis or other databases

d) To provide meaningful data to be used in project handovers

Note that many of our sampling programs are performed at sites with previously established sample locations and in these cases, we would not change sample names. Additionally, this process shall be applied at larger, more complex sites, and/or sites that are required to follow a site- specific QAAP. Simpler naming conventions may be implemented for small, simple sites

B. Equipment and Materials:

- Field Logbook
- Field Sample Login Sheet
- Site Map / Work Plan
- Sampling Forms
- Chain of Custody
- Sample Containers with Labels

C. Procedure:

1. Once Each sample shall be uniquely defined by a multi-field name. In general, three fields are required:

   [Project # or Name] – [Media Type] – [Location Name/Sequential Number].

2. If using a site name, abbreviate to 2-3 letters. (e.g., Congress St site would be “CS”).

3. Use the following example abbreviations for media types:

Subsurface Soil.....SOIL
Surface Soil.....SURF
Sediment.....SED
Groundwater.....GW
Surface Water.....SW
Waste Water.....WW
Soil Vapor.....SV
Storm Water.....STORM

4. All samples collected at a site shall be numbered sequentially for each media type, regardless of the field event or project phase. The use of hyphens to separate segments of a sample name is beneficial for sample name readability. It is also beneficial to use enough leading zeros to accommodate the Sequential Number (or sys_loc_code) portion of the sample name, which will assist in sorting sample IDs in the data management program or database (see EQUIS discussion below).

5. Do not include information such as time, sample depths, etc. in the name. This information should be recorded as defined in Section F (below).

6. In no cases shall the multi-field name be longer than 30 characters, including dashes. Ensure that each name is clearly written on both the sample label as well as the Chain of Custody.

7. Do not use special characters (e.g. #, ‘, “, @, !) when naming samples. Including such characters in the Serial Number (sys_loc_codes) or Sample Number (sys_sample_codes) can be incompatible with the database.

8. For QA/QC blank samples use the following abbreviations in place of the media type:

Trip Blank.....TB
Equipment Rinse (Field Blank)..... FB
Duplicate.....DUP
Matrix Spike..... MS
Matrix Spike Duplicate.....MSD

For Duplicate and MS/MSD samples we need to make sure we include the parent sample name. Add the DUP, MS or MSD indicator after the Sequential Number.

For Blind Duplicate samples, use the LaBella indicator in place of the Sequential Number. The location should be recorded in the field logs for our evaluation purposes. For example, a blind duplicate sample number for soil collected at the 005 location would be “CS-SOIL-AZT-1.”

You would record in the field log that the blind soil duplicate AZT-1 has SOIL-12345-005 as its parent sample.

9. Option to Include the Sample Collection Date - As an option, the date may be included in the sample name. NYS Electronic Data Deliverable guidance suggests using dates in the YYYYDDMM format. Placing the year first provides for ease of sorting data in the database:

   However, adding the date adds 9 characters to the sample name thus increasing the complexity of sample numbering. The date is captured on the Chain-of-Custody and in field records.

D. QA/QC Requirements:

The All data must be documented on field data sheets or within site logbooks.

Field personnel should verify that all sample data and supporting information in log books is correct prior to leaving the site.

E. Special Conditions:

NYSDEC EQUIS Considerations:

NYSDEC uses EQuIS for data management and generally requires data to be submitted in EQuIS format. EQuIS has three different sample name related fields, a sample_name, a sys_sample_code and a location_ name. Location_name will almost always be simplified to something like SW-1, GW-2 etc. and is usually the last field of the sample name.

In terms of the other two, sample_name is what we record in the field. That is limited to 30 characters of text.

The laboratory generates the sys_sample_code by taking the sample_name field and adding another qualifier, such as the sample delivery group or work order number. EQuIS requires that the sys_sample_code field be unique within a database. This is limited to 40 characters of text so it typically will be the sample name plus up to 10 characters.

It is recommended to keep the LaBella sample name as short as possible to work with the EQuIS format. The basic sample names identified above are 14 to 17 characters long. If the optional date format is used, sample names will be 23 to 26 characters which is near the limit for what EQuIS can accommodate (and you may have issues physically fitting the sample names legibly into the COC form).

References:

NYSDEC, DER-10, Technical Guidance for Site Investigation and Remediation, May 2010, http://www.dec.ny.gov/docs/remediation_hudson_pdf/der10.pdf

NYSDEC, Electronic Data Delivery Manual, January 2013, http://www.dec.ny.gov/docs/remediation_hudson_pdf/eddmanual.pdf

F. Appendices or Forms:

None

Sample Containers, Volumes, Preservations and Holding Times

Standard Operating Procedure #003

A. Purpose and Scope:

The following standard operating procedure (SOP) presents general guidelines for sample containers, volumes, preservations and holding times associated with air, water and soil/sediment samples. Field personnel are responsible for ensuring that state-specific standards/guidelines/regulations are followed, where applicable.

Proper preserving, storing and handling of air, water and soil/sediment samples are critical if the integrity of the samples are to be maintained. Samples collected in the field may undergo biological, chemical or physical changes following removal from their environment. In order to minimize those changes, many samples must have preservatives in the form of strong acids or bases added prior to delivery to the laboratory. If samples are to be collected as part of a government program, the governing agency typically must be notified 30 days prior to sample collection

B. Equipment and Materials:

Pre-cleaned sample containers along with associated preservations within the sample containers will be provided to LaBella from the analytical laboratory. The field geologist/engineer will provide the necessary personal protective equipment to place samples collected within the appropriate sample containers. However, if field preservation is required the following equipment and materials shall be obtained:

- Hydrochloric (HCl) Acid Reagent A.S.C. 38%
- Nitric (HNO3) Acid Reagent A.S.C. 71%
- Sodium Hydroxide (NaOH) 97%
- 10 mL glass pipettes
- Narrow range (0-3 and 12-14) pH paper
- Nitrile gloves

C. Procedure:

1. Review Table 1 which details typical parameters of interest at environmental sites and the associated methods, preservation, container type, holding time and required sample volume.
2. Obtain pre-cleaned and pre-preserved sample containers from the laboratory. If pre-preserved sample containers were provided skip to Step 7; if not proceed to Step 3.
3. Put on a clean pair of nitrile gloves.
4. In a clean, non-dusty environment, remove the cap of the sample container.
5. Using a clean, 10 mL glass pipette draw the required amount of acid or base and insert into the sample container.
    a. PFAS –Trizma powder (water samples),
    b. Volatile Organic Compounds – 2 mL of HCl acid (water samples).
    c. Total and Dissolved Metals (including mercury) – 5 mL Nitric acid (water samples).
    d. Cyanide – 15-20 Sodium Hydroxide pellets (water samples).

e. Chemical Oxygen Demand, Oil and Grease, Organic Carbon, Phenolics, Total Dissolved Phosphorous, Hydrolyzable Phosphorus, Ammonia, Nitrate and Nitrite – 5 mL Sulfuric acid (water samples).

6. Immediately replace and tighten the sample container cap.
7. Collect sample using equipment and procedures outlined in other SOPs as appropriate. The volume of the sample collected shall be sufficient to conduct the analysis required, as well as associated quality assurance/quality control samples (QA/QC).
8. Place samples immediately in the pre-preserved sample containers.
9. Chill all samples to 4^{o}C from sample collection until laboratory analysis.
10. Package and ship samples.

D. QA/QC Requirements:

This section includes QA/QC requirements associated with sample containers, volumes, preservations, and holding times. The following general requirements apply to this SOP:

1. All data must be documented on field data sheets or within site logbooks.
2. All instrumentation must be operated in accordance with operating instructions as supplied by the manufacturer, unless otherwise specified in the work plan.
3. Equipment checkout and calibration activities must occur prior to sampling/operation, and must be documented.
4. QA/QC samples shall be collected in accordance with SOP #005.

The following procedure shall be conducted to provide a QA/QC check of water (aqueous) samples to ensure the samples were preserved to the proper pH prior to shipping for laboratory analysis.

Volatile Organic Compounds:

1. Collect one additional VOA vial at every third aqueous sampling location.
2. Fill the extra vial with the sample.
3. Using the extra VOA vial, remove the cap and using a clean, 10 mL glass pipette extract approximately 1 mL of water.
4. Place two drops of the water on a 1-inch strip of 0-3 range pH paper.
5. Compare pH strip's color while wet with that of the color key included on the pH paper container.
6. If pH is not less than 2, add additional HCL to the remaining 3 VOA vials prior to collecting the sample.
7. Discard the vial used to check the pH.

Total and Dissolved Metals, Mercury, Ammonia, Nitrate plus Nitrite, Total Dissolved Phosphorus, COD, Oil & Grease, Organic Carbon, Phenolics:

1. Collect sample and tightly reseal the cap.
2. Agitate the sample by gently shaking the sample bottle to mix the acid and water.
3. Remove the cap and using a clean, 10 mL glass pipette extract approximately 1 mL of sample.
4. Place approximately two drops of sample on a 1 inch strip of 0-3 range pH paper.

5. Compare pH strip's color while wet with that of the color key included on the pH paper container.
6. If pH is not less than 2, add appropriate additional Sulfuric Acid to the sample using a clean pipette.
7. Recheck sample using steps 2 through 6 until sample pH is less than 2.

Cyanide:

1. Collect sample and tightly reseal the cap.
2. Agitate the sample by gently shaking the sample bottle until the NaOH pellets are dissolved.
3. Remove the cap and using a clean 10 mL glass pipette extract approximately 1 mL of sample.
4. Place approximately two drops of sample on a 1-inch strip of 12-14 range pH paper.
5. Compare pH strip's color while wet with that of the color key included on the pH paper container.
6. If pH is not greater than 12, add additional NaOH to the sample using standard procedures.
7. Recheck sample using steps 2 through 6 until sample pH is greater than 12.

E. Special Conditions:

None

F. References:

Eurofins Test America

G. Appendices or Forms:

Table 1 Laboratory Analysis: Summarizing parameters, methods, preservations, container type, holding times and minimum sample volumes are included as an attachment to this SOP.

Table 1

Laboratory Analysis	EPA Method	Standard Method and/or SW846 Method	Preservation	Container	Holding Time	Minimum Volume
WATER						
Acid Soluble & Insoluble Sulfide	-----	9030B	Cool to 4 deg C No Headspace	P or G	7 Days	8 oz.
Acidity as CaCO3	305.1	2310B	Cool to 4 deg C	P or G	14 Days	100 mL
Alkalinity	-----	2320B	Cool to 4 deg C	P or G	14 Days	100 mL
Alkalinity as CaCO3	310.1	2320B	Cool to 4 deg C	P or G	14 Days	100 mL
Ammonia	350.2/.3	4500-NH3 B,E	Cool to 4 deg C, H2SO4 to pH<2	P or G	28 Days	400 mL
Aromatic Hydrocarbons	602	8021B	1:1 HCl to pH <2, Cool to 4 deg C 0.008% Na2S2O3 if residual chlorine present	G, Vial screw cap with center hole Teflon- faced silicone septum	14 Days	40 mL
Biochemical Oxygen Demand	405.1	5210B	Cool to 4 deg C	P or G	48 Hrs.	500 mL
Bromide	300	-----	None	P or G	28 Days	250 mL
Calcium	-----	3120B	HNO3 to pH<2	P or G	6 Months	100 mL
Calcium- Hardness	200.7	3111B	HNO3 to pH<2	P or G	6 Months	100 mL
Carbamates	531.1	-----	Cool to 4 deg C, 0.08% Na2S2O3 if residual chlorine present	G, screw cap Teflon faced silicone septum	14 Days	100 mL mL
Carbonaceous BOD	-----	5210B	Cool to 4 deg C	P or G	48 Hrs.	1000 mL
Chloride	300	4500-CL D 4110	Cool to 4 deg C	P or G	28 Days	100 mL
Chloride, Residual Disinfectant	-----	4500Cl-G	Cool to 4 deg C	P or G	Analyze Immediately	200 mL
COD	410.4	5220D	H2S04 to pH<2, Cool to 4 deg C	P	28 days	250 mL
Color	-----	2120B	Cool to 4 deg C	P or G	24 Hrs	100 mL
Conductivity	-----	2510B	Cool to 4 deg C	P or G	28 Days	100 mL
Cyanide	335.4	4500-CN C&E	Cool to 4 deg C NaOH pH>12	P or G	14 Days	250 mL
Cyanide	335.2	9010B, 9012A, 9014	Cool to 4 deg C, NaOH to pH>12 0.6 g ascorbic acid if residual chlorine present	P or G	Sulfide absent, 14 days; sulfide present 24 Hrs	250 mL
Cyanide, Amenable	335.1					
Dioxin	-----	8280A	Cool to 4 deg C 0.008% Na2S2O3 if residual chlorine present	G, Amber Teflon-lined screw cap	7 days until extraction 40 days after extraction	1000 mL
DRO	-----	8015B	Cool to 4 deg C 0.008% Na2S2O3 if residual chlorine present	G, Amber Teflon-lined screw cap	7 days until extraction 40 days after extraction	1000 mL
Escherichia Coli	-----	9222B	0.008% Na2S203 if residual chlorine present 0.3 mL/125 mL 15% EDTA if > 0.01 mg/L heavy metals	Sterile P or G	30 Hrs. for Drinking Water 6 Hrs. for Waste Water	125 mL
Extractable Org. Compounds			Cool to 4 deg C, Store in dark	G, Amber Teflon-lined screw cap	*7 days	4000 mL

Table 1

Laboratory Analysis	EPA Method	Standard Method and/or SW846 Method	Preservation	Container	Holding Time	Minimum Volume
Fecal Coliform	-----	9222B or D	0.008% Na2S203 if residual chlorine present 0.3 mL/125 mL 15% EDTA if > 0.01 mg/L heavy metals	Sterile P or G	30 Hrs. for Drinking Water 6 Hrs. for Waste Water	125 mL
Fecal Streptococci	-----	9230C	Cool to 4 deg C 0.008% Na2S2O3 if residual chlorine present	Sterile P or G	30 Hrs. for Drinking Water 6 Hrs. for Waste Water	125 mL
Fluoride	300	4500 F-B,C S	Cool to 4 deg C	P or G	28 Days	300 mL
Foaming Agents (MBAS)	-----	5540C	Cool to 4 deg C	P or G	48 Hrs	250 mL
Gases	-----	3810	Cool to 4 deg C 0.008% Na2S2O3 if residual chlorine present 1:1 HCl to pH <2	G, Vial screw cap with center hole Teflon- faced silicone septum	7 days without HCl 14 days with HCl	40 mL
GRO	-----	8015B	1:1 HCl to pH <2, Cool to 4 deg C 0.008% Na2S2O3 if residual chlorine present	G, Vial screw cap with center hole Teflon- faced silicone septum	7 days w/o HCl 14 days w/HCl	40 mL
Hardness			HNO3 to pH<2	P	6 months	1000 mL
Heterotrophic Plate Count	-----	9215B	Cool to 4 deg C 0.008% Na2S2O3 if residual chlorine present	Sterile P or G	30 Hrs. for Drinking Water 6 Hrs. for Waste Water	125 mL
Hexavalent Chromium	7196A	3500Cr-D	Cool to 4 deg C	P	24 hours	500 mL
HPLC (Explosive)	------	8330	Cool to 4 deg C	G, Amber Teflon-lined screw cap	7 days until extraction 40 days after extraction	1000mL
HPLC (Explosive)	------	8310	Cool to 4 deg C	G, Amber Teflon-lined screw cap		1000mL
Mercury	-----	7470A	Cool to 4 deg C	P or G	28 Days	8 oz.
Metals	200.7	-----	HNO3 to pH<2	P	6 Months	100 mL
Nitrate	300	-----	Cool to 4 deg C	P or G	48 Hrs.	100 mL
Nitrate (Chlorinated)	353.2	4500-NO3 F	Cool to 4 deg C	P or G	48 Hrs	250 mL
Nitrate (Non- chlorinated)	353.2	4500-NO3 F	H2SO4 to pH<2, Cool to 4 deg C	P or G	14 Days	250 mL
Nitrite	300, 353.2, 354.1	4500-NO3 D	Cool to 4 deg C	P or G	48 Hrs	100 mL
Odor	-----	2150B	Cool to 4 deg C	G only	24 Hrs	200 mL
Oil and Grease		1664	HCl to pH<2, Cool to 4 deg C	G, Amber Teflon-lined screw cap	28 days	1000 mL
Organic Nitrogen	351.1	-----	Cool to 4 deg C, H2SO4 to pH<2	G	28 Days	500 mL

Table 1

Laboratory Analysis	EPA Method	Standard Method and/or SW846 Method	Preservation	Container	Holding Time	Minimum Volume
Organochlorine Pesticides/PCB	608	8081A,8082	Cool to 4 deg C 0.008% $Na_2S_2O_3$ if residual chlorine present If aldrin is to be determined bind to pH 5-9.	G, Amber Teflon-lined screw cap	7 days until extraction 40 days after extraction	1000 mL
Ortho Phosphate	300	4500 P-E	Cool to 4 deg C	P or G	48 Hrs	50 mL
Orthophosphate	365.2	-----	Filter immediately, Cool to 4 deg C	P or G	48 Hrs.	50 mL
pH, Hydrogen ion	-----	4500-H-B	Cool to 4 deg C	P or G	Analyze Immediately	25 mL
Phenols	420.1	9065, 510ABC	Cool to 4 deg C, H_2SO_4 to pH<2	G	28 Days	500 mL
Pseudomanas Aeruginosa	-----	9213E	Cool to 4 deg C 0.008% $Na_2S_2O_3$ if residual chlorine present	Sterile P or G	30 Hrs. for Drinking Water 6 Hrs. for Waste Water	125 mL
Purgeable Halocarbons	601	8021B	Cool to 4 deg C 0.008% $Na_2S_2O_3$ if residual chlorine present	G, Vial screw cap with center hole Teflon- faced silicone septum	14 Days	40 mL
Radiological	-----	-----	HNO_3 to pH<2	P or G	6 Months	100 mL
Residue- Settleable (SS)	160.5	-----	Cool to 4 deg C	P or G	48 Hrs.	1000 mL
Residue-filtered (TDS)	160.1	-----	Cool to 4 deg C	P or G	7 Days	100 mL
Residue-non- filtered (TSS)	160.2	-----	Cool to 4 deg C	P or G	7 Days	100 mL
Residue-Total Volatile Solids	160.4	2540 E	Cool to 4 deg C	P or G	7 Days	100 mL
Salinity	-----	2520 C	Cool to 4 deg C	G	28 Days	100 mL
Semivolatile Organic Compounds (Unregulated)	525.2	-----	If residual chlorine is present, add 40-50 mg Sodium Thiosulfate. If not chlorinated, add 6N HCl to pH<2 Cool to 4 deg C	G, Amber Teflon-lined screw cap	7 Days for extraction, 30 after extraction	1000 mL
Semivolatile Organics	625	8270C	Cool to 4 deg C 0.008% $Na_2S_2O_3$ if residual chlorine present	G, Amber Teflon-lined screw cap	7 days for extraction 40 days after extraction	1000 mL
Silica	200.7	-----	Cool to 4 deg C	P only	7 Days	50 mL
Specific Conductance	120.1	-----	Cool to 4 deg C	P or G	28 Days	100 mL
Sulfate	300	4500-SO_4	Cool to 4 deg C	P or G	28 Days	50 mL
Sulfate	375.4	-----	Cool to 4 deg C	P or G	28 Days	50 mL
Sulfide	376.2	9030 B, 4500S2-AD	Cool to 4 deg C, add zinc plus NaOH to pH>9	P or G	7 Days	50 mL
Sulfite (SO_3)	377.1	-----	None Required	G, Bottle and Top	Analyze immediately	50 mL
Surfactants (MBAS)	425.1	-----	Cool to 4 deg C	P or G	48 Hrs.	250 mL

Table 1

Laboratory Analysis	EPA Method	Standard Method and/or SW846 Method	Preservation	Container	Holding Time	Minimum Volume
TDS			Cool to 4 deg C	P	7 days	500 mL
Temperature	-----	2550B	None	P or G	Analyze Immediately	1000 mL
Temperature	170.1	-----	None Required	G, Bottle and Top	Analyze immediately	1000 mL
Total Kjeldahl Nitrogen	353.3/.1	4500Norg-C	H2S04 to pH<2 , Cool to 4 deg C	P	28 days	250 mL
Total Coliform	-----	9221D	0.008% Na2S203 if residual chlorine present 0.3 mL/125 mL 15% EDTA if > 0.01 mg/L heavy metals	Sterile P or G	30 Hrs. for Drinking Water 6 Hrs. for Waste Water	125 mL
Total Dissolved Solids	160.1	2540C	Cool to 4 deg C	P or G	7 Days	100 mL
Total Hardness	130.2 , 200.7	-----	HNO3 to pH<2 H2SO4 to pH<2	P or G	6 Months	100 mL
Total Kjeldahl Nitrogen	351.3	-----	H2SO4 to pH<2	P or G	28 Days	500 mL
Total Metals	200.7 200.8	6010B, 6020, 7000A	HNO3 to pH<2	P	6 months (Hg 28 days)	500 mL
Total Organic Carbon (TOC)	415.1	9060, 5310C	H2SO4 to pH<2, Cool to 4 deg C	G, Amber Teflon-lined screw cap	28 days	80 mL
Total Organic Halides		5320B	1N H2SO4 to pH<2	P or G	28 Days	50 mL
Total Phosphorus	365.2	-----	Cool to 4 deg C, H2SO4 to pH<2	G	28 Days	50 mL
Total Recoverable Oil & Grease	413.1,166 4A	-----	Cool to 4 deg C, HCL or H2SO4 to pH<2	G	Petroleum Based 3 Days; Non-Petroleum Based 24 hours	1000 mL
Total-Residue (TS)	160.3	2540B	Cool to 4 deg C	P or G	7 Days	100 mL
Turbidity	180.1	2130B	Cool to 4 deg C	P or G	48 Hrs	100 mL
Volatile Organics	624	8260B	1:1 HCl to pH <2, Cool to 4 deg C 0.008% Na2S2O3 if residual chlorine present	G, Vial screw cap with center hole Teflon-faced silicone septum	7 days w/o HCl 14 days w/HCl	40 mL
Volatiles (Regulated)	524.2	-----	Cool to 4 deg C HCl to pH<2	G, Vial screw cap with center hole Teflon-faced silicone septum	14 Days	60-120 mL
SOIL						
Acid Soluble & Insoluble Sulfide	-----	9030B	Cool to 4 deg C, no headspace	P or G	7 Days	8 oz.
Amenable Cyanide	-----	9213	Cool to 4 deg C	P or G	14 Days	4 oz.
Bromide	-----	9211	Cool to 4 deg C	P or G	28 Days	8 oz.
Cation - Exchange Capacity	-----	9080, 9081	None	P	-----	8 oz.
Chloride	-----	9212, 9056, 9253	None	P or G	28 Days	8 oz.
Chlorinated Herbicides	-----	8151A	Cool to 4 deg C	G, wide mouth, teflon liner	14 Days	8 oz.
Corrosivity pH Waste>20% water	-----	9040B	Cool to 4 deg C	P	Analyze Immediately	4 oz.

Table 1

Laboratory Analysis	EPA Method	Standard Method and/or SW846 Method	Preservation	Container	Holding Time	Minimum Volume
Corrosivity Toward Steel	-----	1110	Cool to 4 deg C	P	14 Days	4 oz.
Cyanide		9010B, 4500CN	Cool to 4 deg C	G, Amber	14 Days	4 oz
Dioxin	-----	8280A	Cool to 4 deg C	G	14 Days	8 oz.
DRO	-----	8015B	Cool to 4 deg C	G, Amber	14 Days	4 oz.
Extractable Organic Compounds			Cool to 4 deg C, Store in dark	G	14 days	8 oz
Extractable Sulfide	-----	9031	Cool to 4 deg C, fill top of sample with 2N Zinc Acetate until moistened	P or G	7 Days	8 oz.
Fluoride	-----	9214	None	P	28 Days	8 oz.
Gases	-----	3810	Cool to 4 deg C	G, Amber	14 Days	8 oz.
Grain Size			N/A	G	N/A	8 oz
GRO	-----	8015B	Cool to 4 deg C, check state regulations for proper preservative. NJ (methanol), PA (encore samplers) NY (cool to 4 deg C).	G, Amber VOA vial	14 Days	15 Grams
HPLC (PAH)	------	8310	Cool to 4 deg C	G, Amber Teflon-lined screw cap	14 days until extraction 40 days after extraction	4 oz.
Ignitability	-----	1010	None	P or G	None	8 oz.
Ignitability of Solids		1030	None	P or G	None	8 oz.
Mercury	245.1	7471A	Cool to 4 deg C	G, Amber	28 Days	4 oz.
Metals	-----	6010B, 6020, 7000A	Cool to 4 deg C	G, Amber	6 Months	8 oz.
Moisture Content			Store in airtight jar 3-30 deg C	G	N/A	8 oz
Nitrate	-----	9210	Cool to 4 deg C	P or G	48 Hrs	8 oz.
Oil & Grease (Sludge, Sludge- Hem)	-----	9071B	Cool to 4 deg C	G	28 Days	8 oz.
Organochlorine	-----	8081A	Cool to 4 deg C	P or G	14 Days	8 oz.
Paint Filter Liquids Test	-----	9095A	Cool to 4 deg C	P or G	-----	8 oz.
PCBs	-----	8082	Cool to 4 deg C	G, Amber Teflon-lined screw cap	14 Days	4 oz.
pH	-----	9045C	Cool to 4 deg C	G, Amber	Analyze Immediately	4 oz.
pH, Soil and Waste	-----	9045A	Cool to 4 deg C	G	Analyze Immediately	8 oz.
Phenol	-----	9065, 9066, 9067	Cool to 4 deg C	G, Amber	28 Days	4 oz.
Radiological	-----	-----	Cool to 4 deg C	G	6 Months	8 oz.
Reactivity Cyanide	-----	SW-846 7.3.3.2	Cool to 4 deg C	P	14 Days	8 oz.
Reactivity Sulfide	-----	SW-846 7.3.4.2	Cool to 4 deg C	P	14 Days	8 oz.
Semivolatile Organics	-----	8270C	Cool to 4 deg C	G, Amber	14 Days	8 oz.

Table 1

Laboratory Analysis	EPA Method	Standard Method and/or SW846 Method	Preservation	Container	Holding Time	Minimum Volume
Sulfate	-----	9035, 9036, 9038	Cool to 4 deg C	P or G	28 Days	8 oz.
Sulfides	-----	9215	Cool to 4 deg C	P or G	7 Days	8 oz.
TCLP Metals	-----	1311, 6010B, 6020, 7000A, 7470A	Cool to 4 deg C	G, Amber	180 Days (Hg 28 days)	8 oz
TCLP Herbicides	-----	1311	Cool to 4 deg C	G, Amber	14 Days	8 oz.
TCLP Pesticides	-----	1311	Cool to 4 deg C	G, Amber	14 Days	8 oz.
TCLP Semivolatile Organics	-----	1311, 8270C, 8081A, 8151A	Cool to 4 deg C	G, Amber Teflon Lined	14 Days	8 oz.
TCLP Volatile Organics	-----	1311, 8260B	Cool to 4 deg C	G, Amber VOA Vial Teflon Lined	14 Days	8 oz.
Temperature	-----	2550	-----	P	Analyze Immediately	4 oz.
TOC		Lloyd Kahn Method	Cool to 4 deg C	G, Amber	14 days	4 oz.
Total Coliform	-----	9131	Cool to 4 deg C	Sterile, P or G	6 Hrs	4 oz.
Total Coliform	-----	9132	Cool to 4 deg C	Sterile, P or G	6 Hrs	4 oz.
Total Cyanide	-----	9013	Cool to 4 deg C	P or G	14 Days	8 oz.
Volatile Organic Compounds	-----	8260B	Cool to 4 deg C Check individual state regulations for proper preservative. NJ (methanol), PA (encore samplers), NY (cool to 4 deg C)	G, wide mouth, teflon liner	14 Days	4 oz.
Volatile Organic Compounds	-----	8021		G, wide mouth, teflon liner	14 Days	4 oz.
CLP Sampling and Holding Time Information						
Cyanide (aqueous)	ILM04.1		NaOH to pH>12, Cool to 4 deg C	P	12 Days VTSR	1000ml
Cyanide**	ILM04.1		Cool to 4 deg C	G		8 oz
Mercury (aqueous)	ILM04.1		HNO3 to pH<2, Cool to 4 deg C	P	26 Days VTSR	1000ml
Mercury (solid/soils)	ILM04.1		Cool to 4 deg C	G		8 oz
Metals (aqueous)	ILM04.1		HNO3 to pH<2, Cool to 4 deg C	P	180 Days VTSR	1000ml
Metals (solid/soils)	ILM04.1		Cool to 4 deg C	G		8 oz
PCBs (aqueous)	OLM04.2		Na2S203, Cool to 4 deg C	G	See Note 7	1000ml
PCBs (solid/soils)	OLM04.2		Cool to 4 deg C	G	See Note 6	8 oz
Pesticides (aqueous)	OLM04.2		Na2S203, Cool to 4 deg C	G	See Note 7	1000ml
Pesticides (solid/soils)	OLM04.2		Cool to 4 deg C	G	See Note 6	8 oz
Semivolatile Organic Compounds (aqueous)	OMLO4.2		Cool to 4 deg C	G	See Note 8	1000ml
Semivolatile Organic Compounds (solid/soils)	OLM04.2		Cool to 4 deg C	G	See Note 6	8 oz
Volatile Organic Compounds (aqueous)	OLM04.2		HCL pH < 2, Cool to 4 deg C	G	W/preservative: 10 days VTSR; W/O: 7 days VTSR	40ml
Volatile Organic Compounds (solid/soils)	OLM04.2		Cool to 4 deg C	G	10 Days VTSR	4 oz

Table 1

Laboratory Analysis	EPA Method	Standard Method and/or SW846 Method	Preservation	Container	Holding Time	Minimum Volume

Notes:

1. P - Plastic.
2. G - Glass.
3. Minimum volume is the minimum volume required by the laboratory to conduct the analysis. The laboratory will likely require additional sample volume.
4. * Extraction within seven (7) days of collection; analysis within 40 days of extraction.
5. **When chlorine is present ascorbic acid is used to remove the interference (0.6 g ascorbic acid).
6. VTSR - Validated time of sample receipt.
7. Ten (10) days from VTSR for extraction and 40 days following extraction.
8. Five (5) days from VTSR for extration 14 days after extraction.
9. Five (5) days from VTSR for extraction 40 days after extraction.
10. Holding times are from the time of sample collection unless otherwise noted.

Table 1

Laboratory Analysis	EPA Method	Standard Method and/or SW846 Method	Preservation	Container	Holding Time	Minimum Volume
1, 4 Dioxane (Soil)	-	8270D	Cool to 4 deg C	G, Amber	14 Days	4 oz.
1,4 Dioxane (Water)	-	8270 SIM	Cool to 4 deg C	G, Amber	14 Days	1000 mL
PFAS (Soil)	-	1633	Cool to 4 deg C	P, Non-Teflon Lined	28 Days	8 oz.
PFAS (Water)	-	1633	Cool to 4 deg C	P, Non-Teflon Lined	28 Days	250 mL

Notes:

1. P - Plastic
2. G - Glass
3. Minimum volume is the minimum volume required by the laboratory to conduct analysis. The laboratory will likely require additional sample volume.
4. * Extraction within seven (7) days of collection; analysis within 40 days of extraction.
5. ** When chlorine is present ascorbis is used to remove the interference (0.6 g ascorbic acid).
6. VTSR - Validated time of sample receipt.
7. Ten (10) days from VTSR for extraction and 40 days following extraction.
8. Five (5) days from VTSR for extraction 14 days after extraction.
9. Five (5) days from VTSR for extraction 40 days after extraction.
10. Holding times are from the time of sample collection unless otherwise noted.

Completing a Chain of Custody Record

Standard Operating Procedure #004

A. Purpose and Scope:

This protocol provides a standard operating procedure (SOP) for initiating and maintaining a Chain of Custody (COC) document. A COC is a legal document designed to track persons who are responsible for the preparation of the sample container, sample collection, sample delivery, sample storage, and sample analysis. A COC is an appropriate format to record important data associated with each individual sample. In general, a sample requiring a COC will follow a path as follows:

Sample Collector → Sample Courier/Operator → Sample Manager

Verification of who has possessed the samples and data and where the samples have been is completed when staff follow chain-of-custody procedures.

B. Equipment and Materials:

- Chain of Custody form
- Ball-point/permanent pens
- Gallon sized Ziploc Bag (to keep document dry)
- Field Logbook
- Custody seals
- Padlock(s) (if needed)

C. Procedure:

1. Once a sample has been determined to require a COC, the Sample Collector must initiate the COC. The Sample Collector must fill in the fields provided on the COC. The words "Chain of Custody" must be located in a conspicuous location at the top of the document.

2. The form is generally a three-page carbon copy document, including a white, yellow and pink sheet. While LaBella generally uses COCs provided by the applicable laboratory, it is important to ensure that the COC from each lab contains places for all necessary information.

3. The COC at that time should include the applicable project number, the project name and location.

4. The Client Information Section must be completed. In most cases the "client" will be LaBella Technologies, Inc. or entity procuring services.

5. The first field of information is the Sample Identification or Sample Identification Number. This identification/number must match the identification/number located on the sample container.

6. An information line for the date, time, phone number, printed name of Sample Collector, signature of Sample Collector, organization name (no acronyms), organization's full mailing address, and sample description must also be included.

7. Sampling personnel should enter the sample Identification or number(s) (which should correspond with a unique number on each sample container, and parameters to be analyzed. The "Sample ID" must be included and must match the number on the sample.

8. Subsequent fields must be provided to allow for documentation of information about any subsequent Sample Couriers/Operators or Sample Managers. These fields must contain the date, time, phone number, printed name of person taking custody of sample, signature of person taking custody of sample and organization name (no acronyms).

9. Field Information - The COC must contain places to enter the following field information: sample number, sampling date, and type of sample. Other field information may be recorded as specified in the field sampling plan or proposal for the project. It is imperative that there be only one (1) sample with a particular sample number per project/study so as to prevent duplicates in Excel files and EQuIS databases.

10. Laboratory Information - Once the sample is delivered to the lab, the laboratory personnel will sign and date the "received by" line located at the bottom of the COC. Other laboratory information may be recorded as specified in the project/study work plan/proposal.

11. Signatures - The COC must contain places for all people who handle the sample to sign his/her name. This is a record of persons who had custody of the sample during all steps of the process from container preparation, sample collection, sample storage and transport, and sample analysis. There should be signature lines to relinquish custody of the sample and to receive custody of the sample.

D. QA/QC Requirements:

The Field Team Leader or senior person on the sampling team will review the completed COC form to verify that all fields are properly completed. For purposes of this SOP, signing the form under Collected/Delivered by is considered evidence that the COC form has been checked for accuracy and completeness. Any project related questions concerning the COC should be directed toward the Project Manager.

E. Special Conditions:

Whenever samples are split with a source or government agency, a separate chain of custody form should be completed for the samples and the relinquisher (sampler) and recipient should sign. If a representative is unavailable or refuses to sign for the samples, this can be noted in the "remarks" area of the form. When appropriate, as in the case where the representative is unavailable, the custody record should contain a statement that the samples were delivered to the designated location at the designated time. A copy of the chain of custody form for split samples must be kept with the project file.

Samples may require short term storage in field locations prior to delivery to the laboratory for analyses. The storage may be in vehicles or lodging locations. The samples must be secured to limit access to them. A locked vehicle is considered controlled access. However, simply a locked lodging room is not secure due to potential custodial access. If an unattended lodging room is used for sample storage, the samples must be further secured. This may entail a padlock on the ice chest, samples in an ice chest secured in an inner bag with a custody seal on it, and/or ice chest taped shut with custody seal on the outside of it.

F. References:

Sampling Guidelines and Protocols, NYSDEC, DER-10 Chapter 2

G. Appendices or Forms:

The COC used should be specific to each laboratory.

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Quality Assurance Quality Control Samples

Standard Operating Procedure #005

A. Purpose and Scope:

This standard operating procedure explains the purpose and correct usage of Quality Assurance/Quality Control (QA/QC) samples. QA/QC samples are intended to validate the results of sample analysis by providing the means to determine the influence of outside factors on the sample and analysis. There are several types of QA/QC samples in use to ensure the best practices are being followed by both the laboratory preforming the analysis and the sampling team in the field. This is a general procedure for the use of QA/QC samples. Also refer to any guidelines provided by the laboratory.

B. Equipment and Materials:

QA/QC samples require the following materials:

- Sample containers:
  - They should be the same containers in number and type of preservative as the containers for the samples for which QA/QC samples are being taken
- Analyte-free water
- Any laboratory supplied QA/QC materials

C. Procedure:

The following are types of QA/QC samples.

1. Duplicate Sample

   A duplicate sample is a sample that is collected concurrently with the routine samples. It consists of an additional set of sample containers to be analyzed for the same parameters as the routine samples. It is taken at a sample point of the samplers choosing and at the same time as the routine sample for that sample point is taken. It is labeled and included on the Chain of Custody (COC) with a name unknown to the laboratory.

   Example:
   - Sample Point ID is **MW-1**
   - Duplicate Sample ID is **AZT-1**

   The duplicate sample is submitted as a 'blind' sample to the laboratory. The purpose of a duplicate sample is to allow the sampler to determine the precision of laboratory analysis. The results of the duplicate sample are compared with the results of the concurrent routine sample by the sampler. These results should be within the margin of error for the test being performed.

   One (1) duplicate sample should be taken for every twenty (20) routine samples. For example if 16 samples points were sampled, there would be 1 duplicate sample taken at one (1) of the sample points for a total of 17 sample sets submitted to the lab.

2. Field Blank

   The Field Blank sample is a type of QA/QC sample used to account for possible external contamination of the routine samples, usually by exposure to the air from being on site. It consists

of an additional set of sample containers to be analyzed for the same parameters as the routine samples. It is common to only conduct a Field Blank for volatile organic compound (VOC) parameters even when sampling to additional parameters. This is because VOCs are more likely to be present in the atmosphere at the site then a parameter like metals. However a Field Blank can be conducted for any parameter.

The containers are prepared prior to sampling by filling the containers with analyte-free water. The containers are then transported with the routine sample containers to the site. Once at the site the containers are placed in a location representative of the site conditions and their caps are removed. At the end of the sampling event the caps are then replaced. The sample is labeled and included on the COC as **Field Blank** or **FB**.

If any results are positive for the Field Blank it can be assumed that the routine samples have also been exposed to a similar amount of contaminant and that contaminant is probably present in the atmosphere at the site.

One (1) Field Blank should be taken as required for each day of sampling at the site. They are only used for the collection of aqueous samples.

3. Equipment Blank

An Equipment Blank is a QA/QC sample designed to measure the effectiveness of the decontamination of field equipment. It consists of an additional set of sample containers being analyzed for the same parameters as the routine samples.

An Equipment Blank is collected by pouring analyte-free water directly over/on/into the decontaminated sampling equipment coming into contact with the samples being collected. The water is then collected in the sample containers. Once the containers are filled they are capped and sent to the lab with the other routine samples. The sample is labeled and included on the COC as **Equipment Blank** or **EQ Blank**.

A positive result for the analysis of the Equipment Blank could signal inadequate decontamination of the equipment which may result in cross-contaminated samples and thus suspect results.

One (1) Equipment Blank should be taken for every twenty (20) routine samples collected. The Equipment Blank is not necessary when using dedicated sampling equipment or sampling equipment that is disposed of between each sample point.

4. Matrix Spike/Matrix Spike Duplicate Sample

The Matrix Spike/Matrix Spike Duplicate (MS/MSD) Sample is a quality control system used by the laboratory to check the accuracy of their instruments. It consists of a set of two (2) samples taken at a sample point concurrently with the routine sample for a total of three (3) sets of containers for that sample point. Therefore, the MS/MSD samples should be collected from sample points with sufficient sample volume (e.g., monitoring wells that have low recharge are not good candidates). They are labeled and included on the COC as 'Sample ID' MS and 'Sample ID MSD'

Example:

- Sample Point ID is **MW-1**
- Matrix Spike would be **MW-1 MS**
- Matrix Spike Duplicate would be **MW-1 MSD**

The MS/MSD samples are submitted to the laboratory with the routine samples. Once at the laboratory, they will have a known amount of an analyte added, known as the spike. The sample will then be run as a routine sample. Once the results are received they are compared to the results of the routine sample (MW-1 results are compared to MW-1 MS results). There should be a difference in the amount of analyte detected between the samples that should be within the margin of error of the amount of analyte spike that was added to the MS sample. This process is repeated for the MSD sample. This process is an internal review of results for the laboratory to determine the accuracy of their instruments.

One (1) MS/MSD set should be taken for every twenty (20) samples (including Duplicate Samples and Field or Equipment Blank Samples). For example if 12 samples are taken, there should also be a set of MS/MSD samples taken for a total of 14 sample sets submitted to the lab. If 20 samples will be taken, only one set of MS/MSD samples needs to be submitted (total number of samples being 22).

The following QA/QC samples are used for only specific analyses or functions.

5. Trip Blank

A Trip Blank is a form of QA/QC that is utilized to account for possible exposure to an external source of VOCs during storage and transport of the sample containers and samples to and from the laboratory. It consists of a VOC sample container prepared by the laboratory and filled with analyte-free water. Trip Blanks are only required when aqueous samples are being collected for VOC analysis, all other parameters do not need one.

The Trip Blank is placed in the cooler with the sample containers when they are sent form the lab to the client. The Trip Blanks will remain in the cooler with the sample containers at all times. When the samples are collected they are placed in the cooler and put on ice with the Trip Blanks for shipment to the lab. At no time should the Trip Blanks be opened or removed from the coolers containing VOC samples. The Trip Blank should be labeled and included on the COC as **Trip Blank** or **TB**.

Each cooler that contains samples for VOC analysis must have a Trip Blank. It is good practice to combine all VOC containers from a site into one (1) cooler to minimize the number of Trip Blanks required. For example if there are five (5) coolers of samples, place all the VOC containers into one (1) cooler and the remaining containers in the other four (4) coolers. Thus only the VOC cooler requires a Trip Blank, which saves on the cost of analysis.

A positive result on the Trip Blank for a VOC could indicate the samples had been exposed during transportation which can have an effect on the results of the routine samples.

Different laboratories have different practices concerning their Trip Blanks. For example some laboratories will include just one (1) VOA vial as their trip blank while others will utilize multiple vials for theirs. The extra vials are often included only as a backup in the event one of the Trip Blank vials is broken during transport, and will not be analyzed unless necessary.

D. QA/QC Requirements:

None

A. Special Conditions:

Temperature Blanks are a type of QA/QC that fall outside of the umbrella of QA/QC Samples.

A Temperature Blank is a container provided by the lab and is used to obtain the temperature of the cooler upon receipt at the lab, usually with an infrared thermometer. It is generally a ~125 mL plastic bottle filled with tap water.

- The Temperature Blank should be left in the cooler during sampling. When the cooler is being prepared for shipment, place the Temperature Blank in the center of the cooler next to the sample containers. There is no need to open the container; it is filled with tap water and therefore harmless unless otherwise noted on the container.

- It should be noted that not all laboratories require a Temperature Blank. There is no cost associated with the Temperature Blanks in the coolers.

B. References:

United States Environmental Protection Agency (July 2007), *Samplers Guide, Contract Laboratory Program Guidance for Field Samplers*, Section 3.4, retrieved April 6, 2009, from http://www.epa.gov/superfund/programs/clp/download/sampler/clp_sampler_guidance.pdf

United States Environmental Protection Agency (May 2002), *Ground-Water Sampling Guidelines for Superfund and RCRA Project Managers*, Page 34, retrieved December 15, 2010, from http://www.epa.gov/tio/tsp/download/gw_sampling_guide.pdf

NYSDEC, DER, May 2010, DER-10, Technical Guidance for Site Investigation and Remediation, Chapter 2.

C. Appendices or Forms:

None

Sampling Perfluoroalkyl Substances (PFAS) and Perfluorinated Compounds (PFCS)

Standard Operating Procedure #006

A. Purpose and Scope:

The objective of this SOP is to ensure proper and uncontaminated collection of Perfluoroalkyl Substances (PFASs) and other Perfluorinated Compounds (PFCs). PFASs and PFCs are large groups of compounds used in industrial applications, applied to many household products for grease, water, and stain resistance, and heavily used in Aqueous Film Forming Foams (AFFF) which are often used in firefighting. Although there are no federal regulations currently requiring remedial action for these chemicals, many states are adopting rules and regulation regarding these compounds. As rules continue to develop for these contaminants permitted and non-permitted equipment, materials, and procedure are subject to change. The user of this SOP should consult with applicable regulatory agencies to determine a final list of compounds that need to be analyzed.

Note: This SOP has been developed assuming that there are no elevated concentrations of more toxic chemicals present at the site warranting additional personal protective equipment. However, prior to commencing sampling activities, the sampler should consider all potential contaminants at the site and determine if additional protocols are necessary.

Due to the prevalence of these chemicals in common goods, it is imperative that field personnel are conscious of potential cross contamination. This contamination can be from field equipment, field clothing and PPE, sample containers, decontamination, and food.

B. Equipment and Materials:

Field equipment, field clothing, PPE, sample containers, and any other items used or present on site made of or containing the following materials **ARE NOT PERMITTED**:

- Low Density Polyethylene (LDPE) – pumps and tubing Only [permitted for sample containers]
- Aluminum foil
- Glass
- Polytetrafluoroethylene (PTFE) / Teflon™
- Waterproofed clothing or boots
- Clothing containing PTFE material (i.e. GORE-TEX®)
- New clothing (clothing not washed a minimum of 6 times) or clothing washed with fabric softeners
- Tyvek® material
- Waterproof/treated paper or field books
- Plastic clipboards, binders, or spiral hard cover notebooks
- Post-it notes or other adhesives
- Sharpies or other permanent markers
- Paint pens, marking paint, etc.
- Most repellents, sunscreens, moisturizers, cosmetics, or other related products
- Decon 90

This list is a general guideline for items not permitted other items may also not be permitted. Check with the LaBella Project Manager before using an uncertain item.

Materials such as Teflon™ or PTFE may be found in common sampling equipment. It is important that field personnel examine and assess existing equipment to avoid accidental contamination. The following materials are **ALWAYS PERMITTED** in sampling equipment:

- Stainless steel
- High density polyethylene (HDPE)
- PVC
- Silicone
- Acetate
- Polypropylene
- Loose paper on aluminum clipboards
- Ballpoint pens

The following equipment considerations should be noted when sampling for PFASs and PFCs.

Borehole Installation and Sampling:

- If using hollow stem augers/split spoons or similar, they must be carbon steel and not coated
- If collecting a soil or sediment core sample (e.g. Geoprobe®), it must be collected directly from single-use PVC liners that must not be decontaminated or reused at different locations.

Soil Sampling with a Hand Auger:

- A stainless steel hand auger without any coatings must be used when sampling.
- Scoops and spatula used must be stainless steel.

Well Development:

- Do not use bailers, unless entirely made of PVC or stainless steel. Teflon in any part of the baileris not acceptable.
- Do not use bladder pumps, most bladders are made of Teflon. Only bladder pumps with a bladder made of natural rubber are acceptable.
- Other pump types are typically okay but should still be examined for Teflon or other prohibited materials.

Conventional Groundwater Sampling / Low-Flow Groundwater Purging/ Residential Well Sampling:

- Bailers should not be used unless entirely made of PVC or stainless steel. Teflon is not acceptable. Single use disposable polyethylene or silicone materials are also acceptable.
- Tubing can only be made of HDPE or silicone.
- Do not use bladder pumps, most bladders are made of Teflon. Only bladder pumps with a bladder made of natural rubber are acceptable.

- Other pump types are typically okay but should still be examined for Teflon or other prohibited materials.

Surface Soil Sampling:

- A stainless steel spoon and bowl should be used. Cover the bowl with a stainless steel lid where possible between the addition of each aliquot. Do NOT cover the bowl with aluminum foil.

Small Equipment Decontamination:

- Water used for decontamination on site should be laboratory certified "PFAS-free" water.

Field Handling, Packaging, and Shipping:

- Plastic bags must be polyethylene.
- Only ice from water should be used, not chemical (blue) ice.
- These equipment changes can be applied to other SOPs if PFASs and/or PFCs are being sampled.
- Separate coolers that have not stored PTFE or Teflon lids.

C. Procedure:

Standard operating procedures for sampling as outlined in a number of LaBella SOPs should be followed, but with the specific considerations noted below:

Borehole Installation and Sampling:

- When drilling the well use PFAS-free drilling fluids.
- Don't use detergent to decon drilling equipment with the exception of Alconox and Liquinox. Scrub with equipment a plastic brush to remove heavy soiling and rinse thoroughly in tap water. Use a steam cleaner or a triple-rinse of PFOA-free water as the final step. If large quantities of PFOA-free water are not available from the lab, additional QA/QC sampling may be required to verify the source as a potential source of cross-contamination, then triple-rinse in distilled or deionized water.
- Collect a representative water sample used during drilling activities.
- If using an auger, it must be carbon steel and un-coated.

Conventional Groundwater Sampling / Low-Flow Groundwater Purging/ Residential Well Sampling:

- Collect samples from the pump discharge tubing only. Never collect a water sample that has passed through a flow through cell or similar.
- When sampling prioritize drinking water, followed by surface water, followed by groundwater.
- When sampling groundwater; start with the upgradient well(s), then the furthest downgradient of the interpreted or known source, then wells downgradient to the source, and lastly the wells closest to the interpreted or known source.
- When sampling residential wells, any plumber's sealing tape should be noted, as these typically contain PFCs.

- Prior to sample collection, field personnel must wash their hands and wear a new set of nitrile gloves.
- PFAS/PFC samples should be taken first, prior to collecting samples for any other parameters into any other containers. Field personnel should avoid contact with any other type of sample container or package materials.
- When samples are collected and capped, place the sample bottle(s) in an individual sealed plastic bag (i.e. Ziploc®) separate from all other sample parameter bottles, and place in a shipping container packed only with ice made from frozen water.
- After collecting PFOA samples conduct the "Shaker Test:" A small portion of the sample (~10-25 ml) should be shaken by the sample collector on site. If foaming is noted within the sample, this should be documented when samples are submitted for analysis.

Surface Water Sampling:

- Surface water must be collected by inserting a capped sampling container with the opening pointing down to avoid the collection of surface films.
- Where conditions permit, sampling devices should be rinsed with site medium to be sampled prior to collection of the sample.

Surface Soil Sampling:

- PFAS/PFC samples should be taken first, prior to collecting samples for any other parameters into any other containers. Field personnel should avoid contact with any other type of sample container or package materials.

Large Equipment Decontamination:

- Don't use detergent to decon drilling equipment, scrub with a plastic brush and rinse thoroughly in tap water, then triple-rinse in distilled or deionized water.

Field Handling, Packaging, and Shipping:

- Ice should be double-bagged and secured to avoid meltwater from contacting sample containers, and/or samples should be in an individual sealed plastic bag

D. QA/QC Requirements:

A variety of blanks should be collected to trace the sources of any artificially introduced contamination. Rinsate or equipment blanks, field blanks, and trip or travel blanks should all be collected during the sampling event. Rinsate or equipment blanks and field blanks should be collected once per day per matrix or once per 20 samples per matrix, whichever comes first. One trip blank is required per cooler. Matrix Spike and Matrix Spike Duplicate samples should be collect at the same one (1) per 20 frequency as noted above.

Samples should be immediately placed in a cooler maintained at 4±2º Celsius.

E. Special Conditions:

In the event of wet weather field personnel must avoid using personal waterproof or water-resistant rain gear unless the gear is made of PVC or Polypropylene. An alternative is to use a gazebo tent that is only touched or moved prior to or after sampling activities.

No food or drink is permitted on-site, except for bottled water and hydration drinks, such as Gatorade. These drinks should only be consumed in the staging area. When field personnel require a break to eat or drink, they should remove their gloves and coveralls and move away from the sampling location, preferably downwind. When finished eating, field personnel should clean up and put their coveralls back on and don a new pair of gloves prior to returning to the work area.

Visitors to the site are asked to remain at least 30 feet from sampling areas.

F. References:

Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), NYSDEC, April 2023.

Chiang, D., Ph.D., P.E., Davis, K., Ph.D., Bogdan, D., Ph.D., Aucoin, M., & Woodward, D. (n.d.).

PFAS Sampling. AECOM.

Shoemaker, J. A., Grimmet, P. E., & Boutin, B. K. (2009). Method 537. Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) (EPA/600/R-08/092) (USA, EPA, Office of Research and Development). Cincinnati, OH: U.S. Environmental Protection Agency.

G. Appendices or Forms:

None

Small Equipment Decontamination

Standard Operating Procedure #007

A. Purpose and Scope:

The Proper decontamination of small equipment prevents cross-contamination of samples, introduction of contaminants to clean sites, and the mixture of incompatible substances. Equipment decontamination also assures the health and safety of all equipment users. Procedures for decontamination procedures vary depending on the matrix sampled, level of contamination, type of contaminants, and the target analytes of the sampling event. The procedure outlined in this SOP is a general procedure for field/ warehouse decontamination of equipment associated with water, soil and other surficial sampling activities.

Decontamination should be performed before sampling work commences and after each sampling event. Decontaminated equipment should be protected from contact with surroundings during storage and transport, and should be handled as little as possible before its use and always with disposable gloves. Note that all waste generated by decontamination procedures including liquids, solids, rags, gloves, etc., will be collected and disposed of properly.

B. Equipment and Materials:

- Alconox®
- Tap water
- Distilled and deionized water
- 10% Nitric acid rinse
- Acetone (or other pesticide grade organic solvent)
- 1-Gallon pressure spray bottles
- Long-handled brushes
- 5-Gallon plastic buckets

C. Procedure:

Note that if it is logistically impractical/ impossible to complete all steps listed below at the field site, Steps 1-4 should be performed prior to transport of equipment to a facility where all steps can be completed if required. All field decontamination should take place over a container and liquids should be properly disposed of.

1. Disassemble equipment as necessary.
2. Remove gross contamination from equipment by scraping, brushing and rinsing with tap water
3. Wash with Alconox® or other laboratory grade detergent to remove all visible particulate matter and residual oils and grease.
4. Rinse with tap water to remove detergent.
5. Rinse with distilled and deionized water.
6. Field personnel will use a new pair of outer gloves before handling sample equipment after it is cleaned.
7. If equipment will not be used immediately, wrap in aluminum foil (unless sampling for metals or PFAS analysis) or seal in plastic bags (unless sampling for organics analysis) and store.
8. Record the date and method of decontamination on foil/bag and equipment log

D. QA/QC Requirements:

When necessary, field equipment rinsate blanks will be collected by pouring analyte-free water over decontaminated equipment and submitting them to the lab with the other blanks and samples. These blanks are used to assess the quality of equipment decontamination.

E. Special Conditions:

Reusable PPE such as respirators, chemical-resistant overboots and gloves shall also undergo the equipment decontamination sequence.

If acetone is a known or expected contaminant another solvent may be substituted. Note that methanol cannot be used for decontamination when sampling gasoline or its by-products. Additional decontamination procedures may be required for particular contaminants or when samples are to be analyzed at very low concentrations.

F. References:

NYSDEC "Spill Guidance Manual, Section 2.4, https://www.dec.ny.gov/regulations/2634.html.

USEPA, 1994. Sampling Equipment Decontamination. Environmental Response Team SOP #2006, Revision #0.0. Edison, NJ. http://www.ert.org.

USEPA, 1996. *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual*. Region 4, Science and Ecosystem Support Division. Athens, GA. http://www.epa.gov/region04/sesd/eisopqam/eisopqam.html

Wilde, F.D., ed., 2004. *Cleaning of Equipment for water sampling (ver. 2.0)*: U.S. Geological Survey Techniques of Water-Resources Investigations, book 9, chap. A3, April, accessed January 5, 2009 at http://pubs.water.usgs.gov/twri9A3/

G. Appendices or Forms:

None

Residual Waste Management

Standard Operating Procedure #008

A. Purpose and Scope:

The following standard operating procedure (SOP) presents a description of the methods generally employed for the management of residual waste. Field personnel are responsible for ensuring that state-specific standards/guidelines/regulations are followed, where applicable. In addition, field personnel are responsible for coordination efforts associated with the waste disposal facility, if known.

Improper handling and storage of residual waste can result in leaks and spills and pose a serious threat to the quality of the environment. Timely characterization and disposal of residual wastes shall be conducted in order to not exceed onsite quantity and/or storage regulations.

B. Equipment and Materials:

Off-Site transportation and disposal of residual waste will be performed by a licensed waste hauler under the direction of LaBella. The company will supply the necessary equipment and materials needed to remove the residual waste from the Site and transport it to an approved waste disposal facility.

The field geologist/engineer will obtain the necessary sample bottles with the associated preservatives, if required, from the analytical laboratory. In addition, a flame ionization detector (FID), photoionization detector (PID) and/or gas meter will be used to screen waste containers soils for the presence of volatile organic compounds (VOCs).

All other equipment required during transportation/disposal activities is the responsibility of the Contractor (waste hauler).

C. Procedure:

1. During remedial activities all residual waste, including, but not limited to, soil cuttings, decontamination wash/rinse water, purge water and personal protective equipment (PPE) shall be containerized in United States Department of Transportation (USDOT) approved 55-gallon drums or similar waste containers, unless the Work Plan indicates otherwise. Each drum shall contain similar materials/matrices (e.g., soil, water, PPE).

2. Label each waste container using a permanent marker and weather proof label with the following:
   a. Description of the container contents
   b. Site name and address
   c. Name of Site contact and associated phone number

Waste container labels shall be legible and easily understood by those unfamiliar with the Site.

3. Upon completion of remedial activities, the field geologist/engineer will conduct waste characterization of the residual waste prior to off-Site transportation and disposal. Depending upon the type of waste present, various waste disposal facilities may have different testing requirements. LaBella will complete the required analytical testing. Upon receipt of analytical data and

coordination with the disposal facility, the field geologist/engineer will supervise the removal of the waste from the Site

4. Waste containers shall be transported and stored in a secure location on-Site. All waste containers shall be located in one location, if possible.

5. If waste containers are stored for a period of time prior to collecting waste characterization samples, all waste containers shall be inspected for signs of the potential presence of explosive/flammable gases and/or toxic vapors. These signs include pressurization (bulging/dimples); crystals formed around the drum opening; leaks, holes, stains; labels, marking; composition and type (steel/poly and open/bung); condition, age, rust; and sampling accessibility. Drums showing evidence of pressurization and crystals shall be further assessed to determine proper drum opening techniques.

6. All metal waste containers not in direct contact with the earth shall be grounded.

7. Open the waste container with spark resistant tools (e.g., brass, beryllium).

8. Screen the waste containers for explosive gases and/or toxic vapor with appropriate air monitoring instruments as necessary.

9. Obtain the necessary sample bottles with the associated preservatives, if required, from the analytical laboratory.

10. Each matrix (e.g., soil, water) shall be sampled for waste characterization purposes. The field geologist/engineer shall determine the quantity of similar waste characterization samples to be collected from the waste containers in conjunction with the project manager and/or waste disposal facility. Containers with similar wastes (e.g., soil, water) generated from one area of the site may require only one composite sample from each of the waste containers. This determination shall also be made in conjunction with the project manager and/or waste disposal facility.

11. Use a decontaminated spade or shovel to collect representative solid waste samples from each waste container or use a beaker, bailer or similar mechanism to collect representative liquid waste samples from each waste container.

12. Immediately place sample in the pre-preserved sample containers and close the waste container(s).

13. Chill all samples to 4^{o}C from sample collection until laboratory analysis.

14. Package and ship samples.

D. QA/QC Requirements:

This section includes QA/QC requirements associated with tank closure activities. The following general requirements apply to this SOP:

1. All data must be documented on field data sheets or within site logbooks.
2. All instrumentation must be operated in accordance with operating instructions as supplied by the manufacturer, unless otherwise specified in the work plan.
3. Equipment checkout and calibration activities must occur prior to sampling/operation, and must be documented.

DI. Special Conditions:

In no case, will LaBella be considered the generator of the waste. The site owner shall always take responsibility for waste disposal. Additionally, LaBella may only act as agent for the owner relative to signing manifests with specific permission from LaBella in-house counsel. In most every case, the owner should sign waste manifests.

DII. References:

DER-10, Chapter 3, Section 3.3, Subdivision (e) - Management of investigation derived waste.

DIII. Appendices or Forms:

None

Borehole Installation and Sampling

Standard Operating Procedure #009

A. Purpose and Scope:

The following SOP presents a description of the methods generally employed for the installation of boreholes and the collection of subsurface soil samples. Boreholes are typically advanced to define geologic conditions; allow the installation of monitoring wells and piezometers; and allow the collection of subsurface soil samples (generally above the water table) for chemical analysis. Although several manual methods are available for the collection of subsurface soils samples (e.g. hand augers, post-hole augers, the most common method used by LaBella to advance boreholes is a drill rig equipped with hollow-stem augers (HSA) or direct-push technology (DPT). Representative samples are most often collected utilizing split-spoon samplers or Macrocore technology.

The purpose of drilling test borings is typically to characterize the lateral and vertical extent of contamination in the unsaturated zone. The test borings may also be used to allow the installation of ground water monitoring wells. Test borings may also be used to determine the subsurface characteristics for the purpose of geotechnical investigations.

B. Equipment and Materials:

Drilling will be performed either by LaBella or by a licensed drilling firm under the direction of LaBella staff. The drilling field crew will consist of a driller, a driller's assistant, and an LaBella field geologist/engineer. The field geologist/engineer will supervise drilling operations and conduct the geologic logging of the boreholes. Typical equipment needed for installation of monitoring wells will vary somewhat between drill rigs but will generally include the following:

- Truck or Track mounted Drill Rig equipped with a rotary head
- Rig with hydraulic hammer for direct push methods
- Split spoon or Macrocore sample Barrels
- Hollow stem augers with cutter head lead auger
- Auger fork
- Flush joint casing with a drive shoe
- Drill rods
- Auger plug or disposable point

C. Procedure:

1. Subcontractor Responsible for Utility Clearance - Subcontractor shall take all reasonable precautions, including contacting the appropriate utility organizations (UFPO, Dig Safe, etc.), in order to verify there are no buried utilities at the test boring and test pit locations.

2. The drilling rig and sampling equipment may be required to be decontaminated by steam-cleaning (high pressure, hot water) prior to drilling and in between borings, depending on the job requirements.

3. The borings will be drilled with direct push technology (DPT), hollow-stem augers, flush joint casing, open hole or any combination depending on the type of information needed, geologic

conditions, and other limitations that may be imposed due to contamination or state or federal guidelines. The boring shall be advanced to match the sampling interval (continuous or standard sampling).

4. Drilling progress and information about the formations encountered shall be recorded by the geologist on the field boring log. The information should include total depth drilled, depths and thickness of strata, problems with borehole advancement, fill materials encountered, and water levels.

Hollow Stem Auger/Flush Joint Driven Casing

a) At the chosen depth interval, drive a clean, standard, 24-inch long, 2-inch O.D. split-spoon sampler into the soil a distance of 24 inches using a 140 lb hammer, free falling 30 inches. Record the number of blows required to drive the sampler every 6 inches on the field boring log. Discontinue driving the sampler if 100 blows have been applied and the sampler has not been driven 6 inches. If 6 inches of penetration has been achieved, discontinue driving the sampler after 50 blows has failed to penetrate fully any of the remaining 6 inch intervals. The first six inches seats the spoon, the next 12 inches represents the Standard Penetration Resistance, and the last six inches is driven to insure sample recovery.

b) Retrieve the sampler from the borehole and place it on a clean, flat surface. Open the sampler and immediately scan the sample with an air monitoring instrument (e.g., PID) if appropriate to the purpose of the investigation. Record instrument readings on the field boring log.

Direct Push Technology

a) The DPT is hydraulically powered and mounted in a customized four-wheel drive vehicle. Position the base of the sampling device on the ground over the sampling location and hydraulically raise the vehicle on the base. As the weight of the vehicle is transferred to the probe, the probe is pushed into the ground.

b) Soil samples will be collected with a Macrocore (or equivalent). The sample tube is pushed and/or vibrated to a specified depth. The interior plug of the sample tube is then removed by inserting small-diameter threaded rods and retracting the plug. Drive the sample tube an additional four (4) to five (5) feet to the sampler terminal depth. Withdraw the probe sections and sample tube.

Sample Review

a) Further, describe and record the following properties of the sample: Sample length recovered, presence of any slough in sampler, basic soil type (e.g., sand, gravel, clay), structure, texture, sorting, grain size, grain shape, degree of saturation, competency, color, odor, staining, and presence of foreign material(s).

b) After the soil within the sampler has been described, it will be placed in sealed sample jars directly from the sampling device.

c) If appropriate to the investigation, the air space surrounding the borehole shall be scanned with a FID or PID and Explosimeter during all drilling activities to determine the presence or absence of volatile organic compounds. Results of this air monitoring shall be recorded on the Geologic Field Log. Activities shall proceed according to the site HSP if the presence of volatile organic compounds is indicated.

5. Upon completion of the test boring, all drill cuttings shall either be placed back in the borehole or will be drummed based on potential contaminants encountered.

6. Note the locations of the borings on a site map and/or mark the locations of the boreholes with a labeled wooden stake

D. QA/QC Requirements:

The Follow QA/QC requirements for field documentation.

E. Special Conditions:

1. Drilling Subcontract - The Field Team Leader must be familiar with the scope, fee, schedule, and all the terms and conditions of the drilling subcontract. When contractual issues or questions arise during the fieldwork, the Field Team Leader should communicate with the Project Manager and with the owner/client as appropriate.

2. Abandoned Borehole - If the contractor is not able to finish the drilling or has to abandon the borehole due to loss of tools, accidents or any unforeseeable circumstances, the contractor should remove the casings or drive pipes already in the hole and refill it with native soil cuttings, sand, grout, or as approved by the Engineer. All materials extracted from the hole, after refilling it will be managed as investigation derived material and will be disposed of accordingly. Typically, another borehole will be attempted in the area of the initial borehole attempt.

3. Subcontractor/Driller Standby Time - Document any conditions that may result in driller/subcontractor standby time. Such conditions may include adverse weather conditions, lack of access to the property, utilities not marked out, etc. Standby time may result in additional costs from our subcontractor that may not be planned for or approved. Communicate any conditions that may result in standby time to the LaBella Project Manager as soon as possible

F. References:

ASTM Standard D 1586
NYSDEC DER-10, May 2010 (or current version)

G. Appendices or Forms:

Standard Boring Log Form

Field Description of Soils

Standard Operating Procedure #010

A. Purpose and Scope:

The objective of this SOP is to establish a consistent method for field staff to follow when completing the description of soil samples and entry onto borehole logs. Consistency with description is important because many employees are involved in logging soils, frequently within the same project. Uniformity is critical to allowing meaningful subsurface interpretations using data generated from multiple sources.

This procedure will be used during all field activities when borehole subsurface drilling or surface soil sampling is occurring. These activities should be documented as described herein.

B. Equipment and Materials:

Some or all of the following equipment may be required for completing the procedures outlined in this SOP:

- Hand lens
- Field notebook and borehole log forms
- Pencils
- Stiff scraper
- Standard grain size examples
- Squirt bottle with water
- Small clear containers with lids

C. Procedure:

a. LaBella utilizes a combination of the USCS and Modified Burmister methods of soil descriptions.

The Unified Soil Classification System (USCS) is the most widely used engineering/geotechnical soil classification method. The USCS is based on engineering properties of soil which are effected by grain size, water content, grain size distribution, and compaction. This system is often used for classifying soils encountered in boreholes, test pits, and at the surface. The following properties form the basis of USCS soil classification: SOP:

- Hand lens
- Percentage of gravel, sand, and fines;

1. Shape of the grain size distribution curve; and
2. Plasticity and compressibility characteristics.

b. The Modified Burmister Method is used for the verbal description of soil samples. The Modified Burmister classification system is based on grain size and plasticity, but differs from the Unified Soil Classification System in that it includes nomenclature to describe the soil's texture, color, mineralogy, and geological origin.

c. The following step by step procedure will be used for the field classification of soils encountered during subsurface activities (i.e. borehole drilling, trenching, etc.). References to aid in the development of a soil description are included in Appendix A and Appendix B.

A complete soil description should contain the following information in the order indicated:

1. Color
2. Soil Moisture
3. Major grain size component.
4. Minor grain size component(s) with modifier
5. Gradation or Plasticity
6. Density/Consistency
7. Soil Structure or Mineralogy (if necessary)
8. Evidence of Contamination (odor, staining, etc.)
9. USCS symbol

Example: Brown, wet, SAND, some Silt, trace gravel, no petroleum odor.

a. Grain Size: There are five major grain sizes: Boulders, Cobbles, Gravel, Sand, and Silt/Clay.

- Boulders are > 8"
- Cobbles are 3" to 8"
- Gravels range in size from 0.2" to 3.0" in diameter and are subdivided into Fine gravel (>0.2" to 0.75") in diameter and Coarse gravel (>0.75" to 3.0")
- Sands range in size from 0.002" to 0.2" and are subdivided into coarse, medium and fine. Standard comparison cards are available for field use.
- Silt and clay are difficult to distinguish in the field. An attempt is made, however, to describe the soil as one of the six following classifications: silt, clayey silt, silt and clay, clay and silt, silty clay, or clay. The field description may be later verified in a lab hydrometer test if required by the project. For field descriptions of silts and clays, the following guidelines should be used:

SILT: ----------gritty, no threads can be rolled
Clayey SILT: ----------rough to smooth, difficult to roll threads
SILT and CLAY: -------rough to smooth, difficult to roll threads
CLAY and SILT: -------smooth and dull, threads can be rolled readily
Silty CLAY: ----------smooth and shiny, threads can be rolled very readily
CLAY: ----------very shiny and waxy, threads can be rolled very easily

Grain size descriptions are written with the major grain size component listed first. In order to be considered a major grain size component, the component must constitute greater than 50% of the sample. Major grain size components are written in all capital letters and are underlined. If no grain size component constitutes greater than 50% of the sample, the sample is classified by describing the distribution of the sand component of the sample first (ex. f.m. Sand). Then, the other grain size components are described and the appropriate percentage modifier (see below) is assigned. The reader can then determine the percentage of sand in the sample by subtracting the sum of the modifier percentages from 100%. An example is shown below.

Other grain size components, if present, are listed in order of decreasing percentage.

The following modifiers are used to indicate the relative proportion of a minor grain size component in the soil:

Estimated amount: Modifier

- 35 percent to 50 percent: .... And
- 20 percent to 35 percent: .... Some
- 10 percent to 20 percent: .... Little
- < 10 percent: ..... Trace

Minor grain size components assigned a trace or little modifier are written in lower case letters. Minor grain size components assigned a "some" or "and" modifier are written with the first letter of the grain size capitalized (ex. f. Sand). When multiple minor grain size components are described with the same modifier, finer grain sizes precede coarser grain sizes.

b. Gradation or Plasticity. Granular soils (i.e., sands or gravels) should be described as well- graded, poorly-graded, uniform, or gap-graded, depending on the gradation of the minus 3-inch fraction. Cohesive soils (i.e., silts and clays) should be described as nonplastic, slightly plastic, moderately plastic, or highly plastic, depending on results of the manual evaluation for plasticity.

c. Color: Common colors and their abbreviations are listed below.
   - Orange: ----Or
   - Tan: ---------Tan
   - Black: -------Blk
   - Brown: -----Br
   - Grey: -------Gr
   - Red: --------Red

d. Moisture Content: The moisture content is determined in the field and is described using the following terms:
   - Dry: ---------- (dab finger in soil, no moisture on finger)
   - Moist: ---------- (dab finger in soil, moisture on finger)
   - Wet:---------- (water visible)
   - Saturated: ------ (all pore spaces filled

e. Density/Consistency: The density or consistency of the soils is classified according to the "N" value of the soil. The "N" value is the sum of the middle two blow counts determined during a standard penetration test. The following classifications are used:

Table 1
Standard Penetration Test for Soil Density

N-Blows/Feet	Relative Density
Cohesionless Soils	
0 - 4	Very loose
5 - 10	Loose
11 - 30	Medium
31 - 50	Dense
>50	Very dense
Cohesive Soils	
0 - 2	Very soft
3 - 4	Soft
5 - 8	Medium
9 - 15	Stiff
16 - 30	Very stiff
>30	Hard

f. Odor (if present): Odor is described from a warm, moist sample. The odor should only be described it is organic or unusual. An organic odor will have distinctive decaying vegetation smell. Unusual odors such as petroleum product, chemical, etc. should be described appropriately.

g. Soil Texture and Structure (if present): Description of particle size distribution, arrangement of particles into aggregates, and their structure. This description includes joints, fissures, slicked sides, mottling, bedding, veins, root holes, debris, organic content, and residual or relict structure (laminations, etc.), as well as other characteristics that may influence the movement or retention of water or contaminants.

h. USCS symbol: A USCS symbol is assigned to each symbol. The USCS recognizes 15 soil groups and uses names and letter symbols to distinguish between these groups.

The coarse grained soils are subdivided into gravels (G) and sands (S). Both the gravel and sand groups are divided into four secondary groups. Fine grained soils are subdivided into silts (M) and clays (C).

Soils are also classified according to their plasticity and grading. Plastic soils are able to change shape under the influence of applied stress and to retain the shape once the stress is removed. Soils are referred to either low (L) or high (H) plasticity. The grading of a soil sample refers to the particle size distribution of the sample. A well graded (W) sand or gravel has a wide range of particle sizes and substantial amounts of particles sized between the coarsest and finest grains. A poorly graded (P) sand or gravel consists predominately of one size or has a wide range of sizes with some intermediate sizes missing.

Soils which have characteristics of two groups are given boundary classifications using the names that most nearly describe the soil. The two groups are separated by a slash. The same is true when a soil could be well or poorly graded. Again the two groups are separated by a slash

First and/or second letters	
Symbol	**Definition**
G	gravel
S	sand
M	silt
C	clay
O	organic

Second letter	
Letter	**Definition**
P	poorly graded (uniform particle sizes)
W	well graded (diversified particle sizes)
H	high plasticity
L	low plasticity

Example:

A. Sample with Major Component:
Brown, wet, **f. SAND**, Some Silt, little m.c. sand and f. gravel, trace c. gravel, , m. compact, petroleum odor (SM)

B. Sample with No Major Component:
Brown, moist, f.m.c. Sand, Some Silt and f. Gravel, , v. compact, no evidence of contamination (SM)
(In this sample, the describer classified the sample as containing 30% silt and 30% f. gravel. The percentage of sand would then be determined as: 100%-30%-30%=40%).

D. QA/QC Requirements:

None

C. Special Conditions:

None

D. References:

DER-10, Chapter 3, Section 3.5, Subsection 3.5.1, Subdivision (c), Paragraph 2.

Burmister, D.M., Suggested Methods of Test for Identification of Soils.

The Unified Soil Classification System (USCS).

Classification of Soils for Engineering Purposes: Annual Book of ASTM Standards, D 2487-83, American Society for Testing and Materials,

E. Appendices or Forms:

ASTM Criteria for Describing Soils

Legend to Subsurface Logs

Low Flow Groundwater Purging and Sampling

Standard Operating Procedure #011

A. Purpose and Scope:

Low-flow purging is purging using a pumping mechanism that produces low-flow rates [less than 1 liter per minute (lpm) or less than 0.26 gallon per minute (gpm)] that cause minimal drawdown of the static water table and usually employs a flow-through cell in which geochemical parameters are continuously monitored. These parameters may include dissolved oxygen content, oxidation-reduction potential (redox), conductivity, turbidity, and pH.

The intent of this sampling protocol is to collect a representative sample from the monitored groundwater zone. A representative sample may be obtained when all the monitored chemical parameters have stabilized, thus qualitatively demonstrating that the groundwater being purged is in equilibrium (refer to Table 3). Samples are collected directly from the pumping mechanism with minimum disturbance to the aquifer groundwater. The low-flow/low volume purging method (purging to parameter stability) tends to isolate the interval being sampled, which provides more accurate water quality measurements and reduces the volume of purge water generated. This method has an advantage in that it can limit vertical mixing and volatilization of volatile organic compounds in solution within the well casing or borehole as compared to high-flow purging and sampling.

Low-flow purging and sampling is appropriate for collection of groundwater samples for all groundwater contaminants, including inorganic compounds, metals, pesticides, PCBs, volatile and semi-volatile organic compounds (VOCs and SVOCs), other organic compounds, radiochemical and microbiological constituents. This method is not applicable to the collection LNAPL or DNAPL.

B. Equipment and Materials:

The require equipment and materials include the following:

- Inertial pump
- Submersible pump
- Disposable bailers
- Generator
- Sample bottles
- Bailing twine and rope
- Field analyses meters
- Sampling gloves
- Water level meters
- Filtration system
- 2-Inch grundfos rediflow pump and controller
- Well sampling forms

Depending on the purging method to be used, there are specific equipment limitations. **Table 1** provides a description of the various methodologies and their applicability. The proper selection of sampling devices or pumps is critical to the quality and representation of the sampling results. The following table provides a summary of the acceptable sampling methods for the various compounds of concern.

LOW-FLOW GROUNDWATER PURGING/SAMPLING

Table 1

Acceptable Sampling Methods for Compounds of Concern

Method	VOCs	Semi-VOCs	Metals and Inorganics	PFAS	Petroleum Hydrocarbons		General Chemistry
					C3-C16	C16+	
Peristaltic Pump	X	1	3	3	X	1	2
Centrifugal Pump	2	3	3	2	2	2	3
Submersible Pump W/Controller	2	3	3	2	2	3	3
Bailer	2	2	2	2	2	2	2
Bladder Pump	3	3	3	2	3	3	3
DPIS	3	3	2	1	2	2	2
Diffusion Sampler	2	2	X	1	2	2	X

1 – Not Recommended
2 – Useful with limitations
3 – Recommended method
X – Unacceptable
Note: Centrifugal Pump – assumed at a low-flow rate (no greater than 1 Lpm)

C. Procedure:

The following procedures should be followed:

1. The wells will be sampled in order from the least contaminated well to the most contaminated well.
2. Using a decontaminated measurement probe, determine the water level in the well; then calculate the fluid volume in the casing.
3. Setting up the Pump:
   a. Dedicated Systems

      Installation of any device into a well disturbs the stratification typically exhibited in a well due to laminar flow of groundwater in the well. Insertion also potentially mobilizes suspended solids in the water column due to disturbance of settled and solids in the casing and agitation of water in the filter pack. Dedicated systems result in lower initial turbidity values and lower purge volumes to achieve stabilized indicator parameter readings, and should be considered when a well will be sampled multiple times.

b. Portable Systems

If portable systems are used, they must be placed carefully into the well and lowered into the screen zone as slowly as possible to avoid disturbance of the groundwater resulting in non-equilibrium conditions. As a result, longer purge times and greater purge volumes may be necessary to achieve indicator parameter stabilization. In general, this may require that after installation, the portable pump should remain in place for a minimum of 1-2 hours to allow settling of solids and re- establishment of horizontal flow through the screen zone. If initial turbidity readings are excessive (>50 NTU), pumping should cease and the well should rest for another 1-2 hours before initiating pumping again. In wells set in very fine-grained formations, longer waiting periods may be required.

4. The flow rate used during purging must be low enough to avoid increasing the water turbidity. The following measures should be taken to determine the appropriate flow rate:
    a. The flow rate shall be determined for each well, based on the hydraulic performance of the well.
    b. The flow must be adjusted to obtain stabilization of the water level in the well as quickly as possible.
    c. The maximum flow rate used should not exceed 1 liter per minute (0.26 gpm).
    d. Once established, this rate should be reproduced with each subsequent sampling event.
    e. If a significant change in initial water level occurs between events, it may be necessary to re- establish the optimum flow rate at each sampling event.
5. Water Level Monitoring:
    a. Should not fluctuate more than 0.1 meters (~4 inches).

6. Measurement of indicator parameters (Dissolved oxygen content, redox potential, specific conductance, temperature and pH) is required. Continuous monitoring of water quality indicator parameters is used to determine when purging is competed and sampling should begin. Stabilized values, based on selected criteria listed in **Table 2** should be met prior to sampling. The use of an in-line flow cell (closed) system is recommended for measuring indicator parameters, except for turbidity.

    For turbidity measurement, a separate field nephalometer should be used. Indicator parameter collection is more important when low-flow purging is used compared to the high-flow purging method. Generally, measurements are taken every 3 to 5 minutes and water chemistry parameters are considered to be stable when they are within the following ranges for three (3) consecutive readings:

Table 2
Stability Criteria for Low-Flow Purging

Constituent	Criteria
Dissolved Oxygen Content (DO)	± 10%
Oxidation-Reduction Potential (redox)	± 10 mv
Specific Conductance	± 03% of reading
pH	± 0.1 units
Turbidity	± 10%
Temperature	NA

Turbidity should be below 50 NTU, if possible. If sample turbidity cannot be reduced below 50 NTU, a field filtered sample shall be collected for metals analysis in addition to an unfiltered sample. Record these readings on the well sampling log.

7. The order in which samples are to be collected is as follows:
    - Volatile Organic Compounds (VOCs)
    - Semi-Volatile Organic Compounds (SVOCs)
    - Purgeable organic carbon (POC)
    - Purgeable organic halogens (POX)
    - Total organic carbon (TOC)
    - Total organic halogens (TOX)
    - Extractable organics
    - Total metals
    - Dissolved metals
    - Phenols
    - Cyanide
    - Sulfate and chloride
    - Turbidity
    - Nitrate and ammonia
    - Radionuclides

8. When collecting aliquots for analysis of volatile organic compounds, make absolutely certain that there are no bubbles adhering to the walls or the top of the VOA container.
9. Add appropriate preservatives to samples, as required.
10. Label the sample containers with all necessary information and complete all chain-of-custody documents and seals.
11. Place the properly labeled and sealed sample bottles in a cooler with ice and maintain at 4°C for the duration of the sampling and transportation period. Do not allow samples to freeze.

D. QA/QC Requirements:

To the extent possible, all samples should be collected using the same type of equipment and in the same manner to ensure comparability of data.

E. Special Conditions:

Because the methodology requires that disturbance to the water column in the well be minimized, the same pumping device used for purging should be used for sampling.

Sample collection will be performed utilizing either an inertial pump system or disposable bailer. If the inertial pump system is used, samples will be obtained through the dedicated polyethylene tubing while maintaining a low-flow. Should disposable bailers be utilized, the sampling will be performed as follows:

Attach a new bailer line to the disposable bailer equipped with a single check valve. Check the operation of the check valve assembly to confirm free operation. Lower the single check valve bailer slowly into the well until it contacts the water surface. Then lower the bailer just below the water surface with a minimum of disturbance. When filled with groundwater, slowly raise the bailer to the surface. Discharge the first bailer to the ground. Tip the bailer to allow the water to slowly discharge from the top and to flow gently down the inside of the sample bottle with minimum entry turbulence and aeration

A. References:

Low-Flow (Minimal Drawdown) Ground-Water Samp*ling Procedures*" by Robert Puls and Michael J. Barcelona dated April 1996.

B. Appendices or Forms:

Low Flow Sampling Form

SCGs in accordance with a schedule approved by DER;

5. Continue to delineate groundwater contamination until the applicable groundwater or surface water standard for the nearest downgradient receptor or surface water body is reached;

6. Demonstrate that groundwater contaminated above the applicable groundwater standard will not reach the nearest downgradient receptor, using an appropriate groundwater flow/contamination transport model approved by DER.

7. Document the fate and transport of the contaminant plume;

8. Obtain sufficient information with respect to soil vapor intrusion to evaluate whether actions are necessary to address exposures related to soil vapor intrusion. This determination will be made on a case by case basis, pursuant to section 3.6; and

9. Demonstrate that predicted impacts to potential receptors are consistent with groundwater standards. This should include, without limitation, information pertaining to:

i. the existence of water lines;

ii. the locations which are or may be suitable for the placement of public water supply wells;

iii. proposed or future installation of water lines; or

iv. local and/or county ordinances restricting installation of potable wells.

IDW Section

(e) Management of investigation derived waste (IDW). An investigation work plan is also to identify provisions for management of IDW. This subdivision sets forth guidance for the handling and disposal of contaminated soil and water generated during an investigation, in a manner that does not pose a threat to public health and the environment and is compliant with applicable rules and regulations. Absent a regulatory exemption, the transport, storage and disposal of IDW is generally subject to one or more solid or hazardous waste regulations (e.g., 6 NYCRR Parts 360, 364 and the 370 series). Unless specifically noted herein, no guidance provided in this subdivision is intended to impose more stringent requirements than the applicable regulations regarding the handling, transport, storage or disposal of IDW.

1. Drill cutting and spoil disposal from on-site locations. Drill cuttings and other soil generated on-site during an investigation from the installation of soil borings, monitoring wells or geoprobes are presumed to be contaminated. Such cuttings and spoil:

i. must be stored on protective sheeting and covered with protective sheeting if cuttings remain on ground at the end of the day;

ii. may be disposed at the site within the borehole that generated them to within 12 inches of the surface or if the site is a residential site backfilling may be to within 24 inches of the surface, unless:

(1) free product, NAPL or grossly contaminated soil, are present in the cuttings;

(2) the borehole will be used for the installation of a monitoring well (cuttings may only be used to backfill boreholes installed for soil sampling);

(3) the borehole has:

(A) penetrated an aquitard, aquiclude or other confining layer; or

(B) extended into bedrock;

(4) backfilling the borehole with cuttings will create a significant path for vertical movement of contaminants. Soil additives (bentonite) may be added to the cuttings to reduce permeability;

(5) the soil cannot fit into the borehole as set forth in subparagraph i. above.

iii. cuttings meeting any of the conditions set forth in subparagraph i above, which cannot be disposed in the borehole must be containerized and handled as set forth in paragraph 3 below; and

iv. the borehole area must be restored, after backfill:

(1) in unpaved areas, by placing 12 inches of cohesive, compacted soil meeting the requirements for fill of subdivision 5.4(e) and Appendix 5 over the area of the borehole, unless the site is a residential site in such case 24 inches are required; or

(2) for paved areas, by placing clean cohesive, compacted soil in the borehole to sufficient depth to allow restoration of the paved surface; and

v. if the site includes streets, sidewalks or other publicly accessible areas, the off-site provisions in paragraph 2 should be applied to samples collected in those areas.

2. Drill cutting and spoil disposal from off-site locations not know to be contaminated. Cuttings and spoils generated from off-site locations during an investigation are to be managed as follows:

i. cuttings, may initially be placed on plastic as generated,, but should be containerized as drilling progresses. Overnight storage outside of a container is not allowed. The cuttings may be transported from the point of generation to a temporary on-site storage area without a 6 NYCRR Part 364 permit;

ii. cuttings from off-site boring locations are considered non contaminated until testing indicates otherwise, unless field screening results of the soil are positive for the presence of contamination; and

iii. the borehole will be filled with soil or a soil bentonite mixture and restored as set forth in clauses 1.iv. (1) or (2) above.

3. Drill cutting and soil disposal from known contaminated locations. Representative samples of drill cuttings or other IDW from known contaminated locations at a site or from off-site locations, identified in accordance with paragraphs 1 and 2 above, must be characterized for disposal. Such samples must be analyzed to ensure proper classification, treatment and disposal and where determined to be:

i. hazardous waste or a solid waste, must be properly managed and disposed at a properly permitted treatment, storage or disposal facility. Such waste will:

(1) be transported by a hauler permitted in accordance with 6 NYCRR Part 364;
(2) if such cuttings and soil are determined to be a hazardous waste, the waste shipment shall be accompanied by a manifest in accordance with 6 NYCRR Part 372; and
(3) any IDW soil identified as either a solid or hazardous waste, may be stored on the site in a secure area awaiting disposal, in accordance with applicable DEC waste management regulations or other provisions approved by DER; and

ii. soil not characterized as a solid or hazardous waste may be placed at the site, or returned to the off site location where it originated, in a manner set forth in the DER-approved work plan.

4. Test pits. When excavating test pits to delineate the extent of contamination, the soil removed from the excavation is to be managed as follows:

i. any drums or other containers encountered, as well as NAPL or other free product, will be over packed or otherwise containerized for appropriate off-site disposal, as discussed in subparagraph 2.ii above;

ii. where subparagraph i above does not apply, material removed may be placed back in the excavation in the same general strata from which it was removed; and

iii. the excavation shall be managed so as not to contaminate the surface of the site, all soil removed will be placed on plastic.

5. Investigation generated water/fluid handling and disposal. All water/fluid resulting from well development and/or well purging before sampling must be collected, handled and discharged/disposed of pursuant to applicable guidance and regulations. Water/fluid generated during an investigation:

i. is to be containerized upon production and is to subject to the following handling/disposal guidelines:

(1) 6 NYCRR Part 364 will not apply to the transport of the containers from the point of generation to a temporary on-site storage area, or treatment facility;
(2) the containers must be securely staged, pending appropriate disposal as set forth in subparagraph ii below;
(3) NAPL shall never be released to the ground;
(4) where containers include water mixed with NAPL, the water can be decanted from the NAPL (or vice versa) as long as a measurable layer of water remains with the NAPL, and the decanted water is NAPL- and/or sheen-free;
(5) groundwater from several monitoring wells may be combined provided they are associated with the same disposal site and aquifer; and
(6) NAPL may be collected from several containers and combined provided it all comes from monitoring wells associated with the same disposal site;

ii. it may be stored on-site in labeled containers in an area with secondary containment awaiting treatment and/or disposal, in accordance with applicable DEC waste management regulations (e.g., 6 NYCRR Parts 360, 364 and the 370 series) or other provisions approved by DER. The contents

of the containers will be

(1) properly treated or disposed of, when any of the following are observed:
(A) visual evidence of contamination, consisting of discoloration, sheens, free product or NAPL;
(B) olfactory evidence of contamination; or
(C) concentrations of contaminants above groundwater standards at levels of concern are known to be present in the monitoring wells, based on previous sampling of the groundwater; or
(2) if none of the conditions described in clause ii.(1) apply, the containerized water may be:
(A) recharged to unpaved ground into the same groundwater unit, within or directly adjacent to a source area in a manner which does not result in surface water runoff, with DER approval; or
(B) if a remedial treatment system designed to treat water is operational at the site the water may be added to the influent of the treatment system; and

(3) treatment or disposal of contaminated water/fluids will be at:
(A) a permitted off-site facility;
(B) an existing on-site permitted facility or a remedial treatment facility capable of treating the water/fluids, if one exists; or
(C) an on-site treatment unit brought to the site, properly designed to handle the water/fluids, where a permit waiver pursuant to section 1.10 has been granted by DER; and

iii. sediment that settles out of the IDW, provided there is no NAPL or free product present, must be handled and disposed in accordance with paragraphs 1 to 3 above, as appropriate for the location of the well.

6. Short-term surface water or groundwater discharges. Water resulting from pump tests or pilot studies conducted at a site pursuant to a DER approved work plan may be discharged to surface or groundwater providing the water meets, or is treated to meet, certain generic criteria. The generic discharge criteria for short term discharges can be found on the DEC website or may be obtained from the DER project manager.

(f) Evaluation of Natural Resource Injury.

1. The remedial party may elect to incorporate the collection of data necessary for a natural resource injury evaluation into a RI work plan.

2. The goal of a natural resource injury evaluation would be to collect data necessary to assess the existence of natural resource injuries, including the nature and extent of injury to soil, sediments, surface or groundwater, flora and fauna, caused by contamination. DEC's Division of Fish, Wildlife and Marine Resources should be consulted in the development of protocols for such data collection.

(g) The work plan should be organized to include the following as sections or appendices. Available investigation work plan template(s) available on the DEC website identified in the table of contents should be used, as directed by the DER project manager.

APPENDIX F

Prior Reports

A) Phase I Environmental Site Assessment, Alpine Environmental Services, Inc., July 2021
B) Phase II Environmental Site Assessment, Alpine Environmental Services, Inc., October 2021
C) Underground Storage Tank Removal Oversight, and Sampling for Closure, Alpine Environmental Services Inc., February 28, 2022
D) Figure and Analytical Results for Supplemental Site Investigation, LaBella Associates, P.C., July 2022
E) Phase I Environmental Site Assessment, Alpine Environmental Services, Inc., February 2023. Appendix I includes Site Inspection, prepare by CHA Consulting Inc., 2013

Phase I Environmental Site Assessment
Former Barnet Mills
20 Forbes Avenue

City of Rensselaer, NY

July 12, 2021

Prepared by:

ALPINE ENVIRONMENTAL SERVICES, INC.
438 NEW KARNER ROAD
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Project:
21-26694-E

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Appendix B: Environmental Database Report
Appendix C: Sanborn Fire Insurance Maps
Appendix D: Historic Site Area Aerial Photos
Appendix E: Historic Site Topographic Maps
Appendix F: ESA Questionnaires
Appendix G: FOIL Request Information
Appendix H: City Directories

EXECUTIVE SUMMARY

Alpine Environmental Services, Inc. has completed a Phase I Environmental Site Assessment (Phase I ESA) in conformance with the scope and limitations of ASTM Practice E 1527-13 on the Subject Property (SP). The SP considered in this Phase I Environmental Site Assessment is a 6.1-acre land parcel in the City of Rensselaer, Rensselaer County, NY, known as 20 Forbes Avenue. The site contains seven industrial use buildings that covers a large portion of the tax parcel.

The SP is identified as having been originally constructed in 1873 as the Stroebel Malt House Brewery. The facility was then purchased in 1905 by The William Barnet Company and became the William Barnet & Sons All Wool Shoddy Mill, which reclaimed wool scraps from textile mills and restored them into batched wool fabric for resale. In 1915, the original mostly wooden mill structure burned in a fire and was then re-constructed as a masonry and steel fireproof structure and remained as the shoddy mill until sometime in the 1960's when the company moved its operations to South Carolina. The mill facility was thereafter purchased by Hilton Management, LLC, and became The Hilton Center, leasing portions of the building to numerous tenants for a wide spectrum of commercial, industrial and fine arts uses. Some of the known uses within portions of the facility have included tenant occupation by an architectural firm, a photography studio, automobile repair, industrial manufacturing of wire products, studio space for musicians, storage space and numerous other uses over decades of tenant rental. The property is currently vacant and is undergoing preliminary building area cleanup for a planned project that is to include renovation of the site buildings into residential apartments.

This assessment was comprised of a site reconnaissance, interviews with individuals knowledgeable of the property, and a regulatory and historical information review. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report.

Provided below is a summary of the findings identified as a result of this ESA. This summary provides our opinions as to the potential impact of these findings to the site based on the Phase I ESA process. These findings are grouped into recognized environmental conditions & de minimis conditions, data gaps, and non ASTM conditions.

Recognized Environmental Conditions & De Minimis Conditions

This assessment has revealed the following evidence of recognized environmental conditions (RECs) in connection with the Subject Property.

1. The facility was originally constructed as a brewery but was then converted to a textile mill called William Barnet & Sons All Wool Shoddy Mill. This industrial use occurred from 1905 into the 1960's. The industrial use of the mill with extensive industrial equipment that had to be maintained throughout this timeframe required lubricating chemicals, solvents and other types of chemicals that had to be stored, used and disposed of. No accounting for how these materials were used, stored and disposed is known. It is presumed that spills or spills from storage or disposal could have occurred over this sixty years of industrial operations. Some testing of site soil and groundwater will be necessary to determine if adverse impacts to the subsurface have occurred.

2. Use of the facility by The Hilton Center for decades renting to industrial and commercial tenants has included manufacturing, automotive repair and possible salvaging and other commercial and industrial uses that have stored and used large quantities of petroleum

and other chemicals. Spills including discharge of oil to the ground, storage of large quantities of drummed chemicals and leaks in the storage areas have occurred and were documented by the City of Rensselaer and the New York State Department of Environmental Conservation in the 1980's and 1990's. Additional storage of chemicals in areas used to store vehicles, service and repair vehicles has also occurred during the Hilton Center timeframe and these areas are not documented. Extensive soil and ground water sampling across the SP will be necessary to determine if the documented spills and other spills that may have occurred and not been documented, have degraded site soil and groundwater quality to the extent that current regulatory cleanup standards may be exceeded in the site subsurface.

3. Land filling has reportedly occurred in the northern end of the SP. CHA reported as a result of a 2013 site inspection, that an apparent dumping area for various debris was noted in the northern site area. A significant amount of construction and demolition type debris was noted in this area. CHA noted that based on appearances in this area in conjunction with past documented actions of the property owner (at that time), including the attempted burial of PCB-contaminated electrical transformers, "there is reason to suspect the dumping or burial of potentially hazardous waste materials in this area". CHA recommended that test pits should be completed in this area to evaluate subsurface conditions and the potential presence of buried debris. Alpine agrees with this recommendation to address this REC.

4. Multiple petroleum and chemical storage tanks have existed on the SP. Three tanks were registered with the DEC, two were reportedly closed, the third, a 550 gallon underground fuel oil tank remains listed on the registration as "Active". The location of this tanks is not clearly identified in the PBS records obtained from the DEC. Other tanks referenced documents reviewed (i.e. spill reports, Sanborn maps, etc.) were not registered with the DEC. It is possible that any of these tanks may have leaked or that spills from filling the tanks could have occurred and contaminated site soil and groundwater quality. Any tanks still present must be properly registered and closed through the NYSDEC Petroleum Bulk Storage Program.

5. A vent that may be a petroleum storage tank vent is present along the south side of Building #1. The site owner did not know the purpose of this vent. This vent should be investigated to determine if a storage tank is still present in this area of the SP. If present, this tank will have to be investigated and properly closed in accordance with NYSDEC storage tank closure regulations.

6. According to historic mapping, a 100,000-gallon storage tank is present at or near the south end of building 5 and "large vaults" were reported by NYSDEC to exist beneath portions of the mill buildings. These tanks could contain chemicals or chemical residue from manufacturing operations or petroleum or chemicals that may have leaked beneath the building floors from storage or use of these liquids within the buildings. Additionally, it is presumed that all floor drains observed within the mill buildings are likely to discharge to the stormwater system and ultimately to the river. Stormwater basins and other storm and floor drain structures may contain contaminants and would have to be inspected and sediments and liquids in them sampled to determine if contaminants remain within this system.

7. An electrical power substation is present along the west side of the SP, to the east of Building 5. Multiple PCB oil containing transformers are likely to have been present within this substation. If transformers within the substation leaked to the ground, PCB and petroleum contaminated soil may exist within or adjacent to the substation area. If contaminants are present, and if the levels are above regulatory cleanup standards, remedial actions may be necessary to achieve regulatory compliance.

8. Given the spills that have been documented on the SP by NYSDEC, including the uses and storage of drummed chemicals in the site buildings and evidence of spills from drummed chemicals, vapor intrusion from chemicals that may have leaked or spilled beneath the site buildings is possible. Vapor sampling should be completed beneath the lowest level building area floor slabs to determine if vapor mitigation will be necessary for re-use of any of the site buildings.

A "de minimis condition" is a condition that generally does not present a threat to human health or the *environment* and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis conditions* are not *recognized environmental conditions* nor *controlled recognized environmental conditions*. This assessment has revealed no evidence of de minimis conditions in connection with the Subject Property.

Data Gaps

No substantial data gaps were identified during this Phase I ESA.

Non ASTM Environmental Conditions

The SP building is in an area with potentially elevated radon levels. Alpine did not perform radon testing at the SP.

Asbestos containing materials are known to be present within the SP buildings and the building owner was in the process of abating these materials during this ESA. Alpine did not evaluate asbestos containing materials at the SP or the abatement process occurring at the SP for this ESA.

1.0 INTRODUCTION

Alpine Environmental Services, Inc. (Alpine) performed a Phase I Environmental Site Assessment (ESA) of the property located at 20 Forbes Avenue in the City of Rensselaer, Rensselaer County New York. The Subject Property (SP) is currently owned by Bath Springs Development Company, LLC, and is listed at approximately 6.1 acres and is comprised of tax ID 133.-3-7.

This Phase I ESA was prepared for BBL Construction Services LLC and BBL Barnet LLC of Albany, NY, as an environmental due diligence investigation for potential acquisition and development of the Subject Property.

1.1 Purpose

The purpose of this Phase I ESA is to reasonably identify potential or known recognized environmental conditions (RECs) and Significant Data Gaps (SDGs) as defined by ASTM E 1527-13.

1.2 Scope of Services

The methodology employed for this Phase I ESA is consistent with the requirements of, ASTM E 1527-13.

A commercially available database summary report for Federal and State regulatory databases, was utilized to determine the possible presence or release of hazardous substances or petroleum product at the site and/or within the ASTM search distances identified in ASTM E 1527-13.

1.3 Qualifications

This Phase I ESA has been conducted by a qualified environmental professional with the required level of education in an environmental field of study and experience in the performance of Phase I ESAs and ASTM Standard requirements. These qualifications are consistent with environmental professional requirements referenced in the ASTM E 1527-13 standard.

1.4 User Responsibility

The purpose of this section is to describe tasks to be performed by the *user*. The "All Appropriate Inquiries" Final Rule (40 CFR Part 312) requires that these tasks be performed by or on behalf of a party seeking to qualify for an LLP to CERCLA liability. These tasks must also be completed by or on behalf of EPA Brownfield Assessment and Characterization grantees. The following *User required* items were not performed by Alpine as part of this ESA.

- Review Title and Judicial Records for Environmental Liens and Activity and Use Limitations (AULs)—To meet the requirements of 40 CFR 312.20 and 312.25, a search for the existence of environmental liens and AULs that are filed or recorded against the property. The *User* should engage a title company, real estate attorney, or title professional to undertake this review.

- Users must take into account their specialized knowledge to identify conditions indicative of releases or threatened releases. If the user has any specialized knowledge or experience that is material to recognized environmental conditions in connection with

the property, the user should communicate any information based on such specialized knowledge or experience to the environmental professional.

- If the user has actual knowledge of any environmental lien or AULs encumbering the property or in connection with the property, the user should communicate such information to the environmental professional.

- In a transaction involving the purchase of a parcel of commercial real estate, the user shall consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous substances or petroleum products. The user should try to identify an explanation for a lower price which does not reasonably reflect fair market value if the property was not contaminated, and make a written record of such explanation.

- Commonly known or reasonably ascertainable information within the local community about the property must be taken into account by the user. If the user is aware of any commonly known or reasonably ascertainable information within the local community about the property that is material to recognized environmental conditions in connection with the property, the user should communicate such information to the environmental professional.

- The user must consider the degree of obviousness of the presence or likely presence of releases or threatened releases at the property and the ability to detect releases or threatened releases by appropriate investigation.

1.5 Significant Assumptions

Significant assumptions made in the performance of this Phase I ESA are as follows:

- Groundwater flow approximately mimics major topographic gradients (unless otherwise determined through available technical reports).

- Representations made during interviews and on owner and user provided documents are accurate.

1.6 Special Terms and Conditions

No special terms and conditions beyond the ASTM E1527-13 scope of work have been included in this ESA.

1.7 Limitations and Exceptions of Assessment

The performance of this Phase I ESA is consistent with ASTM Standard E1527-13 and is intended to reduce, but not eliminate, such uncertainty regarding the potential for RECs in connection with a property, and this practice recognizes reasonable limits of time and cost. The information presented in this report is limited to the investigation conducted and described herein, and is not necessarily all inclusive of conditions present at the SP.

This practice does not address whether requirements, in addition to all appropriate inquiry (AAI), have been met in order to qualify for the landowner liability protections (LLPs), including "the continuing obligation not to impede the integrity and effectiveness of activity and use limitations (AULs), or the duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting operations." Failure to meet continuing obligations may forfeit CERCLA liability protection.

1.8 Deviations

There were no deviations from the ASTM E1527-13 process.

1.9 User Reliance

This report is intended for the sole and exclusive use of BBL Construction Services LLC and BBL Barnet LLC of Albany, NY, and may not be used or relied upon by others, unless specified in writing. The findings of the report are limited to those specifically expressed in the report.

This Phase I ESA report is considered valid only under the conditions specified according to ASTM E1527-13. Specifically, this report may only be valid for the protections sought under this standard for a period not greater than 180 days from issuance.

2.0 SITE DESCRIPTION

2.1 Site Location and Total Site Area

The Subject Property (SP) considered in this Phase I Environmental Site Assessment is an approximately 6.1-acre land parcel in the City of Rensselaer, Rensselaer County, NY, known as 20 Forbes Avenue. The site contains several multi-story industrial use buildings that covers a large portion of the tax parcel.

A figure illustrating the site location is provided as Figure 1, a site plan map showing the layout of the parcel is provided as Figure 2, a tax map section showing the site parcel is provided as Figure 3, and a Site Survey drawing is provided as Figure 4.

2.2 Current Site Uses/Operations

The buildings/property was mostly vacant at the time of the site visit with a small amount of cleanup occurring at the SP.

2.3 General Site Configuration

This SP is improved with nine industrial use buildings. The buildings cover a large portion of the SP, primarily based on two parallel elevations.

2.3.1 Roadways On or Adjoining the Site

The site is accessed via a roadway/driveway from the west side of Forbes Avenue. This roadway also crosses the railroad along the west side of the SP and is utilized to access a Rensselaer County riverfront property and boat launch to the west of the SP, along the Hudson River. A second gravel surfaced roadway travels along the east side of the main site buildings and between the main and eastern site buildings and a third gravel surfaced roadway lies along the west side of the site between the site buildings and the railroad tracks.

2.3.2 Easements and Right of Ways

Based on a 2018 survey by Surveysmith Land Surveying, the following right of ways/easements for the SP are noted:

The City of Rensselaer utilizes the site access roadway to cross the railroad tracks and access the boat launch and riverfront parcel to the west of the SP

The gravel roadway between the site buildings is identified as a right of way, possibly to the National Grid property north of the SP.

A 20-foot wide easement extends from the western central portion of the SP to the boat launch at the shore of the Hudson River. This easement purportedly is utilized for stormwater discharge piping from the SP.

Utility easements for municipal sewer and water and drainage may exist on portions of the SP, although mapping to confirm these was not provided.

2.4 Structures

The SP is improved with nine industrial use masonry buildings, most being multiple story that were originally constructed as the Barnet Shoddy Mill, a felt fabric recycling mill. Building locations on the SP are identified on Figure 2 of this report. Buildings #2 and #3 have been demolished and these areas of the SP are now vacant land with remaining portions of the concrete floor slabs. Photos of these buildings are provided in Appendix A of this report.

2.4.2 Heating/Cooling Systems

The majority of SP buildings are reportedly not heated at this time. Some spaces in some buildings may be utilizing natural gas space heating units. Natural gas is provided to the SP and it is surmised that the most recent heating systems within certain site buildings utilized natural gas as a heating fuel. Two propane gas cylinders were noted along the west side of Buildings 5/6 and may support heating in those areas. Historically, coal and petroleum heating systems have been present on the SP.

2.5 Site Utilities

2.5.1 Potable Water

Rensselaer City municipal public water is provided to the SP. Water service to the building was observed in some building areas but these systems may or may not be active and it is assumed that no water is provided to any of the non-heated building areas.

2.5.2 Sanitary Sewage Disposal Systems

Rensselaer City municipal sanitary sewer is provided to the SP building.

2.5.3 Storm Sewer Disposal

Stormwater on the SP appears to discharge via underground building drains, westward to the Hudson River.

2.5.4 Electricity

Electrical service to properties in the area of the SP are provided by National Grid, via above ground connections to multiple site buildings.

2.5.5 Natural Gas

Natural gas service is provided to the SP by National Grid, via underground service connections along the eastern site driveway/roadway. At the time of the site visit, it appeared that most if not all natural gas services had been disconnected at the regulator service connections.

2.6 Topographic Description

The area topography is generally sloped downward from the east to west with a central nominal elevation of approximately 30 feet above mean sea level (MSL) and with a moderate downward

area slope to the Hudson River basin, west of the SP. The terrain slopes steeply upward from the east side of the SP and to the west, slopes down mildly to the river.

2.7 Site Soils and Geology

A review of Surficial Geologic Mapping of New York indicates that surficial soils in the area of the SP are mapped as Urban Land, with a large variation of fill and soil types, and with highly variable characteristics.

Bedrock is not exposed at the SP or in the areas immediately surrounding the site.

2.8 Site Hydrology and Hydrogeology

No surface water bodies are present on the SP. Based on site and surrounding area drainage contours, regional groundwater flow is expected to be westward across the SP to, the Hudson River.

2.9 Surrounding Land Uses

The surrounding land uses, as identified during the site visit and from other available sources, are summarized in the table below.

Direction	Adjoining	Surrounding/Nearby
North	- Partially cleared wooded land with electrical transmission towers owned by National Grid Power Co is present to the north of the SP along with mostly wooded city owned land along the Hudson River.	- The I-90 Highway and additional forested lands are located further north.
East	- Steeply upward sloping wooded land is present to the east of the SP.	- Further east are developed residential and some commercial areas of the City of Rensselaer, and the Doan School campus.
South	- Residential and commercial properties in Rensselaer City streets lie south of the SP.	- Further south are additional properties and some commercial and industrial use buildings.
West	- A railroad line lies immediately west of the SP. West of the southern end of the SP appears to be a property historically developed with large industrial storage tanks (Currently vacant land with bermed containment).	- Further west are park lands and a boat launch on the Hudson River.

3.0 USER PROVIDED INFORMATION

Alpine is providing this report on behalf of BBL Construction Services LLC of Albany, NY, and they provided user knowledge information during the site visit and through an ASTM User Questionnaire.

3.1 Title records

The SP at the time of the Phase I ESA, is identified as being owned by Bath Springs Development, LLC. Title records for the SP were not available for review. Rensselaer County on-line information indicates that the property was previously owned by Hilton Management, LLC and was transferred to Bath Springs Development Company, LLC in March of 2018.

3.2 Environmental Liens or Activity and Use Limitations (AULs)

The ESA user and owner did not indicate awareness of environmental cleanup liens against the property. None were identified during the course of the ESA data research.

The ESA user and owner did not indicate awareness of AULs, such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law. None were identified during the course of the ESA data research.

3.3 Specialized Knowledge

No specialized knowledge of the property relative to environmental conditions past or present was reported.

3.4 Commonly Known or Reasonably Ascertainable Information

The ESA user and owner reported no knowledge of the property relative to environmental conditions past or present and no common knowledge of site environmental conditions or issues were identified as a function of this ESA.

3.5 Valuation Reduction for Environmental Issues

The User considers the current property value to be a reasonable reflection of the property's fair market value given the current site uses, conditions and current economy. The SP owner indicated the property value is below market value. A leaking roof and water damaged interior areas of the building presumably have led to the reduced market value.

3.6 Reason for Performing the Phase I ESA

The User has indicated that their purpose for this Phase I ESA is to provide an assessment of site environmental conditions for a proposed purchase.

3.7 User Specialized Knowledge

The user and owner have reported no specialized knowledge of the property relating to environmental conditions.

4.0 SITE AND SURROUNDING AREA HISTORICAL REVIEW

4.1 Summary

4.1.1 Subject Property

The SP is identified as having been originally constructed in 1873 as the Stroebel Malt House Brewery. The facility was then purchased in 1905 by The William Barnet Company and became the William Barnet & Sons All Wool Shoddy Mill, which reclaimed wool scraps from textile mills and restored them into batched wool fabric for resale. In 1915, the original mostly wooden mill structure burned in a fire and was then re-constructed as a masonry and steel fireproof structure and remained as the shoddy mill until sometime in the 1960's when the company moved its operations to South Carolina. The mill facility was thereafter purchased by Hilton Management, LLC, and became The Hilton Center, leasing portions of the building to numerous tenants for a wide spectrum of commercial, industrial and fine arts uses. Some of the known uses within portions of the facility have included tenant occupation by an architectural firm, a photography studio, automobile repair, industrial manufacturing of wire products, studio space for musicians, storage space, and numerous other uses over decades of tenant rental. The property is currently vacant and is undergoing preliminary building area cleanup for a planned project that is to include renovation of the site buildings into residential apartments.

4.1.2 Adjoining/Surrounding Property

The SP is located in a mixed use commercial area of the City of Rensselaer. The surrounding properties are Mostly residential properties. Some commercial and industrial use properties are present to the south and vacant wooded land is present to the north. The City of Rensselaer property lies mostly to the east and south of the SP.

4.2 City Directory Search

City directories were reviewed as part of this assessment from 1963-2017. Within this time frame, the SP was not listed until 2005 as Pro Manufacturing Co., and by 2010 and later with listings for various tenants under the Hilton Center.

Site Property Address: 20 Forbes Avenue
2017: Hilton Center / Wallant Architects
2014: Hilton Center / Wallant Architects / Frank Smith Signs
2010: Hilton Center /Castle Photography / Pro Manufacturing Co. Inc.
2005: Pro Manufacturing Co. Inc.
1963 - 2000: Address Not Listed

4.3 Sanborn Fire Insurance Maps

EDR Inc., owner of the historic Sanborn Fire Insurance Map collection, was contacted to provide Sanborn Fire Insurance Maps as part of this Phase I ESA. EDR provided site area mapping coverage for the SP from the years 1809, 1925, 1949 and 1967. A copy of the Sanborn mapping is provided in Appendix C. The following descriptions relative to the SP through these years were noted.

1967: All of the SP buildings currently present on the property along with some additional buildings (#2 and #3 recently demolished) and some infill buildings around the larger buildings

and some small storage out buildings. A power substation is identified to the east of Building 5 and south of Building 11 where a concrete surface enclosure is currently present. An underground "acid tank" is along the east side of Building 5 and an underground fuel tank is along the east side of Building 6. Building 1 is identified as a boiler house for the plant with a chimney along the northern side. A second boiler room and chimney are indicated at the south end of Building 6. A City of Rensselaer Department of Water pumping station is located to the west of the SP along the river and large diameter water pipes feed the plant and the city beyond from this pumping station. The Rensselaer water pumping facility is located to the west of the mill and railroad throughout the period of this Sanborn mapping, increasing in size and complexity over the mapped period of time (1909-1967). A 100,000-gallon "reservoir", is present along the south side of Building 5. The remainder of the buildings are labelled with various functions of the manufacturing stages for the Barnet & Sons Shoddy Mill, relating to storage and process of the textile.

1949: The SP building is similar to the description noted above for 1967, except that the Building 1 boiler house is not present, no power substation is indicated on the east side of the site and Building #9 is also not present at this time.

1934: The SP building complex is smaller than in 1949 with buildings 5 and 6 making up most of the manufacturing facility and "rag storage" buildings north of Building 6 and south of Building 5. Little additional detail is provided.

1909: The Barnet & Sons Shoddy Mill building is present but is a smaller single building at the current location of Buildings 5 and 6 and with a single central boiler. This building is known to have burned in 1915 and has been subsequently rebuilt with the current "fireproof buildings" that now make up the mill complex. An "asbestos covered carbonator" is noted in the south corner of the mill building.

4.4 Aerial Photographs

Aerial photographs for the SP and surrounding area for the years 1942, 1952, 1960, 1973, 1977, 1984, 1986, 1995, 2006, 2009, 2013 and 2017 were available from EDR and were reviewed as part of this Phase I ESA. In addition, imagery from Google and Bing databases were observed on-line. The following was observed on the reviewed aerial photographs.

Throughout this time period, the SP mill is present and there are subtle changes in building complexity as the years progress but at the scale and grainy resolution of the older photos, little detail was provided in the review. The city water pumping and filtering plant is present to the west of the SP throughout this timeframe. The Building #1 boiler house and Building 9 on the north end are not present in the 1942 and 1952 photos. In the 1977 photo a tall chimney is evident along the north side of the Building 1 boiler house. Other than the use of the site for industrial purposes and the presence of the large mill complex on the property, no obvious environmental concerns were observed as a result of this aerial photograph review.

4.5 Historic Topographic Maps

Historic topographic maps for the SP and surrounding area for the years 1893 -2013 were available from EDR and were reviewed as part of this Phase I ESA. Details provided on the historic topographic maps identified the site as being within a densely developed area of the City of Rensselaer from the earliest 1893 mapping to the current mapping. Most prominent are the

changes over time with automotive bridges present over the Hudson River in more recent years. The SP buildings are indicated on the mapping from 1925 until 1980 with no buildings shown on the 2013 mapping. It is known that the site buildings were present in the earlier years but the detail of the mapping does not show them, only the adjacent railroad tracks and city streets. Between 1950 and 1980 there are round tanks noted on the adjoining property to the southwest of the SP, along the east shore of the Hudson River, these tanks would be downgradient of the southernmost end of the SP.

No details for the SP indicating potential environmental concerns were obvious on this mapping, based on the limited details of the mapping. Copies of historic topographic maps of the SP area are attached in Appendix E.

4.6 Municipal Records

4.6.1 City/Town FOIL

A FOIL request for site-specific file information was provided to the City of Rensselaer, NY for information that may be available for the SP through the general FOIL request process. The City did not respond to this request within the timeframe of this assessment.

4.6.2 County FOIL

A FOIL request for site-specific file information was provided to the Rensselaer County for site information that may be available through the general FOIL request process. The County responded "there are no records responsive to [Alpine's] request".

4.6.3 New York State Department of Environmental Conservation

Files were requested from the NYSDEC for several spill listings and a petroleum bulk storage (PBS) listing at an the SP. The records are provided in Appendix G and specific instances of these issues are described in more detail within the subsections of Section 5 of this report.

4.7 Owner, Operator and Occupant Interviews

4.7.1 Property Owner/Key Site Representative

The SP owner provided information through the ASTM owner questionnaire provided in Appendix F.

4.7.2 Current Operators and/or Site Occupants

The SP at the time of the Phase I ESA, is identified as being owned by Bath Springs Development, LLC. The Property was vacant at the time of the ESA site visit and the property owners were in the process of cleaning up the site buildings and grounds.

4.7.3 Past Owners, Occupants, and Operators

ASTM E 1527-13 states that interviews be conducted with past owners, operators, and occupants who are likely to have material information regarding the potential for contamination at the property to the extent that 1) they have been identified and 2) the information likely to be obtained is not duplicative of information already obtained from other sources.

As of the completion of this Phase I ESA, past site owners were not identified as being available for interview.

4.8 Previous Environmental Investigations

A series of Asbestos Renovation Survey Inspection reports were completed in October of 2020 by Spectrum Environmental Associates, Inc. for Bath Springs Development LLC. These reports were provided by the report user for review by Alpine.

A "Preliminary Site and Building Assessment (three page report) was completed by CHA Consulting Services in April of 2013 for The Rensselaer Planning & Development Agency. This report described very general environmental conditions at the SP and was provided to Alpine for review.

No other historic Environmental Site investigation reports were identified for this property.

5.0 ENVIRONMENTAL REGULATORY AGENCY RECORD REVIEW

The environmental regulatory agency record review consisted of database searches of ASTM standard sources (Section 5.1) as well as supplemental databases and interviews with regulatory agency personnel when appropriate. A copy of the database search conducted by EDR for Alpine is provided in Appendix B. For sites whose locations could not be mapped by EDR (i.e., "orphan sites"), Alpine attempted to locate these sites through the use of maps, site reconnaissance or other means; as appropriate, these sites are included in their respective regulatory agency record section.

Conflicting or supplemental information obtained during the site reconnaissance or from interviews or other sources is discussed when/if appropriate below.

5.1 Standard ASTM Environmental Record Sources

The United States Environmental Protection Agency (USEPA) and New York State Department of Environmental Conservation (NYSDEC) regulatory agency record sources listed below and their corresponding search distances were reviewed per ASTM E 1527-13. Results of the review are summarized below and additional information, where sites were identified, is provided in Appendix B of this report.

5.1.1 Federal

Federal NPL Site List (1.0 mile radius)

A review of the United States Environmental Protection Agency (USEPA) National Priorities List (NPL) for Region II has shown that the SP is not present on this list. The NPL list indicates that one NPL site is present within a one-mile radius of the SP. The Hudson River PCB's Site is located 100-200 feet west of the SP, separated by a railroad and city owned park along the Hudson River. The Hudson River PCB Site extends from Troy, NY to The Battery in Manhattan and is contaminated in some areas with PCBs. This portion of the Hudson River is hydraulically and topographically separated from the SP and so is not expected to or known to have impacted soil or shallow groundwater quality at the SP.

Federal Delisted NPL Site List (1.0 mile radius)

A review of the United States Environmental Protection Agency (USEPA) National Priorities List (NPL) for Region II has shown that the SP is not present on this list. The NPL list indicates that no Federal Delisted NPL sites are located within a one-mile radius of the SP.

Federal CERCLIS List (0.5 mile radius)

A review of the USEPA Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) list has shown that the SP is not present on this list. The CERCLIS list indicates that one CERCLIS site is present within a one-half mile radius of the SP. The Hudson River PCB's Site is located 100-200 feet west of the SP, separated by a railroad and city owned park along the Hudson River. The Hudson River PCB Site extends from Troy, NY to The Battery in Manhattan and is contaminated in some areas with PCBs. This portion of the Hudson River is hydraulically and topographically separated from the SP and so is not expected to or known to have impacted soil or shallow groundwater quality at the SP.

Federal CERCLIS NFRAP List (0.5 mile radius)

A review of the USEPA Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) NFRAP (No further remedial action planned) list has shown that the SP is not present on the list, and that no NFRAP CERCLIS listed sites are located within 0.5 miles of the SP.

Federal RCRA CORRACTS Facilities List (1.0 mile radius)

A listing of RCRA facilities under corrective action (CORRACTS) was reviewed and indicates that the SP is not a CORRACTS site and that one CORRACTS site is listed as being present within 1.0 mile of the SP. The National Grid North Albany Site is listed as being at 1125 Broadway and is identified as 0.78 miles north/northwest of the SP. This site is in Albany and is separated from the SP, both hydraulically and topographically by the Hudson River. As such, no impacts to the SP from this property are expected.

Federal RCRA non-CORRACTS TSD Facilities Lists (0.5 mile radius)

The USEPA Federal RCRA non-CORRACTS TSD Facilities Lists was reviewed and indicates that the SP is not a RCRA non-CORRACTS TSD site and that there are no non-CORRACTS TSD sites listed as being present within 0.5 miles of the SP.

Federal RCRA Generators Lists (Property and adjoining)

The USEPA Resource Conservation and Recovery Act (RCRA) Hazardous Waste Generators list was reviewed and the SP is listed as a RCRA Small Quantity Generator (SQG).

The SP is identified as having generated the following wastes as an SQG, producing less than 1,000 Kilograms per month.

THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

No RCRA Generators were listed as being present on adjoining properties.

Federal Institutional Control/Engineering Control Registry (Property only)

The Federal Institutional Control/Engineering Control (IC/EC) Registry list was reviewed and the SP was not identified as an IC/EC site.

Federal ERNS List (Subject Property only)

The federal Emergency Response Notification System list was reviewed and the SP was not listed.

5.1.2 State

State Hazardous Waste Site List (1.0 Mile Radius)

The SP was not identified as a New York State Department of Environmental Conservation (NYSDEC) Inactive Hazardous Waste Disposal (IHWD) Site. There are two NYS Inactive Hazardous Waste Disposal Sites listed as existing within the one mile search radius. The two sites are identified as:

C&F Plating, located at 406 North Pearl Street and is identified as being 0.67 miles west/northwest of the Sp.

The National Grid Site is located at 1125 Broadway in North Albany and is identified as being located 0.78 miles north/northwest of the SP.

Based on the descriptions of these sites, separating distances and status, both sites are separated from the SP by the Hudson River and are not expected to impact soil or groundwater quality at the SP.

State Landfill or Solid Waste Sites (SWL) (0.5 Mile Radius)

The SP was not identified as a New York State Department of Environmental Conservation Landfill or Solid Waste Site. One NYS listed Solid Waste Site was identified as being present within 0.5 miles of the SP. This property is identified as being within 0.46 miles to the west of the SP and across the Hudson River from the SP. Due to the separating distance and separation by the Hudson River, this solid waste property is not expected to affect soil or groundwater quality at the SP.

State Leaking Underground Storage Tanks (LTANK) (0.5 Mile Radius)

The NYSDEC's Spills Information database was reviewed to obtain information on Leaking Underground Storage Tank (LTANK) events. LTANK events are a subset of events contained in the spills database where the release originated from an underground storage tank. This review indicates that three LTANK sites are listed as being located within 0.5 miles of the SP. All three are approximately ½-mile west of the site, in Albany and separated from the SP by the Hudson River. All of these spills have been closed by NYSDEC and based on separating distances and topography, none are likely to affect site soil or groundwater quality.

State Spills List (0.125 mile radius)

The NYSDEC spills database was reviewed and the SP was listed as a spill site on the following occasions:

Spill number 8806485: Reported on 11/3/1988 for Jelliff at 5 Forbes Avenue, however, records obtained appear to show Jelliff Corporation operated on the SP. The spill comments indicate "THERE EXISTS AN OLD 10K TANK ONSITE. IT WAS USED TO HOLD COTTONSEED OIL, AND ERRONEOUSLY ID'D AS A PBS TANK. NO OIL HAS EXITED THROUGH THEIR SPDES DISCHARGE POINT FOR FIVE OR MORE YEARS. PBS TANKS REMOVED." Remarks: "HYDRAULIC OIL ENTERING

HUDSON R. MCDONALD SPOT CHECKED, FOUND OIL IN STORM SEWER NEXT TO JELLIFF CORP.(KET). DOMERMUTH CONTRACTOR". The spill was closed 10/20/1995.

Spill number 99-01711: Reported on 5/10/1999. The spill comments indicate caller states that unknown persons are cutting up cars and letting waste oil from the cars drain on the ground and not cleaning it up. The area of the spill was described as being near the north end of the site buildings on the railroad side.

Spill number 0804418: was registered by NYSDEC for the SP identified as Hilton Industrial Park. The spill occurred on 7/17/2008 and resulted from the City of Rensselaer reporting to NYSDEC that asbestos was present in the building and was being disposed of improperly,

Spill number 1300591: Numerous drums were reported present in the SP building and were being labeled and disposed of by the owner. "Large area on the north end of the building appears to be a dump site where debris has been buried... underground tank is present on the south end of the building." DEC investigated and found 2-inches of fuel oil in the tank, large vaults are reportedly present under the building and appear to be designed for water flow under the building and discharge to the Hudson River. The investigation could not determine if floor drains through the building are tied to the vaults or where they discharge. "Building is coated with what might be asbestos and is flaking off the building and piling upon the floors. City code enforcement also identified a second underground tank (location not specified) and a waste oil tank and “burner” on the property." NYSDEC identified the site as having no registered tanks. This spill was closed on 6/14/2016 not meeting standards.

Three spill sites were located off-site, within 0.125 miles of the SP. The sites have all been closed by NYSDEC. One spill was reported for the SP but is described as off-site disposal of asbestos waste. A second spill is described as being within the Hudson River PCB site and a third spill at a nearby residential property was described as 2-gallons of fuel oil that spilled out of a heating oil tank vent. Based on the regulatory status of these spills of all being closed by the NYSDEC, database documentation for these spills, the distance to the SP, elevations of the spill sites, and/or the SP being served by public water supply, it is unlikely the spill sites identified in the vicinity of the SP would significantly impact soil or groundwater quality conditions on the SP.

Copies of SP spill reports are included in Appendix G of this report. Copies of spill reports for other nearby properties are also included in this appendix.

<u>State Registered Storage Tanks (property and adjoining)</u>

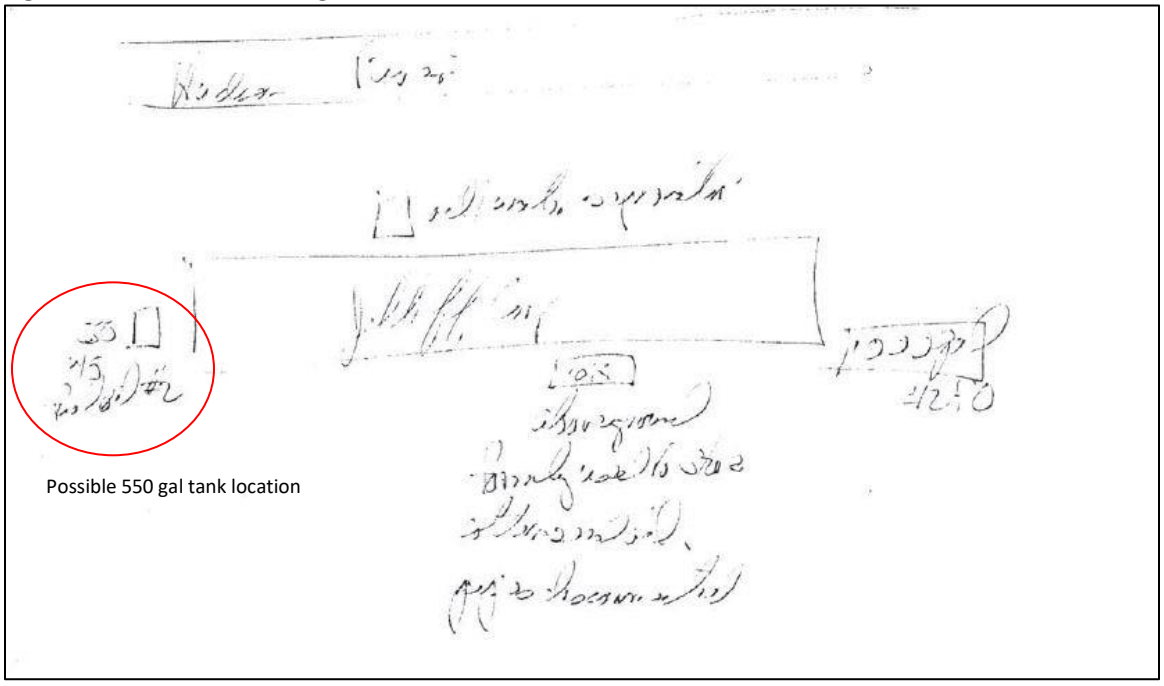
The SP has been identified as a New York State Department of Environmental Conservation (NYSDEC) registered petroleum bulk storage (PBS) facility.

PBS number 4-443514: The PBS files is listed for Jelliff Corporation at 5 Forbes Avenue, however, records obtained appear to show Jelliff Corporation operated from the SP. The PBS file was obtained from the DEC and shows three total tanks registrations, a 10,000 gallon, a 1,000 gallon, and a 550 gallon. The 10,000 gallon was removed from the registration due to the contents reported as cottonseed oil, not petroleum, and the 1,000 gallon fuel oil tank was reported closed/removed on the registration in September 1993. The 550 gallon underground fuel oil tank currently remains listed on the registration as active. The only drawing (sketch) in the provided PBS file appears to show the 550 gallon tank south of one of the site building (possibly Building

4), although the drawing is not well labeled and is of poor resolution. See a copy of the drawing in Figure 5.1 below.

Historic documents indicate that a large petroleum storage tank was present on the SP and was removed from the SP, and some smaller above ground storage tanks were present in Building 10 and were removed at some point. A historic Sanborn Fire Insurance Company map of the SP indicated the presence of a large underground fuel oil tank and acid tank along the east side of Buildings 6 and 5 and a large 100,000-gallon tank apparently used to store water, along the south side of Building 5. The dates of removal of these tanks and closure activities were not identified during the course of this investigation, although records provided by NYSDEC through a FOIL request indicate work performed by Domermuth Environmental Services in 1989 for the removal of one 1,000-gallon storage tank, but not where on the SP it was removed.

Figure 5.1: PBS File drawing of tank locations



Adjoining properties were not identified in the EDR database report as being petroleum or chemical bulk storage facilities.

State Institutional Control/Engineering Control Registry (Property only)

The SP was not identified on the state institutional control/engineering control registry.

State and Tribal Brownfields and Voluntary Cleanup Sites (0.5 Mile Radius)

The SP was not identified on the NYSDEC's voluntary cleanup or brownfields cleanup site database as a registered cleanup site. Five USEPA and NYS Brownfield Cleanup sites are listed as present within 0.5 miles of the SP. These properties are substantially separated from the SP and none are expected to affect soil or groundwater quality on the SP.

6.0 SITE VISIT

6.1 Conditions of Visit

6.1.1 Site Contact(s)

Mr. Russ Hilton of Bath Springs Development Company LLC provided site access for the site visit, general information and access to the site buildings.

6.1.2 Date of Visit

Kim Baines of Alpine performed the site visit on May 26, 2021. At the time of the site visit, the skies were clear with an ambient air temperature of approximately 80ºF.

6.1.3 Areas Observed

The nine SP buildings were observed throughout the main floors of the buildings, the basement areas where applicable, roof areas where accessible, and around the perimeter of the accessible outside building areas along site roadways. Adjacent properties were observed from the SP and from public streets.

6.2 Chemical and Petroleum Substances

6.2.1 Petroleum and Chemical Bulk Storage

An historic environmental assessment document by CHA Associates (April 29, 2013 Building Assessment) describes the presence of an underground storage tank and vent on the south side of Building 4 and an unknown concrete vessel adjacent to the west side of Building 4. Historic Sanborn Fire Insurance mapping indicates the presence of a large petroleum storage tank along the east side of Building 6 and an acid storage tank along the east side of Building 5. The CHA report also indicated the presence of three apparently inactive 275-gallon storage tanks in the northern end of Building 10 during the 2013 site inspection.

None of the tanks previously identified on the SP by CHA appear on the NYSDEC Petroleum Bulk Storage Tank Registry. No evidence of those tanks was observed on the SP during the Alpine site inspection. A large vent pipe was observed along the south side of Building 1 and also may be related to an underground storage tank in that area of the property. The site contact had no information regarding past site tanks or the vent on the south side of Building 1.

6.2.2 Raw Product Drums and Containers

No raw product drums or containers were observed on the SP during the Alpine inspection. Several upside down 55-gallon drums were present along the south side of the site buildings and appeared to be used as covers over storm drains in this area.

No other raw product drums or containers were observed at the SP during the site visit.

The CHA report indicates the presence of numerous drums and containers in rusted or otherwise poor condition, containing unknown liquids were observed within the ground level of Building 5. Several areas of concrete floor within this building were reported as being cracked or otherwise compromised, and some areas of ground surfaces exposed. This report also indicated that City of

Rensselaer code enforcement representatives observed that several drums and containers of unknown contents had been removed from Building 5 since their previous visit to the site…."the disposition of these containers was unknown". Follow-up inspections by NYSDEC confirm the storage of these drums on the SP and some indication of leaks to the concrete floor within the building. In a 1991 inspection letter (NYSDEC Spill #88-06485, William Blain letter dated October 4, 1991) reported observing more than 100 drums of used oil stored by Jelliff within the site building (approximately 5,000-gallons), a leaking drum of sodium hydroxide stored next to a drum of hydrochloric acid and several other drums of miscellaneous chemicals nearby. .

6.3 Site Waste Profile

6.3.1 Solid Wastes

No deposition of solid wastes or waste containers were noted on the SP at the time of the site visit.

CHA reported that an apparent dumping area for various debris was noted in the northern site area…."a significant amount of construction and demolition type debris was noted in this area". CHA noted that based on appearances in this area in conjunction with past documented actions of the property owner (at that time), including the "...attempted burial of PCB-contaminated electrical transformers...there is reason to suspect the dumping or burial of potentially hazardous waste materials in this area". CHA suggested that test pits should be completed in this area to evaluate subsurface conditions and the potential presence of buried debris.

6.3.2 Sludges

No sludge material/waste was observed on the SP at the time of the site visit.

6.3.3 Liquids

No obvious waste liquids were observed on the SP at the time of the site visit.

6.3.4 Waste Drums and Containers

No waste drums or other waste liquids containers were observed on the SP.

6.3.5 Wastewater Discharges

No evidence of wastewater related leaks, spills or other discharges were identified on the SP. A stormwater discharge from the SP reportedly discharges beneath the railroad tracks to the west of the site building and two stormwater discharge pipes discharge into the Hudson River to the west beneath the boat launch currently present at that location. Past reporting documents indicate that a company called Jelliff discharged used oil to an oil-water separator and into the SP stormwater system and was repeatedly cited by NYSDEC for failure to adequately separate the oil from this stormwater discharge system.

6.3.6 Pits, Ponds or Lagoons

No pits, ponds, or lagoons associated with waste treatment or disposal were identified on the SP.

6.4 Site Drainage

6.4.1 Catch Basins

A number of stormwater management catch basin drainage structures are present along the west side of the SP building. Stormwater discharged from the SP reportedly discharges beneath the railroad tracks to the west of the site building where two stormwater discharge pipes discharge into the Hudson River to the west beneath the boat launch currently present at that location. Other surface drains and possible building drains are also believed to discharge from locations throughout the facility and into this storm drainage system. Past reporting documents indicate that a company called Jelliff Corporation discharged used oil to an oil-water separator and into the SP stormwater system and was repeatedly cited by NYSDEC for failure to adequately separate the oil from this stormwater discharge system. No obvious indication of petroleum or chemical odors was noted in the drains that were visible at the time of the site visit. Many portions of the drainage system were covered or otherwise not observable during the site inspection.

6.4.2 Building Floor Drains

Floor drains of various types including trench style drains and holes in floor slabs were observed in all of the mill buildings. It is presumed that all floor drains observed within the mill buildings are likely to discharge to the stormwater system and ultimately to the river. Stormwater basins and other storm and floor drain structures may contain contaminants and these drainage systems would have to be inspected and sediments and liquids in them sampled to determine if contaminants remain within this system.

6.4.3 Dry Wells and Sumps

No drywells or sumps were identified on the SP during the site visit.

6.5 PCB-Containing Equipment

No oil-filled transformers labeled as PCB containing or other obvious PCB containing equipment was observed on the SP at the time of the site inspection. Historic documents indicate that PCB oil filled transformers historically existed on the SP and a concrete substation enclosure is present in the area east of Building 5 and south of Building 11. When the transformers were removed and how they were disposed is unknown.

6.6 Asbestos-Containing Material

An asbestos containing materials survey was conducted by Spectrum Environmental Associates, Inc. for the property owners (Bath Springs Development LLC), in October of 2020. Multiple reports collectively including the various SP buildings were issued by Spectrum for this survey and were provided to Alpine to review. Asbestos was present extensively throughout the SP buildings and the site owner reported that ongoing abatement activities by them and sub contracted abatement people have served to remove a large portion of the asbestos that was identified in the survey reports. Alpine has not determined the extent of the abatement or any other aspects of the abatement process as a function of this Phase I ESA. As reported by the SP owner, asbestos materials still remain in portions of the site buildings.

6.7 Lead-Based Paint

A lead based paint survey was not conducted by Alpine for this Phase I ESA. Based on the age of construction (Circa 1915), and subsequent building construction, renovations and maintenance, lead paint is likely to be present on/in the SP buildings.

6.8 Radon

Based on the USEPA Radon Screening results for the SP area, the SP is in a Zone 1 Area where 65% of the property basements screened were less than 4 Pico curies / Liter of air (pCi/L) and 35% of the basements screened were above 4 pCi/L. The EPA Action level for residential dwellings is 4.0 pCi/L, suggesting that structures in the SP area may exceed the EPA action level for radon mitigation.

7.0 EVIDENCE OF POTENTIAL/KNOWN SITE CONTAMINATION

7.1 Soil or Surface Contamination

No direct evidence of soil or surface contamination (e.g., stained soil, stained pavement or areas of corrosion) was observed on the SP during the Phase I ESA site visit.

7.2 Liquid Contamination

No visual evidence of contaminated liquid discharges or contamination of surface water bodies was observed on the SP or on adjacent properties, as observed from the site, during the site visit.

7.3 Vapor Contamination

A tier 1 vapor encroachment screen was performed in accordance with ASTM E2600-10. This screen applied common subsurface contaminant plume data and assumed groundwater flow direction to historic spills or releases along with generalizations about potential subsurface vapor migration distances, to identify sites that are likely to pose a vapor migration threat to the subject site property.

Evaluation of the data on site area spills provided in Section 5.1, with the assumptions and generalizations outlined above, revealed that vapor encroachment from identified area spills/releases, cannot be ruled out and the risk is moderate to high, based on the past use of the SP for industrial purposes and documented spills on the SP. Only vapor testing on the SP could determine if site and area spills have caused vapor encroachment impacts to the SP.

7.4 Soil or Surface Disturbances

The SP is an extensively disturbed property with more than 100 years of industrial development throughout the property. Landfilling is known to have occurred on the north end of the property where construction and demolition materials are known to have been buried over the years. Fill materials were observed in the edges of this filled area during the ESA inspection.

7.5 Stressed Vegetation

Stressed vegetation areas were identified throughout the SP during the site visit where industrial development, use and filling in some areas prevented natural vegetative growth from occurring.

7.6 Waste Deposits

Landfilling is known to have occurred on the north end of the property where construction and demolition materials are known to have been buried over the years. Fill materials including concrete, bricks wood and steel were observed in the edges of this filled area during the ESA inspection.

7.7 Odors

At the time of the ESA inspection, no petroleum or chemical odors were identified on site within or adjacent to the site buildings, based on olfactory observation.

8.0 REPORT FINDINGS, OPINIONS AND CONCLUSIONS

Alpine Environmental Services, Inc. has completed a Phase I Environmental Site Assessment (Phase I ESA) in conformance with the scope and limitations of ASTM Practice E 1527-13 on the Subject Property (SP). The SP considered in this Phase I Environmental Site Assessment is a 6.1-acre land parcel in the City of Rensselaer, Rensselaer County, NY, known as 20 Forbes Avenue. The site contains seven industrial use buildings that covers a large portion of the tax parcel.

The SP is identified as having been originally constructed in 1873 as the Stroebel Malt House Brewery. The facility was then purchased in 1905 by The William Barnet Company and became the William Barnet & Sons All Wool Shoddy Mill, which reclaimed wool scraps from textile mills and restored them into batched wool fabric for resale. In 1915, the original mostly wooden mill structure burned in a fire and was then re-constructed as a masonry and steel fireproof structure and remained as the shoddy mill until sometime in the 1960's when the company moved its operations to South Carolina. The mill facility was thereafter purchased by Hilton Management, LLC, and became The Hilton Center, leasing portions of the building to numerous tenants for a wide spectrum of commercial, industrial and fine arts uses. Some of the known uses within portions of the facility have included tenant occupation by an architectural firm, a photography studio, automobile repair, industrial manufacturing of wire products, studio space for musicians, storage space and numerous other uses over decades of tenant rental. The property is currently vacant and is undergoing preliminary building area cleanup for a planned project that is to include renovation of the site buildings into residential apartments.

This assessment was comprised of a site reconnaissance, interviews with individuals knowledgeable of the property, and a regulatory and historical information review. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report.

Provided below is a summary of the findings identified as a result of this ESA. This summary provides our opinions as to the potential impact of these findings to the site based on the Phase I ESA process. These findings are grouped into recognized environmental conditions & de minimis conditions, data gaps, and non ASTM conditions.

8.1 Recognized Environmental Conditions & De Minimis Conditions

8.1.1 This assessment has revealed the following evidence of recognized environmental conditions (RECs) in connection with the Subject Property.

1. The facility was originally constructed as a brewery but was then converted to a textile mill called William Barnet & Sons All Wool Shoddy Mill. This industrial use occurred from 1905 into the 1960's. The industrial use of the mill with extensive industrial equipment that had to be maintained throughout this timeframe required lubricating chemicals, solvents and other types of chemicals that had to be stored, used and disposed of. No accounting for how these materials were used, stored and disposed is known. It is presumed that spills or spills from storage or disposal could have occurred over this sixty years of industrial operations. Some testing of site soil and groundwater will be necessary to determine if adverse impacts to the subsurface have occurred.

2. Use of the facility by The Hilton Center for decades renting to industrial and commercial tenants has included manufacturing, automotive repair and possible salvaging and other commercial and industrial uses that have stored and used large quantities of petroleum and other chemicals. Spills including discharge of oil to the ground, storage of large

quantities of drummed chemicals and leaks in the storage areas have occurred and were documented by the City of Rensselaer and the New York State Department of Environmental Conservation in the 1980's and 1990's. Additional storage of chemicals in areas used to store vehicles, service and repair vehicles has also occurred during the Hilton Center timeframe and these areas are not documented. Extensive soil and ground water sampling across the SP will be necessary to determine if the documented spills and other spills that may have occurred and not been documented, have degraded site soil and groundwater quality to the extent that current regulatory cleanup standards may be exceeded in the site subsurface.

3. Land filling has reportedly occurred in the northern end of the SP. CHA reported as a result of a 2013 site inspection, that an apparent dumping area for various debris was noted in the northern site area. A significant amount of construction and demolition type debris was noted in this area. CHA noted that based on appearances in this area in conjunction with past documented actions of the property owner (at that time), including the attempted burial of PCB-contaminated electrical transformers, "there is reason to suspect the dumping or burial of potentially hazardous waste materials in this area". CHA recommended that test pits should be completed in this area to evaluate subsurface conditions and the potential presence of buried debris. Alpine agrees with this recommendation to address this REC.

4. Multiple petroleum and chemical storage tanks have existed on the SP. Three tanks were registered with the DEC, two were reportedly closed, the third, a 550 gallon underground fuel oil tank remains listed on the registration as "Active". The location of this tanks is not clearly identified in the PBS records obtained from the DEC. Other tanks referenced documents reviewed (i.e. spill reports, Sanborn maps, etc.) were not registered with the DEC. It is possible that any of these tanks may have leaked or that spills from filling the tanks could have occurred and contaminated site soil and groundwater quality. Any tanks still present must be properly registered and closed through the NYSDEC Petroleum Bulk Storage Program.

5. A vent that may be a petroleum storage tank vent is present along the south side of Building #1. The site owner did not know the purpose of this vent. This vent should be investigated to determine if a storage tank is still present in this area of the SP. If present, this tank will have to be investigated and properly closed in accordance with NYSDEC storage tank closure regulations.

6. According to historic mapping, a 100,000-gallon storage tank is present at or near the south end of building 5 and "large vaults" were reported by NYSDEC to exist beneath portions of the mill buildings. These tanks could contain chemicals or chemical residue from manufacturing operations or petroleum or chemicals that may have leaked beneath the building floors from storage or use of these liquids within the buildings. Additionally, it is presumed that all floor drains observed within the mill buildings are likely to discharge to the stormwater system and ultimately to the river. Stormwater basins and other storm and floor drain structures may contain contaminants and would have to be inspected and sediments and liquids in them sampled to determine if contaminants remain within this system.

7. An electrical power substation is present along the west side of the SP, to the east of Building 5. Multiple PCB oil containing transformers are likely to have been present within this substation. If transformers within the substation leaked to the ground, PCB and petroleum contaminated soil may exist within or adjacent to the substation area. If

contaminants are present, and if the levels are above regulatory cleanup standards, remedial actions may be necessary to achieve regulatory compliance.

8. Given the spills that have been documented on the SP by NYSDEC, including the uses and storage of drummed chemicals in the site buildings and evidence of spills from drummed chemicals, vapor intrusion from chemicals that may have leaked or spilled beneath the site buildings is possible. Vapor sampling should be completed beneath the lowest level building area floor slabs to determine if vapor mitigation will be necessary for re-use of any of the site buildings.

8.1.2 A "de minimis condition" is a condition that generally does not present a threat to human health or the *environment* and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis conditions* are not *recognized environmental conditions* nor *controlled recognized environmental conditions*. This assessment has revealed no evidence of de minimis conditions in connection with the Subject Property.

8.2 Data Gaps

No substantial data gaps were identified during this Phase I ESA.

8.3 Non ASTM Environmental Conditions

The SP building is in an area with potentially elevated radon levels. Alpine did not perform radon testing at the SP.

Asbestos containing materials are known to be present within the SP buildings and the building owner was in the process of abating these materials during this ESA. Alpine did not evaluate asbestos containing materials at the SP or the abatement process occurring at the SP for this ESA.

8.4 Conclusions

Alpine Environmental Services, Inc. has performed a Phase I Environmental Site Assessment for the SP in conformance with the scope and limitations of ASTM Practice E 1527-13. This assessment has revealed evidence of several recognized environmental conditions (REC's) that will require a subsequent soil, groundwater, and sub slab soil gas investigation to determine if mitigation is necessary to comply with current regulatory standards.

9.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

I declare that, to the best of my professional knowledge and belief, I meet the definition of an Environmental Professional as defined in Section 312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

_____

Kim L. Baines, LEP
Environmental Professional

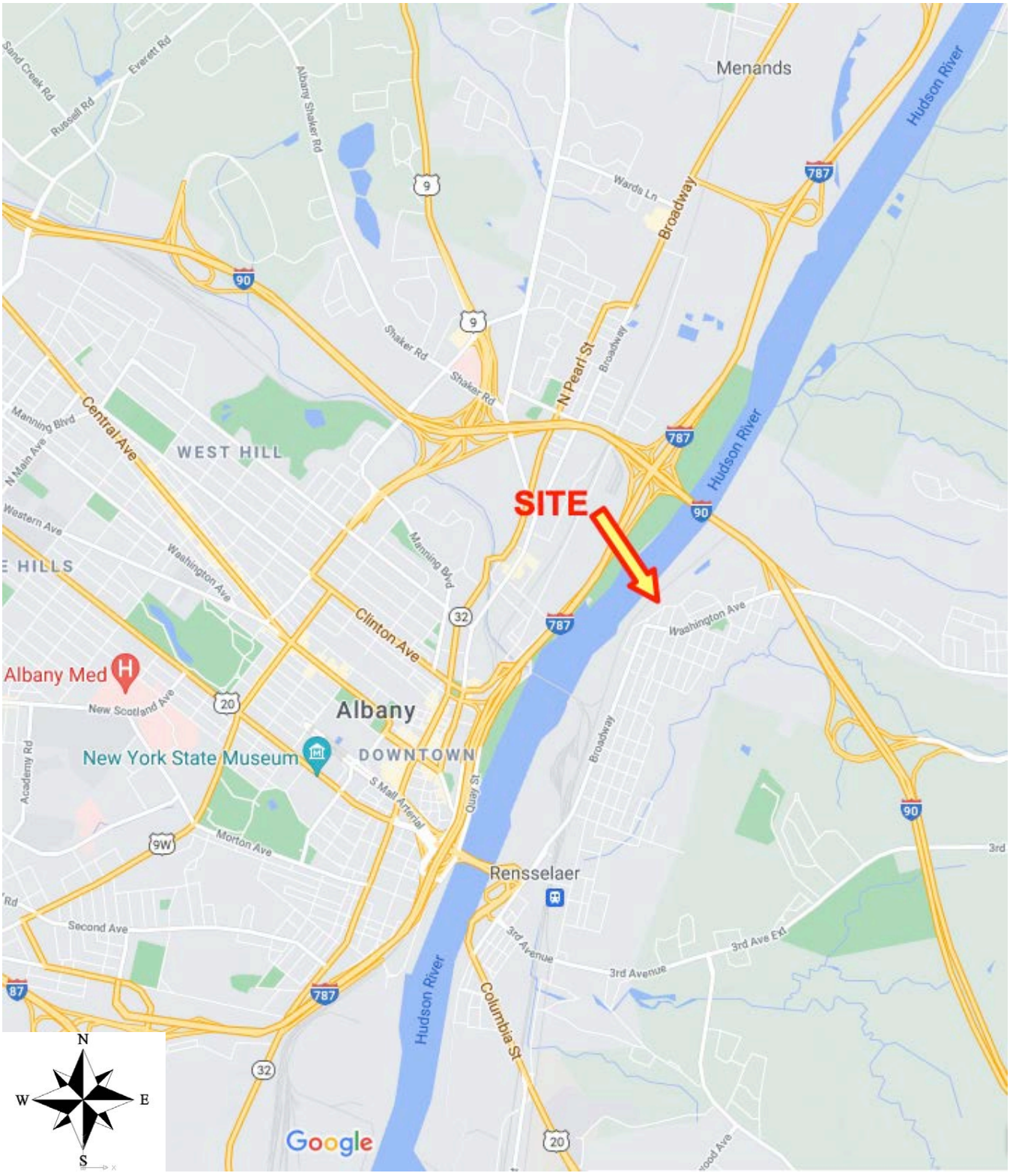
LIST OF PEOPLE AND AGENCIES CONTACTED

1. Mr. Bryan Davis, BBL Construction Services, LLC of Albany, NY (report user representative)
2. Mr. Russ Hilton, Bath Springs Development Company LLC (Site Owner)
3. Mr. Mark Taliska, Bath Springs Development Company LLC (Site Owner)
4. New York State Department of Environmental Conservation, Central and Region 4 Offices
5. Rensselaer County Municipal FOIL Request
6. City of Rensselaer, NY – Municipal FOIL Request

DOCUMENTS REVIEWED

1. Environmental Data Resources, Inc. ASTM Environmental Database Report
2. Historic Topographic Maps of the site area – EDR, Inc.
3. Historic Summary of Site Area City Directories – EDR Inc.
4. Aerial Photographs provided by Environmental Data Resources, Inc.
5. Digital satellite ortho-photograph provided by Google Maps and Bing Mapping.
6. Fire Insurance Maps from the Sanborn Map Company Archives. Late 19th Century to most current available: provided by Environmental Data Resources, Inc.
7. New York State Museum and Science Service Geologic Map of New York State
8. New York State Museum and Science Service Surficial Geologic Mapping of New York State.
9. United States Geological Survey Topographic Mapping
10. Spectrum Environmental Associates, Inc. Asbestos Renovation Survey Inspection reports for the site buildings dated October of 2020 and prepared for Bath Spring Development.
11. The Springs at Barnet Mills, Bath Springs Development, LLC, Development plans by Wallant Architecture – Plan Set dated July 26, 2018
12. BBL Construction Services development plan set dated December 24, 2020
13. Hilton Arts Center Topographic Center Topographic Survey dated April 14, 2014 by Weston & Sampson
14. Surveysmith Land Surveying, Boundary Retracement Land survey, Lands of Hilton Management, LLC, January 21, 2018

FIGURES



Project: Barnet Mill Phase I ESA
DRAWING DATE June, 2021
Project Number: 21-26694-E

FIGURE – 1 SITE LOCATION

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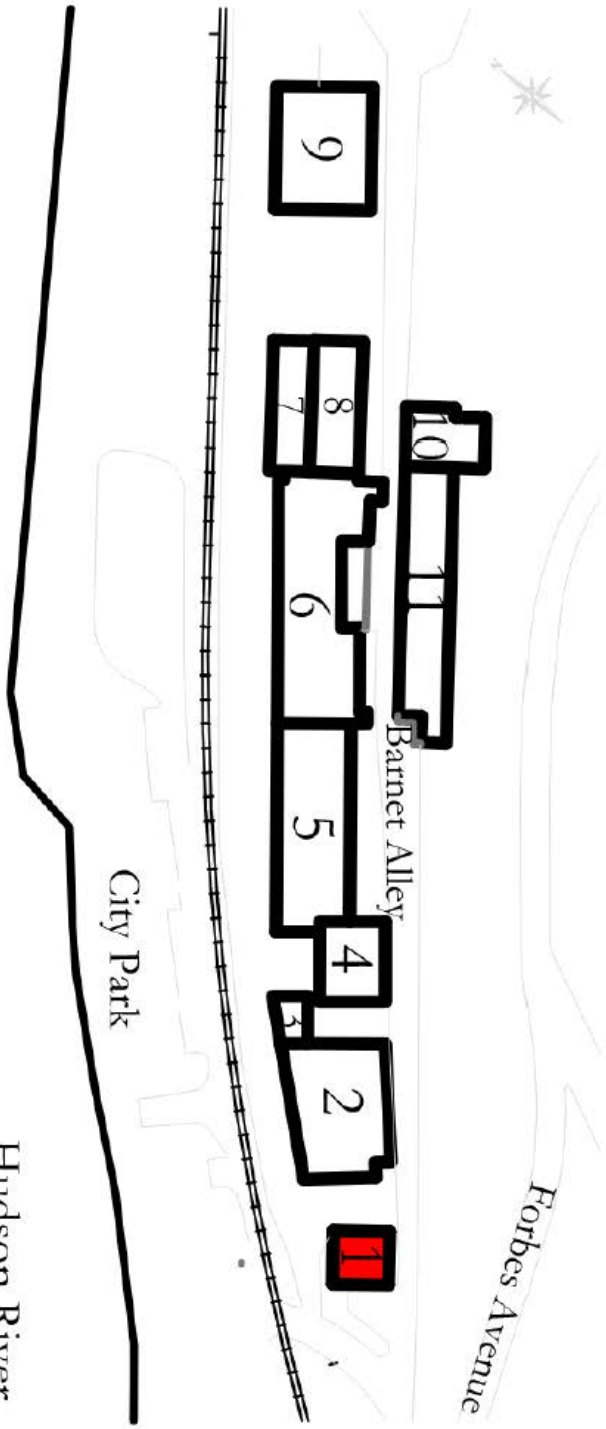

Building Numbers as Described in ESA Report Buildings 2 and 3 Were Demolished

Project: Barnet Mill Phase I ESA
DRAWING DATE June, 2021
Project Number: 21-26694-E

FIGURE – 2 SITE PLAN

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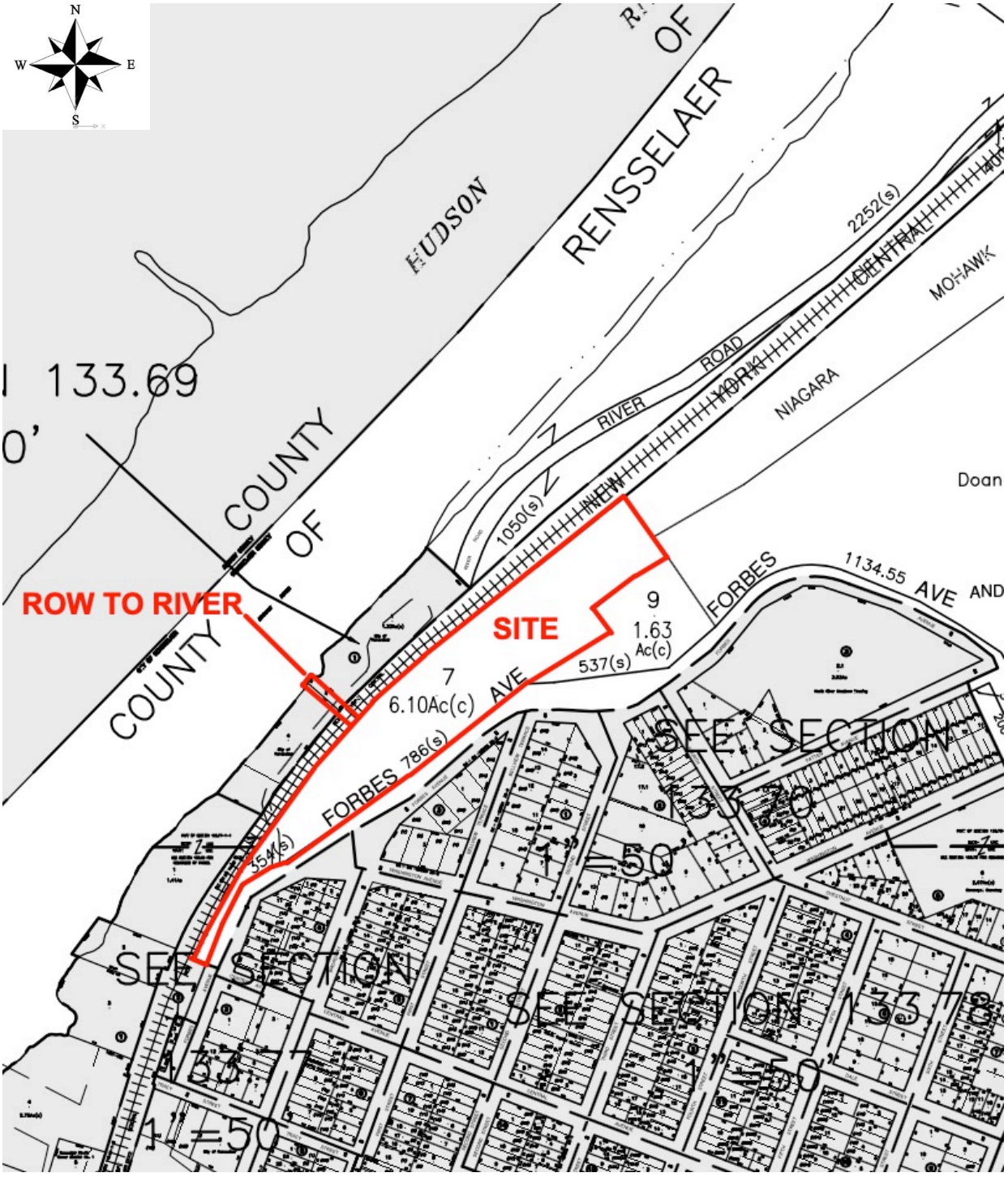

FIGURE – 3 Tax MAP

Project: Barnet Mill Phase I ESA
DRAWING DATE June, 2021
Project Number: 21-26694-E

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FIGURE – 4 SP Survey Map

(ATTACHED)

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DRAWING DATE June, 2021
Project Number: 21-26694-E

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Appendix A:
Site Photographs

Site Photos

Former Barnet Mill Site

June, 2021

NOTE: Interior photos of mill building areas were very dark due to lack of power/lighting and so are not included

Mill complex buildings from southwest

Building #1 from west side

Building #1 from south

Suspected tank vent along south side of Building #1

Mill complex, south side of Buildings #5/6

Base foundation for former smokestack along north side of Building #1

Foundation remains in area of former Buildings #2/3

South side of mill buildings #4/5

South side of Building #5 and suspected location of underground vault/tank

South side of Building #4

Eastern side mill roadway looking north between buildings

West side of Building #5, heavy vegetative growth in sunken area between building and roadway

East side of Buildings #5/6

Historic Substation impoundment - heavy vegetative growth in foundation area

Substation area shown with minimal growth from 2017 Google Streetview imaging

South side of Building #11

Roadway between Buildings #5/6 and #11

North Side of Building #10

Looking northward at Building #9 roof area from east side roadway

North side of Building #9 and main mill buildings to the south

Northern end of SP where debris burial was reported

Northern end of SP beyond Building #9 where debris burial was reported.

Mill complex looking south from Building #9

Building #9 from Southwest side. The west side of this building is filled with old automobiles

North end of Buildings #7/8

West side of mill buildings 5/6 looking southward

Rensselaer Riverfront Park area west of SP

Boat launch and park west of SP Mill

Property west of south end of SP, historic location of large storage tanks in bermed impoundment

Railroad electrical system enclosure on or adjacent to southern tip of SP

Appendix B:

Environmental Database Report

20 Forbes Ave
20 Forbes Ave
Rensselaer, NY 12144

Inquiry Number: 6490375.2s
May 12, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

20 FORBES AVE
RENSSELAER, NY 12144

COORDINATES

Latitude (North):	42.6591710 - 42° 39' 33.01''
Longitude (West):	73.7327490 - 73° 43' 57.89''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	603864.2
UTM Y (Meters):	4723531.5
Elevation:	31 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5936283 TROY SOUTH, NY
Version Date:	2013
Northwest Map:	5936273 ALBANY, NY
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150607
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
20 FORBES AVE
RENSSELAER, NY 12144

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	HILTON CENTER	20 FORBES AVE BLDG 1	RCRA-SQG, FINDS, ECHO		TP
A2	ARTHUR HILTON PROPER	20 FORBES AVENUE	NY Spills		TP
Reg	HUDSON RIVER PCBS	NO STREET APPLICABLE	NPL, SEMS, RCRA-LQG, US ENG CONTROLS, US INST...	Same	140, 0.027, WNW
3	STEPHAN RES BELLVIEW	50 BELLVIEW TERR	NY Spills	Higher	408, 0.077, SSE
4	AUSTIN GARAGE	0 WASHINGTON AVE	EDR Hist Auto	Higher	460, 0.087, SSW
5	HILTON INDUSTRIAL PA	FORBES AVE	NY Spills	Higher	641, 0.121, ENE
6	38 WASHINGTON AVENUE	38 WASHINGTON AVENUE	US BROWNFIELDS	Higher	679, 0.129, SSE
7	THIRD STREET CITGO	1647 A 3RD ST	NY UST	Higher	981, 0.186, SSE
B8	JELLIFF CORP.	5 FORBES RD	NY UST, NY AST	Lower	1151, 0.218, SW
B9	JELLIFF CORP	5 FORBES RD	NY Spills, RCRA NonGen / NLR, FINDS, ECHO, NY...	Lower	1151, 0.218, SW
B10	9 TRACY ST	9 TRACY ST	US BROWNFIELDS, FINDS	Higher	1192, 0.226, SSW
C11	FORBES AVE PUMP STAT	FORBES AVE	NY UST	Lower	1285, 0.243, SW
C12	POLSINELLO TERMINAL	FORBES & TRACY STREE	NY MOSF	Lower	1287, 0.244, SW
13	1523-1549 BROADWAY	1523-1549 BROADWAY	US BROWNFIELDS, FINDS	Higher	1348, 0.255, SSW
14	CHANDLER PLT		FUDS	Lower	2028, 0.384, West
15	ALBANY STO YARD		FUDS	Lower	2195, 0.416, West
16	THE HOLLOW	THIRD STREET	US BROWNFIELDS	Higher	2333, 0.442, SE
17	HUDSON METAL - MOMEN	11 N FERRY ST	NY SWRCY, NY Spills, RCRA NonGen / NLR, FINDS,...	Lower	2411, 0.457, West
18	ALBANY WATER DEPT OF	35 ERIE BLVD	RCRA-VSQG, NY LTANKS, NY CBS, NY CBS AST, NY...	Lower	2561, 0.485, NNW
19	THE HOLLOW	FOURTH STREET TO TEN	US BROWNFIELDS, FINDS	Higher	2600, 0.492, East
D20	RYDER TRUCK ERIE BLV	10 ERIE BLVD	NY LTANKS	Lower	2617, 0.496, West
D21	RYDER TRUCK RENTAL I	10 ERIE BLVD E SIDE	RCRA-VSQG, NY LTANKS, NY AST, NY Spills, NY...	Lower	2617, 0.496, West
22	SIMMONS MACHINE AND	1000 NORTH BROADWAY	FUSRAP	Lower	3419, 0.648, NW
23	C & F PLATING NYSDEC	406 N PEARL ST	SEMS, RCRA-LQG, NY SHWS, NY Spills, NJ MANIFEST,...	Higher	3535, 0.670, WNW
E24	NATIONAL GRID- N ALB	1125 BROADWAY	CORRACTS, RCRA-TSDF, RCRA-LQG, 2020 COR ACTION,...	Lower	4110, 0.778, NNW
E25	NATIONAL GRID (NIMO)	1125 BROADWAY	NY SHWS, NY Spills, NY MANIFEST	Lower	4110, 0.778, NNW
E26	NIMO - NORTH ALBANY	1125 BROADWAY	EDR MGP	Lower	4110, 0.778, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
HILTON CENTER 20 FORBES AVE BLDG 1 RENSSELAER, NY 12144	RCRA-SQG EPA ID:: NYR000201921 FINDS Registry ID:: 110055945090 ECHO Registry ID: 110055945090	NYR000201921
ARTHUR HILTON PROPER 20 FORBES AVENUE RENSSELAER, NY	NY Spills Spill Number/Closed Date: 1300591 / 2016-06-14 Site ID: 480924 Spill Date: 2013-04-15	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

EXECUTIVE SUMMARY

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF ---------- Facility Register

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
NY HIST LTANKS ---------- Listing of Leaking Storage Tanks

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
NY CBS UST ---------- Chemical Bulk Storage Database
NY MOSF UST ---------- Major Oil Storage Facilities Database
NY MOSF AST ---------- Major Oil Storage Facilities Database
INDIAN UST ---------- Underground Storage Tanks on Indian Land
NY TANKS ---------- Storage Tank Faciliy Listing

State and tribal institutional control / engineering control registries

NY RES DECL ---------- Restrictive Declarations Listing
NY ENG CONTROLS ---------- Registry of Engineering Controls
NY INST CONTROL ---------- Registry of Institutional Controls

State and tribal voluntary cleanup sites

NY VCP ---------- Voluntary Cleanup Agreements
INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY BROWNFIELDS ---------- Brownfields Site List
NY ERP ---------- Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

NY SWTIRE ---------- Registered Waste Tire Storage & Facility List
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
NY DEL SHWS ---------- Delisted Registry Sites
US CDL ---------- National Clandestine Laboratory Register

NY PFAS ---- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

NY HIST UST ---- Historical Petroleum Bulk Storage Database
NY HIST AST ---- Historical Petroleum Bulk Storage Database

Local Land Records

NY LIENS ---- Spill Liens Information
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
NY Hist Spills ---- SPILLS Database
NY SPILLS 90 ---- SPILLS 90 data from FirstSearch
NY SPILLS 80 ---- SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PADS ---- PCB Activity Database System
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
DOT OPS ---- Incident and Accident Data
INDIAN RESERV ---- Indian Reservations
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
UXO ---- Unexploded Ordnance Sites
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
NY AIRS ---- Air Emissions Data
NY COAL ASH ---- Coal Ash Disposal Site Listing
NY DRYCLEANERS ---- Registered Drycleaners
NY E DESIGNATION ---- E DESIGNATION SITE LISTING
NY Financial Assurance ---- Financial Assurance Information Listing
NY HSWDS ---- Hazardous Substance Waste Disposal Site Inventory
NY SPDES ---- State Pollutant Discharge Elimination System
NY VAPOR REOPENED ---- Vapor Intrusion Legacy Site List
NY UIC ---- Underground Injection Control Wells

NY COOLING TOWERS..... Registered Cooling Towers
NY LEAD..... Lead-based Paint Testing Results
MINES MRDS..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 12/30/2020 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS Cerclis ID:: 202229 EPA Id: NYD980763841	***NO STREET APPLICABLE***	***WNW 0 - 1/8 (0.027 mi.)***	***0***	***12***

EXECUTIVE SUMMARY

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 12/30/2020 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***WNW 0 - 1/8 (0.027 mi.)***	***0***	***12***
Site ID: 0202229				
EPA Id: NYD980763841				

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/14/2020 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL GRID- N ALB	***1125 BROADWAY***	***NNW 1/2 - 1 (0.778 mi.)***	***E24***	***159***
EPA ID:: NYD000730408				

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/14/2020 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***WNW 0 - 1/8 (0.027 mi.)***	***0***	***12***
EPA ID:: NYD980763841				

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 10/28/2020 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***WNW 0 - 1/8 (0.027 mi.)***	***0***	***12***
EPA ID:: NYD980763841				
EPA ID:: NYD980763841				

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 10/28/2020 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***WNW 0 - 1/8 (0.027 mi.)***	***0***	***12***
EPA ID:: NYD980763841				

State- and tribal - equivalent CERCLIS

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 02/09/2021 has revealed that there are 2 NY SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C & F PLATING NYSDEC	***406 N PEARL ST***	***WNW 1/2 - 1 (0.670 mi.)***	***23***	***135***
Site Code: 415349				
Class Code: Significant threat to the public health or environment - action required.				

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL GRID (NIMO)	***1125 BROADWAY***	***NNW 1/2 - 1 (0.778 mi.)***	***E25***	***257***
Site Code: 58530				

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 02/09/2021 has revealed that there are 3 NY LTANKS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALBANY WATER DEPT OF	***35 ERIE BLVD***	***NNW 1/4 - 1/2 (0.485 mi.)***	***18***	***86***
Spill Number/Closed Date: 8703215 / 1987-11-02				
Spill Number/Closed Date: 8904851 / 1990-01-29				
Site ID: 316746				
Site ID: 316747				
Spill Date: 1987-07-21				
Spill Date: 1989-08-15				
RYDER TRUCK ERIE BLV	10 ERIE BLVD	W 1/4 - 1/2 (0.496 mi.)	D20	106
Spill Number/Closed Date: 9605317 / 1999-02-02				
Site ID: 148203				
Spill Date: 1996-07-24				
RYDER TRUCK RENTAL I	***10 ERIE BLVD E SIDE***	***W 1/4 - 1/2 (0.496 mi.)***	***D21***	***107***
Spill Number/Closed Date: 8708160 / 1989-03-22				
Spill Number/Closed Date: 8900577 / 1989-04-26				
Spill Number/Closed Date: 9011390 / 1992-02-06				
Spill Number/Closed Date: 9310972 / 1999-02-02				
Site ID: 150010				
Site ID: 150012				
Site ID: 150014				
Site ID: 150016				
Spill Date: 1987-12-21				
Spill Date: 1989-04-19				
Spill Date: 1991-01-29				
Spill Date: 1993-12-09				

State and tribal registered storage tank lists

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, has revealed that there are 3 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THIRD STREET CITGO	1647 A 3RD ST	SSE 1/8 - 1/4 (0.186 mi.)	7	43
Database: UST, Date of Government Version: 12/17/2020				

Lower Elevation	Address	Direction / Distance	Map ID	Page
JELLIFF CORP.	***5 FORBES RD***	***SW 1/8 - 1/4 (0.218 mi.)***	***B8***	***46***
Database: UST, Date of Government Version: 12/17/2020				

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORBES AVE PUMP STAT Database: UST, Date of Government Version: 12/17/2020	FORBES AVE	SW 1/8 - 1/4 (0.243 mi.)	C11	61

NY MOSF: These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

A review of the NY MOSF list, as provided by EDR, and dated 12/17/2020 has revealed that there is 1 NY MOSF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
POLSINELLO TERMINAL Tank Status: Inactive Facility Id: 4-1620	FORBES & TRACY STREE	SW 1/8 - 1/4 (0.244 mi.)	C12	64

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, has revealed that there is 1 NY AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
JELLIFF CORP. Database: AST, Date of Government Version: 12/17/2020 Facility Id: 4-443514	***5 FORBES RD***	***SW 1/8 - 1/4 (0.218 mi.)***	***B8***	***46***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 12/11/2020 has revealed that there are 5 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
38 WASHINGTON AVENUE Cleanup Completion Date: - ACRES property ID: 176783	38 WASHINGTON AVENUE	SSE 1/8 - 1/4 (0.129 mi.)	6	41
9 TRACY ST Cleanup Completion Date: - ACRES property ID: 153983	***9 TRACY ST***	***SSW 1/8 - 1/4 (0.226 mi.)***	***B10***	***59***
1523-1549 BROADWAY	***1523-1549 BROADWAY***	***SSW 1/4 - 1/2 (0.255 mi.)***	***13***	***64***

Cleanup Completion Date: - ACRES property ID: 153982				
THE HOLLOW Cleanup Completion Date: - ACRES property ID: 132517	THIRD STREET	SE 1/4 - 1/2 (0.442 mi.)	16	68
THE HOLLOW Cleanup Completion Date: - ACRES property ID: 169645	***FOURTH STREET TO TEN***	***E 1/4 - 1/2 (0.492 mi.)***	***19***	***103***

Local Lists of Landfill / Solid Waste Disposal Sites

Registered Recycling Facility List from the Department of Environmental Conservation.

A review of the NY SWRCY list, as provided by EDR, and dated 12/31/2020 has revealed that there is 1 NY SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUDSON METAL - MOMEN	***11 N FERRY ST***	***W 1/4 - 1/2 (0.457 mi.)***	***17***	***75***

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 02/09/2021 has revealed that there are 3 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS Spill Number/Closed Date: 0308107 / 2003-10-31 Site ID: 237813 Spill Date: 2003-10-31	***NO STREET APPLICABLE***	***WNW 0 - 1/8 (0.027 mi.)***	***0***	***12***
STEPHAN RES BELLVIEW Spill Number/Closed Date: 0604935 / 2006-08-02 Site ID: 368021 Spill Date: 2006-07-31	50 BELLVIEW TERR	SSE 0 - 1/8 (0.077 mi.)	3	39
HILTON INDUSTRIAL PA Spill Number/Closed Date: 0804418 / 2008-07-18 Site ID: 401326 Spill Date: 2008-07-17	FORBES AVE	ENE 0 - 1/8 (0.121 mi.)	5	40

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/14/2020 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
JELLIFF CORP	***5 FORBES RD***	***SW 1/8 - 1/4 (0.218 mi.)***	***B9***	***51***
EPA ID:: NYD096932108				

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 02/11/2021 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHANDLER PLT		W 1/4 - 1/2 (0.384 mi.)	14	67
ALBANY STO YARD		W 1/4 - 1/2 (0.416 mi.)	15	68

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 12/30/2020 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***WNW 0 - 1/8 (0.027 mi.)***	***0***	***12***
EPA ID:: NYD980763841				

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 12/31/2020 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***WNW 0 - 1/8 (0.027 mi.)***	***0***	***12***

FUSRAP: DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

A review of the FUSRAP list, as provided by EDR, and dated 08/08/2017 has revealed that there is 1 FUSRAP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SIMMONS MACHINE AND Site Status: Eliminated from consideration under FUSRAP Site ID: NY.35	1000 NORTH BROADWAY	NW 1/2 - 1 (0.648 mi.)	22	134

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
JELLIFF CORP EPA ID: NYD096932108	***5 FORBES RD***	***SW 1/8 - 1/4 (0.218 mi.)***	***B9***	***51***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NIMO - NORTH ALBANY	1125 BROADWAY	NNW 1/2 - 1 (0.778 mi.)	E26	276

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk

Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

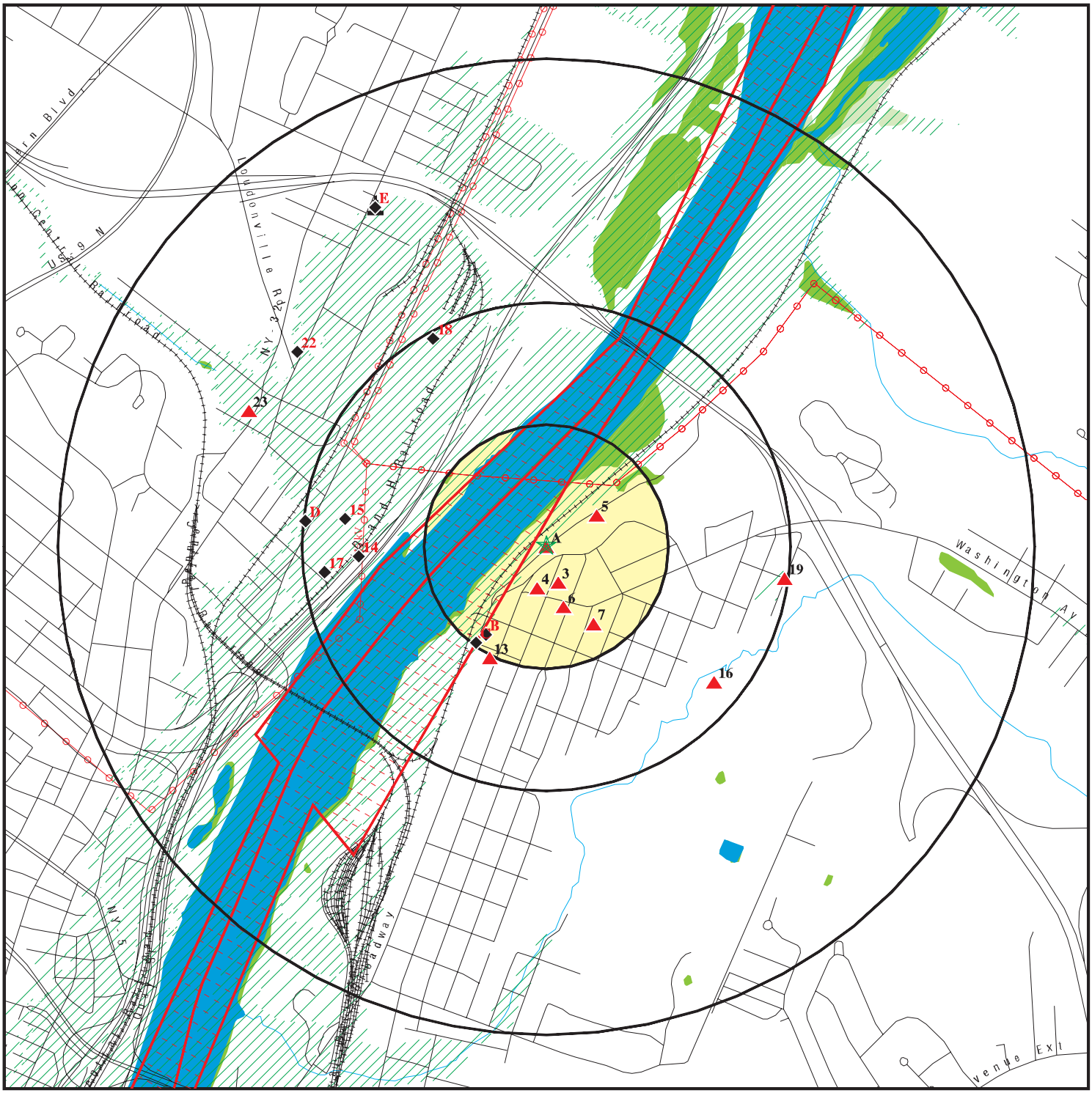
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AUSTIN GARAGE	0 WASHINGTON AVE	SSW 0 - 1/8 (0.087 mi.)	4	40

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 8 records.

Site Name	Database(s)
ASHLAND DISTRIBUTION	CORRACTS, RCRA-TSDF, RCRA-SQG, US FIN ASSUR, 2020 COR ACTION, RAATS, NY MANIFEST, PA MANIFEST
RENSSELAER WYCK TARGET RANGE	NY SHWS
NM - RENSSELAER MGP	NY SHWS, NY VCP
CHEVRON FORMER ASPHALT FACILITY	NY SHWS
NM - TROY WATER ST. MGP	NY SHWS
RESSELAER CO. SD SLUDGE MONOFILL	NY SWF/LF
NM - AREA 4 WATER ST. - TROY MGP	NY SWF/LF
RENS CO PUMP STA FORBES AVE	NY Spills

OVERVIEW MAP - 6490375.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 20 Forbes Ave	CLIENT: Alpine Environmental Services
ADDRESS: 20 Forbes Ave Rensselaer NY 12144	CONTACT: Denise Salisbury
LAT/LONG: 42.659171 / 73.732749	INQUIRY #: 6490375.2s DATE: May 12, 2021 11:16 am

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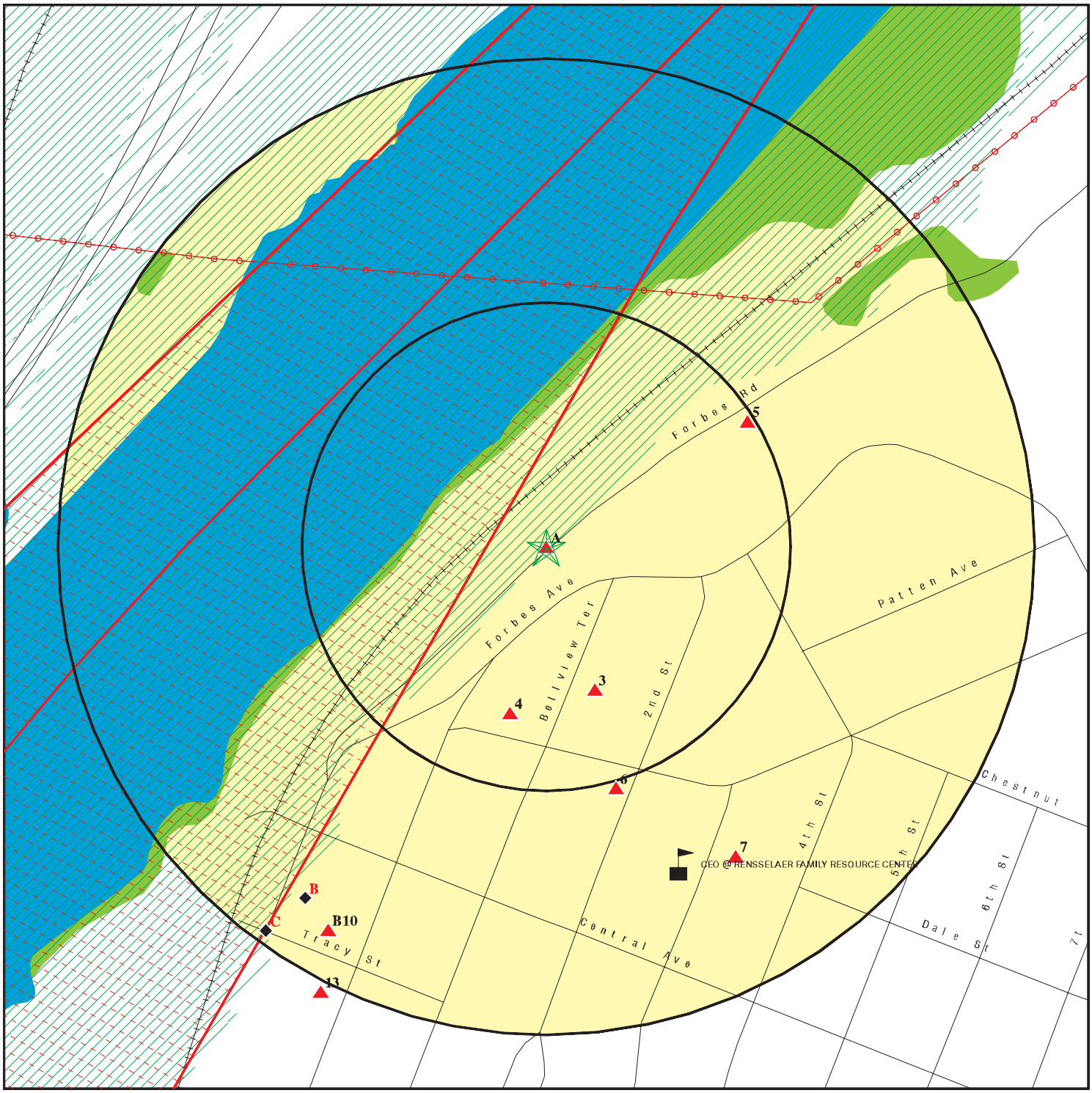
DETAIL MAP - 6490375.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 20 Forbes Ave	CLIENT: Alpine Environmental Services
ADDRESS: 20 Forbes Ave Rensselaer NY 12144	CONTACT: Denise Salisbury
LAT/LONG: 42.659171 / 73.732749	INQUIRY #: 6490375.2s DATE: May 12, 2021 11:16 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		1	0	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		1	0	0	NR	NR	1
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	1	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250	1	0	0	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		1	0	0	NR	NR	1
US INST CONTROLS	0.500		1	0	0	NR	NR	1
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	0	2	NR	2
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
INDIAN LUST	0.500		0	0	0	NR	NR	0
NY LTANKS	0.500		0	0	3	NR	NR	3
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY UST	0.250		0	3	NR	NR	NR	3
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
NY MOSF	0.500		0	1	0	NR	NR	1
NY AST	0.250		0	1	NR	NR	NR	1
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
NY TANKS	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY RES DECL	0.125		0	NR	NR	NR	NR	0
NY ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY BROWNFIELDS	0.500		0	0	0	NR	NR	0
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	2	3	NR	NR	5
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWRCY	0.500		0	0	1	NR	NR	1
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
NY PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	0	NR	NR	NR	0
NY HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
NY LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125	1	3	NR	NR	NR	NR	4
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	2	0	NR	2
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		1	0	0	0	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		1	0	0	0	NR	1
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	1	NR	1
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
ECHO	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NY E DESIGNATION	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY MANIFEST	0.250		0	1	NR	NR	NR	1
NJ MANIFEST	0.250		0	0	NR	NR	NR	0
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY VAPOR REOPENED	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NY COOLING TOWERS	TP		NR	NR	NR	NR	NR	0
NY LEAD	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	TP		NR	NR	NR	NR	NR	0
NY RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		4	11	9	9	5	0	38

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **HILTON CENTER** **RCRA-SQG** **1016169722**
Target **20 FORBES AVE BLDG 1** **FINDS** **NYR000201921**
Property **RENSSELAER, NY 12144** **ECHO**

Site 1 of 2 in cluster A

Actual: **31 ft.**

RCRA-SQG:

Date Form Received by Agency:		2013-08-27 00:00:00.0
Handler Name:	HILTON CENTER	
Handler Address:		20 FORBES AVE BLDG 1
Handler City,State,Zip:		RENSSELAER, NY 12144
EPA ID:		NYR000201921
Contact Name:		JEAN E FRANCOIS
Contact Address:		FORBES AVE BLDG 1
Contact City,State,Zip:		RENSSELAER, NY 12144
Contact Telephone:		518-436-0820
Contact Fax:		Not reported
Contact Email:		J-FRANCOIS@NYCAP.RR.COM
Contact Title:		EXECUTIVE DIRECTOR
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R4
Mailing Address:		FORBES AVE BLDG 1
Mailing City,State,Zip:		RENSSELAER, NY 12144
Owner Name:		HILTON MANAGEMENT LLC
Owner Type:		Private
Operator Name:		HILTON MANAGEMENT LLC
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

HILTON CENTER (Continued) **1016169722**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-05-21 10:48:18.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HILTON MANAGEMENT LLC
Legal Status:	Private
Date Became Current:	2001-05-25 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

HILTON CENTER (Continued) **1016169722**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HILTON MANAGEMENT LLC
Legal Status: Private
Date Became Current: 1993-05-11 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2013-08-27 00:00:00.0
Handler Name: HILTON CENTER
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 53112
NAICS Description: LESSORS OF NONRESIDENTIAL BUILDINGS (EXCEPT MINIWAREHOUSES)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055945090

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HILTON CENTER (Continued) **1016169722**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016169722
Registry ID:	110055945090
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055945090
Name:	HILTON CENTER
Address:	20 FORBES AVE BLDG 1
City,State,Zip:	RENSSELAER, NY 12144

A2 Target Property **ARTHUR HILTON PROPERTY FORBES AVE** **NY Spills** **S113493200**
20 FORBES AVENUE **N/A**
RENSSELAER, NY

Site 2 of 2 in cluster A

Actual: 31 ft.

SPILLS:

Name:	ARTHUR HILTON PROPERTY FORBES AVE
Address:	20 FORBES AVENUE
City,State,Zip:	RENSSELAER, NY
Spill Number/Closed Date:	1300591 / 2016-06-14
Facility ID:	1300591
Facility Type:	ER
DER Facility ID:	436202
Site ID:	480924
DEC Region:	4
Spill Cause:	Housekeeping
Spill Class:	B2
SWIS:	4214
Spill Date:	2013-04-15
Investigator:	JDUTBERG
Referred To:	Not reported
Reported to Dept:	2013-04-18
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2013-04-18
Spill Record Last Update:	2016-06-14
Spiller Name:	Not reported
Spiller Company:	arthur hilton
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	DAN MOORE
DEC Memo:	"4/26/13 JDU on site with City of Rennselaer Code Enforement Personnel. Large area at north end of building that appears to be a dump site where debris has been buried. Large amounts of other debris and used tires inside the building. Pictures and info forwarded to solid waste. Several drums inside the building. Facility rep. claimed that they had hired a company out of syracuse to charactorize lable

ARTHUR HILTON PROPERTY FORBES AVE (Continued) **S113493200**

and dispose of drums. The majority of the drums had been labled a this point. Underground tank located on the south end of the buildings. Stuck the tank and found aproximately 2' of product in the tank. Product resembled and appears to be heating oil. Large vaults under builing appear to be designed for water flow under the building. It is believed that the vaults discharge to the hudson. Uncertain if floor drains throughout the building are tied into the vaults or where they discharge to. Structure of the building is coated with what might be an asbestos material. Unidentified material is flaking off the building and piling up on the floors throughout. E-mail recieved from Will O'leary who is City of Rens. Code enforcement. What appears to be another underground and a waste oil tank and burner were found on site. Pictures were attached and in edocs. Searched PBS records and the facility has never been registered. 5/15/13 E-mail sent to Will O'leary to try to get site access so that the oil tanks could be observed to determine if PBS registration was needed. Solid waste was also going to accompany us to the site. Site access was not granted. JDU 6/14/16 No further complaints from Code enforcement or other agencies. No evidence of any petroleum impacts to the environment or any other spills. Closed. JDU"

Remarks: "The City obtained court ordered access to inspect this site for code violations. During their inspection, several leaking 55 gallon drums were observed. The City would like the DEC to provide guidance on how to handle these drums."

All Materials:

Site ID:	480924
Operable Unit ID:	1230707
Operable Unit:	01
Material ID:	2229398
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

NPL **HUDSON RIVER PCBS** **NPL 1000384273**
Region **NO STREET APPLICABLE** **SEMS NYD980763841**
WNW **HUDSON RIVER, NY 12871** **RCRA-LQG**
< 1/8 **US ENG CONTROLS**
140 ft. **US INST CONTROLS**
NY Spills
ROD
PRP
CONSENT

NPL:

EPA Region:	2
EPA ID:	NYD980763841
Site ID:	202229
Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
City,State,Zip:	HUDSON RIVER, NY 12871

HUDSON RIVER PCBS (Continued) **1000384273**

Federal: N
Final Date: 1984-09-21 00:00:00
Latitude: 43.1102
Longitude: -73.5765
Site Score: 54.659999999999997

NPL:
NPL Status: Currently on the Final NPL
Substance ID: Not reported
CAS Number: Not reported
Substance: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: A046
CAS Number: 1336-36-3
Substance: POLYCHLORINATED BIPHENYLS
Pathway: AIR PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: A046
CAS Number: 1336-36-3
Substance: POLYCHLORINATED BIPHENYLS
Pathway: SURFACE WATER PATHWAY
Scoring: 4

Summary Details:

Conditions at listing September 1983): The Hudson River PCBs Site is a 40-mile stretch of the Hudson River between Mechanicville and Fort Edward, New York. General Electric Co. discharged an estimated l.l million pounds of PCBs into this stretch of river. The State has identified 40 hot spots, defined as sediments contaminated with greater than 50 parts per million ppm) of PCBs. Also included in the site are five remnant areas, which are river sediments exposed when thelevel of the river was lowered due to removal of the Fort Edward Dam. The State has taken initial measures to stabili e the remnant areas from erosion. In September 1980, Congress passed an amendment to the Clean Water Act CWA) that included the Hudson River PCB Reclamation Demonstration Project. Under this legislation, the EPA Administrator could authori e a 75 percent grant, not to exceed 20 million. EPA issued a final Environmental Impact Statement in October 1982 evaluating various dredging alternatives for a demonstration project. EPA has prepared a feasibility study to evaluate alternative remedial actions under CERCLA. The Administrator has determined that CERCLA funds may be used for remedial action atthe remnant areas and for evaluating the effectiveness of the water supply system at Waterford, New York. Status June 1984): EPA has completed a draft feasibility study identifying alternatives for remedial action. A search for partiespotentially responsible for wastes associated with the site has been completed, and EPA has sent letters to two potentially responsible parties notifying them of possible legal action under CERCLA.

NPL:
NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-<= 10 Feet
Category Value: 0

HUDSON RIVER PCBS (Continued) **1000384273**

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

NPL:
NPL Name: HUDSON RIVER PCBS

NPL:
EPA Region: 02
Site ID: 0202229
Site Status: F
Federal Site: N
Date Deleted: Not reported
Date Finalized: 09/21/84
Date Proposed: 09/08/83

NPL:
Proposed Date: 09/08/1983
Final Date: 09/21/1984
Deleted Date: Not reported
NPL Status: Final

SEMS:
Site ID: 0202229
EPA ID: NYD980763841
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
Address 2: Not reported
City,State,Zip: HUDSON RIVER, NY 12871-2834
Cong District: 21
FIPS Code: 36115
Latitude: +43.110200
Longitude: -073.576500
FF: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:
Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1983-09-01 04:00:00
Finish Date: 9/1/1983 4:00:00 AM
Qual: L
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229

HUDSON RIVER PCBS (Continued) **1000384273**

EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	01
Action Code:	RD
Action Name:	RD
SEQ:	2
Start Date:	1989-02-02 05:00:00
Finish Date:	6/5/1989 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	01
Action Code:	CO
Action Name:	RI/FS
SEQ:	1
Start Date:	1984-03-30 06:00:00
Finish Date:	9/25/1984 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	03
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	2
Start Date:	1992-11-19 05:00:00
Finish Date:	12/1/1992 5:00:00 AM
Qual:	S
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	2
Start Date:	2002-03-25 05:00:00
Finish Date:	11/2/2006 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

HUDSON RIVER PCBS (Continued) **1000384273**

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	1983-09-08 04:00:00
Finish Date:	9/8/1983 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	3
Start Date:	2005-11-07 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	TG
Action Name:	TA GRANT
SEQ:	1
Start Date:	1995-09-29 04:00:00
Finish Date:	9/20/2005 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	03
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	1999-10-06 04:00:00
Finish Date:	9/14/2001 4:00:00 AM

HUDSON RIVER PCBS (Continued) **1000384273**

Qual:	S
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	SS
Action Name:	ESI RI
SEQ:	1
Start Date:	2002-06-30 04:00:00
Finish Date:	8/31/2005 4:00:00 AM
Qual:	W
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	1
Start Date:	2012-06-01 05:00:00
Finish Date:	6/1/2012 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	2
Start Date:	2000-03-28 05:00:00
Finish Date:	Not reported
Qual:	V
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	03
Action Code:	RS
Action Name:	RV ASSESS

HUDSON RIVER PCBS (Continued) **1000384273**

SEQ: 4
Start Date: 1998-10-14 04:00:00
Finish Date: 1/7/1999 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: RA
Action Name: RA
SEQ: 3
Start Date: 2008-12-04 05:00:00
Finish Date: 12/23/2009 5:00:00 AM
Qual: FR
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1983-08-01 04:00:00
Finish Date: 9/1/1983 4:00:00 AM
Qual: H
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: MA
Action Name: ST COOP
SEQ: 2
Start Date: 1991-02-22 05:00:00
Finish Date: 4/3/2007 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N

HUDSON RIVER PCBS (Continued) **1000384273**

OU:	02
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1992-04-24 04:00:00
Finish Date:	Not reported
Qual:	E
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	CO
Action Name:	RI/FS
SEQ:	2
Start Date:	1990-07-25 04:00:00
Finish Date:	2/1/2002 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	1984-09-21 05:00:00
Finish Date:	9/21/1984 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	1990-04-17 04:00:00
Finish Date:	8/21/1990 4:00:00 AM
Qual:	S
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841

HUDSON RIVER PCBS (Continued) **1000384273**

Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	1984-09-25 05:00:00
Finish Date:	9/25/1984 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	RO
Action Name:	ROD
SEQ:	2
Start Date:	2002-02-01 05:00:00
Finish Date:	2/1/2002 5:00:00 AM
Qual:	R
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	1
Start Date:	1991-09-30 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	03
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	3
Start Date:	1998-06-03 04:00:00
Finish Date:	6/24/1999 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

HUDSON RIVER PCBS (Continued) **1000384273**

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1983-07-01 04:00:00
Finish Date:	7/1/1983 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	RA
Action Name:	RA
SEQ:	2
Start Date:	2008-05-09 04:00:00
Finish Date:	11/24/2009 5:00:00 AM
Qual:	FR
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	2
Start Date:	2016-03-29 05:00:00
Finish Date:	4/11/2019 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	01
Action Code:	BE
Action Name:	PRP RD
SEQ:	2
Start Date:	1989-09-27 04:00:00
Finish Date:	9/28/1990 4:00:00 AM

HUDSON RIVER PCBS (Continued) **1000384273**

Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: EL
Action Name: PRP CR
SEQ: 1
Start Date: 1989-07-07 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: BE
Action Name: PRP RD
SEQ: 4
Start Date: 2003-08-14 04:00:00
Finish Date: 1/25/2008 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: BE
Action Name: PRP RD
SEQ: 3
Start Date: 2002-07-23 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: BF
Action Name: PRP RA

HUDSON RIVER PCBS (Continued) **1000384273**

SEQ: 3
Start Date: 2005-09-06 04:00:00
Finish Date: 9/4/2012 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: BE
Action Name: PRP RD
SEQ: 6
Start Date: 2003-08-14 04:00:00
Finish Date: 4/26/2011 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 04
Action Code: BB
Action Name: PRP RV
SEQ: 1
Start Date: 2007-09-11 04:00:00
Finish Date: 4/10/2012 4:00:00 AM
Qual: S
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: PJ
Action Name: RP EM REM
SEQ: 1
Start Date: 2007-08-24 04:00:00
Finish Date: 8/27/2007 4:00:00 AM
Qual: C
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N

HUDSON RIVER PCBS (Continued) **1000384273**

OU:	01
Action Code:	BE
Action Name:	PRP RD
SEQ:	1
Start Date:	1989-05-18 04:00:00
Finish Date:	1/7/1991 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	01
Action Code:	BF
Action Name:	PRP RA
SEQ:	1
Start Date:	1989-10-13 04:00:00
Finish Date:	9/29/1992 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	01
Action Code:	BF
Action Name:	PRP RA
SEQ:	2
Start Date:	1990-09-28 04:00:00
Finish Date:	9/29/1992 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	BF
Action Name:	PRP RA
SEQ:	4
Start Date:	2010-12-31 05:00:00
Finish Date:	4/11/2019 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841

HUDSON RIVER PCBS (Continued) **1000384273**

Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	OM
Action Name:	OM
SEQ:	1
Start Date:	2019-04-11 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	04
Action Code:	BD
Action Name:	PRP RI/FS
SEQ:	1
Start Date:	2008-09-08 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	01
Action Code:	RD
Action Name:	RD
SEQ:	1
Start Date:	1984-09-28 05:00:00
Finish Date:	5/18/1990 4:00:00 AM
Qual:	Not reported
Current Action Lead:	St Perf

RCRA-LQG:

Date Form Received by Agency:	2018-02-15 00:00:00.0
Handler Name:	GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Handler Address:	446 LOCK 8 WAY
Handler City,State,Zip:	HUDSON FALLS, NY 12839
EPA ID:	NYD980763841
Contact Name:	ROBERT G GIBSON
Contact Address:	RIVER ROAD
Contact City,State,Zip:	SCHENECTADY, NY 12345
Contact Telephone:	518-388-7505
Contact Fax:	Not reported
Contact Email:	BOB.GIBSON@GE.COM
Contact Title:	SENIOR PROJECT MANAGER

HUDSON RIVER PCBS (Continued) **1000384273**

EPA Region:	02
Land Type:	Other
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R5
Mailing Address:	RIVER ROAD
Mailing City,State,Zip:	SCHENECTADY, NY 12345
Owner Name:	SEE COMMENTS IN SECTION 18
Owner Type:	Other
Operator Name:	GENERAL ELECTRIC COMPANY
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-11-06 18:35:53.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	Not reported

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SEE COMMENTS IN SECTION 18
Legal Status:	Other
Date Became Current:	2007-02-04 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	446 LOCK WAY
Owner/Operator City,State,Zip:	HUDSON FALLS, NY 12839
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CANADIAN PACIFIC RR
Legal Status:	Private
Date Became Current:	2007-04-23 00:00:00.
Date Ended Current:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Owner/Operator Address:	9TH AVE SW
Owner/Operator City,State,Zip:	CALGARY T2P 4Z4
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	GE HUDSON RIVER SEDIMENT REMEDIATION
Legal Status:	Private
Date Became Current:	2007-04-23 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	381 BROADWAY
Owner/Operator City,State,Zip:	FORT EDWARD, NY 12828
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CANADIAN PACIFIC RAILROAD
Legal Status:	Private
Date Became Current:	2007-05-02 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	401 9TH AVE SW
Owner/Operator City,State,Zip:	CALGARY, AB T2P4Z4
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENERAL ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	2007-04-23 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1 RIVER ROAD
Owner/Operator City,State,Zip:	SCHENECTADY, NY 12345
Owner/Operator Telephone:	518-388-7505
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	USEPA
Legal Status:	Federal
Date Became Current:	2008-06-04 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENERAL ELECTRIC COMPANY

HUDSON RIVER PCBS (Continued) **1000384273**

Legal Status:	Private
Date Became Current:	2007-04-23 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	9TH AVE SW
Owner/Operator City,State,Zip:	CALGARY T2P 4Z4
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENERAL ELECTRIC CO
Legal Status:	Private
Date Became Current:	2007-04-02 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENERAL ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	2007-04-23 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	WCC LLC
Legal Status:	Private
Date Became Current:	2007-04-02 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	67 WILLOW GLEN
Owner/Operator City,State,Zip:	MECHANICVILLE, NY 12188
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SEE SECTION 11 COMMENTS
Legal Status:	State
Date Became Current:	2007-05-02 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	NY
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GE HUDSON RIVER SEDIMENT REMEDIATION
Legal Status:	Private
Date Became Current:	2007-04-23 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	381 BROADWAY
Owner/Operator City,State,Zip:	FORT EDWARD, NY 12828
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2010-03-03 00:00:00.0
Handler Name:	GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2012-03-01 00:00:00.0
Handler Name:	GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2014-03-03 00:00:00.0
Handler Name:	GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2018-02-15 00:00:00.0
Handler Name:	GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION

HUDSON RIVER PCBS (Continued) **1000384273**

FACILITY

Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 2006-01-01 00:00:00.0
Handler Name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-01-01 00:00:00.0
Handler Name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2008-08-29 00:00:00.0
Handler Name: HUDSON RIVER PCBS (ROGERS ISLAND) SUPERFUND USEPA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2001-01-01 00:00:00.0
Handler Name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

HUDSON RIVER PCBS (Continued) **1000384273**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

SIte:

Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
Address 2:	Not reported
City,State,Zip:	HUDSON RIVER, NY 12871-2834
Event Code:	Not reported
Action Taken Date:	02/01/2002
EPA ID:	NYD980763841
Action Name:	Record of Decision
Action ID:	2
Operable Unit:	02
Contaminated Media:	Sediment
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

Media:

EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	09/25/1984
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1984
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200

HUDSON RIVER PCBS (Continued) **1000384273**

Longitude:	-073.576500
EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	09/25/1984
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1984
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500
EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	09/25/1984
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1984
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500
EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	09/25/1984
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1984
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500
EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02

HUDSON RIVER PCBS (Continued) **1000384273**

Action Name:	Record of Decision
Action Taken Date:	02/01/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/01/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/01/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

EPA ID:	NYD980763841
Contaminated Media:	Surface Water
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/01/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

EPA ID:	NYD980763841
Contaminated Media:	Surface Water
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/01/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/01/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

US INST CONTROLS:

Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
Address 2:	Not reported
City,State,Zip:	HUDSON RIVER, NY 12871-2834
EPA ID:	NYD980763841
Action Name:	Record of Decision
Action ID:	2
Operable Unit:	02
Actual Date:	02/01/2002
Contaminated Media:	Surface Water
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

SPILLS:

Name:	HUDSON RIVER
Address:	HUDSON RIVER
City,State,Zip:	OSSINING, NY
Spill Number/Closed Date:	0308107 / 2003-10-31
Facility ID:	0308107
Facility Type:	ER
DER Facility ID:	278391
Site ID:	237813
DEC Region:	3
Spill Cause:	Abandoned Drums
Spill Class:	D4
SWIS:	6000
Spill Date:	2003-10-31
Investigator:	rxamato
Referred To:	Not reported
Reported to Dept:	2003-10-31
CID:	297
Water Affected:	HUDSON RIVER
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-10-31
Spill Record Last Update:	2003-11-06
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	PETTY OFFFICER HAWKINS
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SMITH 10/31/03: MEG hired by USCG to remove test and dispose. Container did not leak."
Remarks:	"CALL TO NRC REPORTING A 55 GALLON DRUM OF UNKNOWN PETROLEUM FLOATING - USCG IS REPOSNDING TO THE SITE"

All Materials:

Site ID:	237813
Operable Unit ID:	874400
Operable Unit:	01
Material ID:	501630
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	55.00

HUDSON RIVER PCBS (Continued) **1000384273**

Units: G
Recovered: .00
Oxygenate: Not reported

ROD:
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12871
EPA ID: NYD980763841
RG: 2
Site ID: 202229
Action: GOVT Decision Document (ROD)
Operable Unit Number: REMNANT DEPOSIT CAPPING
SEQ ID: 1
Action Completion: 1984-09-25 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12871
EPA ID: NYD980763841
RG: 2
Site ID: 202229
Action: GOVT Decision Document (ROD)
Operable Unit Number: REASSESSMENT RIVER
SEQ ID: 2
Action Completion: 2002-02-01 00:00:00
NPL Status: Final
Non NPL Status: Not reported

PRP:
PRP Name: DELAWARE AND HUDSON RAILWAY CO INC
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GOLUB PROPERTIES OF WATERVLIET INC
NEW YORK STATE CANAL CORPORATION
NIAGARA MOHAWK POWER COMPANY
TOWN OF HALFMOON NEW YORK
VILLAGE OF STILLWATER
WATER COMMISSIONERS OF THE TOWN OF WATERFORD

CONSENT:
EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270

HUDSON RIVER PCBS (Continued) **1000384273**

District: New York, North
Entered Date: 11/02/06
Name: HUDSON RIVER PCBS
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Name: HUDSON RIVER PCBS
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Name: HUDSON RIVER PCBS
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

EPA ID: NYD980763841
Site ID: Not reported
Case Title: Not reported
Court Num: Not reported
District: Not reported
Entered Date: Not reported
Name: US V. GENERAL ELECTRIC COMPANY
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Name: HUDSON RIVER PCBS
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

3
SSE
< 1/8
0.077 mi.
408 ft.

STEPHAN RES BELLVIEW TERR
50 BELLVIEW TERR
RENSSELAER, NY

NY Spills **S108129444**
N/A

Relative:
Higher

Actual:
90 ft.

SPILLS:

Name:	STEPHAN RES BELLVIEW TERR
Address:	50 BELLVIEW TERR
City,State,Zip:	RENSSELAER, NY
Spill Number/Closed Date:	0604935 / 2006-08-02
Facility ID:	0604935
Facility Type:	ER
DER Facility ID:	317983
Site ID:	368021
DEC Region:	4
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	4214
Spill Date:	2006-07-31
Investigator:	weblain
Referred To:	Not reported
Reported to Dept:	2006-07-31
CID:	409
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2006-07-31
Spill Record Last Update:	2007-03-20
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN] STEPHAN
Spiller Address:	UNKNOWN
Spiller Company:	999
Contact Name:	RICHARD STEPHAN
DEC Memo:	"blain telecon Stephan. Heat expansion caused oil to expand out of fillpipe. Checked for water in tank. Found none."
Remarks:	"CLEAN UP IN PROCESS. UNDERGROUND TANK THAT IS LEAKING AND THE OIL GOT INTO THE GARDENS."

All Materials:

Site ID:	368021
Operable Unit ID:	1125913
Operable Unit:	01
Material ID:	2115438
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

4
SSW
< 1/8
0.087 mi.
460 ft.

AUSTIN GARAGE
0 WASHINGTON AVE
RENSSELAER, NY

EDR Hist Auto **1014930753**
N/A

Relative:
Higher

Actual:
66 ft.

EDR Hist Auto

Year:	Name:	Type:
1960	AUSTIN GARAGE	AUTOMOBILE GARAGES

5
ENE
< 1/8
0.121 mi.
641 ft.

HILTON INDUSTRIAL PARK FORBES AVE
FORBES AVE
RENSSELAER, NY

NY Spills **S109206307**
N/A

Relative:
Higher

Actual:
40 ft.

SPILLS:

Name:	HILTON INDUSTRIAL PARK FORBES AVE
Address:	FORBES AVE
City,State,Zip:	RENSSELAER, NY
Spill Number/Closed Date:	0804418 / 2008-07-18
Facility ID:	0804418
Facility Type:	ER
DER Facility ID:	350574
Site ID:	401326
DEC Region:	4
Spill Cause:	Deliberate
Spill Class:	B5
SWIS:	4214
Spill Date:	2008-07-17
Investigator:	WEBLAIN
Referred To:	Not reported
Reported to Dept:	2008-07-17
CID:	406
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-07-17
Spill Record Last Update:	2014-07-11
Spiller Name:	BRUCE MALACHUK
Spiller Company:	HILTON INDUSTRIAL PARK (OLD JELLIFF FACILITY)
Spiller Address:	BLDG. 6 RM. 4
Spiller Company:	999
Contact Name:	BRUCE MALACHUK
DEC Memo:	"referred to Solid Waste. closed (PBS 4-443514; 8202013, 8602120, 8701013, 8806485, 9516418, 9901711, 0804418, 1300591)"
Remarks:	"Asbestos piping running throughout the building. Caller says Bruce Malachuk disposes of asbestos not according to code. Caller would like DEC to go to the location to investigate as soon as possible. William Mgloughlin cell 858-1898 or Dan Morre Building and Zoning administrator cell 788-5903"

All Materials:

HILTON INDUSTRIAL PARK FORBES AVE (Continued) **S109206307**

Site ID:	401326
Operable Unit ID:	1158118
Operable Unit:	01
Material ID:	2149172
Material Code:	0026A
Material Name:	asbestos
Case No.:	01332214
Material FA:	Hazardous Material
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

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6 **38 WASHINGTON AVENUE** **US BROWNFIELDS** **1016951901**
SSE **38 WASHINGTON AVENUE** **N/A**
1/8-1/4 **RENSSELAER, NY 12144**
0.129 mi.
679 ft.

Relative: **Higher**

Actual: **109 ft.**

US BROWNFIELDS:

Name:	38 WASHINGTON AVENUE
Address:	38 WASHINGTON AVENUE
City,State,Zip:	RENSSELAER, NY 12144
Recipient Name:	Rensselaer, City of
Grant Type:	Assessment
Property Number:	133.78-1-5
Parcel size:	.05
Latitude:	42.657359
Longitude:	-73.73205899999999
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	176783
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	7000
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97249407
Start Date:	07/01/2014
Ownership Entity:	-
Completion Date:	09/29/2014

38 WASHINGTON AVENUE (Continued) **1016951901**

Current Owner:	-
Did Owner Change:	-
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-

38 WASHINGTON AVENUE (Continued) **1016951901**

Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Residential property
Below Poverty Number:	424
Below Poverty Percent:	16.03
Meidan Income:	34098
Meidan Income Number:	1030
Meidan Income Percent:	38.94
Vacant Housing Number:	111
Vacant Housing Percent:	8.83
Unemployed Number:	100
Unemployed Percent:	3.78

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7 **THIRD STREET CITGO** **NY UST** **U001845112**
SSE **1647 A 3RD ST** **N/A**
1/8-1/4 **RENSSELAER, NY 12144**
0.186 mi.
981 ft.

Relative: **Higher**

Actual: **136 ft.**

UST:

Name:	THIRD STREET CITGO
Address:	1647 A 3RD ST
City,State,Zip:	RENSSELAER, NY 12144
Id/Status:	4-087351 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	4
Expiration Date:	N/A

THIRD STREET CITGO (Continued) **U001845112**

UTM X: 603994.09545
UTM Y: 4723461.29155
Site Type: Unknown

Affiliation Records:

Site Id: 35565
Affiliation Type: Facility Owner
Company Name: GEORGE T GRAY
Contact Type: Not reported
Contact Name: Not reported
Address1: RD 1 BOX 299B
Address2: Not reported
City: RENSSELAER
State: NY
Zip Code: 12144
Country Code: 001
Phone: (518) 286-3367
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 35565
Affiliation Type: Mail Contact
Company Name: GEORGE T GRAY
Contact Type: Not reported
Contact Name: Not reported
Address1: RD 1 BOX 299B
Address2: Not reported
City: RENSSELAER
State: NY
Zip Code: 12144
Country Code: 001
Phone: (518) 286-3367
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 35565
Affiliation Type: Facility Operator
Company Name: THIRD STREET CITGO
Contact Type: Not reported
Contact Name: GEORGE T GRAY
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (518) 286-3367
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 35565
Affiliation Type: Emergency Contact

THIRD STREET CITGO (Continued) **U001845112**

Company Name:	GEORGE T GRAY
Contact Type:	Not reported
Contact Name:	DAVID GRAY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 463-5320
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	001
Tank ID:	92840
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	2000
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number:	002
Tank ID:	92841
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True

THIRD STREET CITGO (Continued) **U001845112**

Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

B8 **JELLIFF CORP.** **NY UST** **U003076354**
SW **5 FORBES RD** **NY AST** **N/A**
1/8-1/4 **RENSSELAER, NY 12144**
0.218 mi.
1151 ft. **Site 1 of 3 in cluster B**

Relative:
Lower

Actual:
27 ft.

UST:

Name:	JELLIFF CORP.
Address:	5 FORBES RD
City,State,Zip:	RENSSELAER, NY 12144
Id/Status:	4-443514 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	4
Expiration Date:	N/A
UTM X:	603659.72226
UTM Y:	4723448.28133
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	36973
Affiliation Type:	Facility Owner
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	354 PEQUOT AVE.
Address2:	Not reported
City:	SOUTHPORT
State:	CT
Zip Code:	06490
Country Code:	001
Phone:	(518) 449-7090
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

JELLIFF CORP. (Continued) **U003076354**

Site Id:	36973
Affiliation Type:	Mail Contact
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	MR. R.M. KELLY-PRESIDENT
Address1:	354 PEQUOT AVE.
Address2:	P.O. BOX 758
City:	SOUTHPORT
State:	CT
Zip Code:	06490
Country Code:	001
Phone:	(203) 259-1615
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	36973
Affiliation Type:	Facility Operator
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	JELLIFF CORP.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 449-7090
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	36973
Affiliation Type:	Emergency Contact
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	JOHN LEWIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 477-2337
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	1
Tank ID:	91493
Tank Status:	In Service
Material Name:	In Service

JELLIFF CORP. (Continued) **U003076354**

Capacity Gallons:	550
Install Date:	12/01/1979
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	10/11/2016
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D10 - Pipe Type - Copper
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

AST:

Name:	JELLIFF CORP.
Address:	5 FORBES RD
City,State,Zip:	RENSSELAER, NY 12144
Region:	STATE
DEC Region:	4
Site Status:	Unregulated/Closed
Facility Id:	4-443514
Program Type:	PBS
UTM X:	603659.72226
UTM Y:	4723448.28133
Expiration Date:	N/A
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	36973
Affiliation Type:	Facility Owner
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	354 PEQUOT AVE.
Address2:	Not reported
City:	SOUTHPORT
State:	CT
Zip Code:	06490
Country Code:	001
Phone:	(518) 449-7090
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT

JELLIFF CORP. (Continued) **U003076354**

Date Last Modified:	2004-03-04
Site Id:	36973
Affiliation Type:	Mail Contact
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	MR. R.M. KELLY-PRESIDENT
Address1:	354 PEQUOT AVE.
Address2:	P.O. BOX 758
City:	SOUTHPORT
State:	CT
Zip Code:	06490
Country Code:	001
Phone:	(203) 259-1615
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04
Site Id:	36973
Affiliation Type:	Facility Operator
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	JELLIFF CORP.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 449-7090
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04
Site Id:	36973
Affiliation Type:	Emergency Contact
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	JOHN LEWIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 477-2337
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	2
Tank Id:	91494

JELLIFF CORP. (Continued) **U003076354**

Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
D10 - Pipe Type - Copper
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Location: Partially buried tank (tank with 10% or more below ground).... Tank is less than 90% above grade, partially buried.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: 12/01/1982
Capacity Gallons: 1000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 09/01/1993
Register: True
Modified By: TRANSLAT
Last Modified: 04/14/2017
Material Name: #2 fuel oil (on-site consumption)

Tank Number: 3
Tank Id: 91495
Material Code: 9999
Common Name of Substance: Other

Equipment Records:
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None

Tank Location: Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - In Place
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 10000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 01/01/1993

JELLIFF CORP. (Continued) **U003076354**

Register: True
Modified By: TRANSLAT
Last Modified: 04/14/2017
Material Name: other

B9 **JELLIFF CORP** **NY Spills** **1000284881**
SW **5 FORBES RD** **RCRA NonGen / NLR** **NYD096932108**
1/8-1/4 **RENSSELAER, NY 12144** **FINDS**
0.218 mi. **ECHO**
1151 ft. **Site 2 of 3 in cluster B** **NY MANIFEST**

Relative: **Lower**
Actual: **27 ft.**

SPILLS:
Name: JELLIFF CORP HUDSON RIVER FORBES RD
Address: 5 FORBES RD HUDSON RIVER
City,State,Zip: RENSSELAER, NY
Spill Number/Closed Date: 8806485 / 1995-10-20
Facility ID: 8806485
Facility Type: ER
DER Facility ID: 188726
Site ID: 228893
DEC Region: 4
Spill Cause: Unknown
Spill Class: B2
SWIS: 4214
Spill Date: 1988-11-02
Investigator: ANGEISEN
Referred To: Not reported
Reported to Dept: 1988-11-02
CID: Not reported
Water Affected: HUDSON RIVER $
Spill Source: Commercial/Industrial
Spill Notifier: DEC
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: 1996-09-09
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1988-11-03
Spill Record Last Update: 2014-07-11
Spiller Name: Not reported
Spiller Company: THE C.O. JELLIFF CORP. (LATER HILTON IND PK)
Spiller Address: 5 FORBES RD
Spiller Company: 999
Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was GEISENDORFER SEE FILE (THICK FOLDER, Edocs). PBS 4-443514; 8202013, 8602120, 8701013, 8806485, 9516418, 9805964, 9901711, 0804418, 1300591. tHERE EXISTS AN OLD 10K TANK ONSITE. IT WAS USED TO HOLD COTTONSEED OIL, AND ERRONEOUSLY ID'D AS A PBS TANK. NO OIL HAS EXITED THROUGH THEIR SPDES DISCHARGE POINT FOR FIVE OR MORE YEARS. PBS TANKS REMOVED."
Remarks: "HYDRAULIC OIL ENTERING HUDSON R. MCDONALD SPOT CHECKED, FOUND OIL IN STORM SEWER NEXT TO JELLIFF CORP.(KET). DOMERMUTH CONTRACTOR."

All Materials:
Site ID: 228893
Operable Unit ID: 921639

JELLIFF CORP (Continued) **1000284881**

Operable Unit:	01
Material ID:	454822
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	300.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

RCRA NonGen / NLR:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name: JELLIFF CORP	
Handler Address:	5 FORBES RD
Handler City,State,Zip:	RENSSELAER, NY 12144-1619
EPA ID:	NYD096932108
Contact Name:	Not reported
Contact Address:	FORBES RD
Contact City,State,Zip:	RENSSELAER, NY 12144
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R4
Mailing Address:	FORBES RD
Mailing City,State,Zip:	RENSSELAER, NY 12144
Owner Name:	JELLIFF CORPORATION
Owner Type:	Municipal
Operator Name:	JELLIFF CORPORATION
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---

JELLIFF CORP (Continued) **1000284881**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JELLIFF CORPORATION
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

JELLIFF CORP (Continued) **1000284881**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JELLIFF CORPORATION
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JELLIFF CORPORATION
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1999-07-08 00:00:00.0
Handler Name: JELLIFF CORP	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2006-01-01 00:00:00.0
Handler Name: JELLIFF CORP	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2007-01-01 00:00:00.0
Handler Name: JELLIFF CORP	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

JELLIFF CORP (Continued) **1000284881**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1988-11-04 00:00:00.0
Handler Name: JELLIFF CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

JELLIFF CORP (Continued) **1000284881**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	1993-04-29 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

JELLIFF CORP (Continued) **1000284881**

Evaluation Date:	1994-10-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYCVR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110004376210

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000284881
Registry ID:	110004376210
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004376210
Name:	JELLIFF CORP
Address:	5 FORBES RD
City,State,Zip:	RENSSELAER, NY 12144

NY MANIFEST:

Name:	JELLIFF CORP
Address:	5 FORBES RD
City,State,Zip:	RENSSELAER, NY 12144-1619
Country:	USA
EPA ID:	NYD096932108
Facility Status:	Not reported
Location Address 1:	5 FORBES AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	RENSSELAER
Location State:	NY
Location Zip:	12144
Location Zip 4:	1619

JELLIFF CORP (Continued) **1000284881**

NY MANIFEST:

EPAID:	NYD096932108
Mailing Name:	JELLIFF CORP
Mailing Contact:	JOHN LEWIS
Mailing Address 1:	5 FORBES AVE
Mailing Address 2:	Not reported
Mailing City:	RENSSELAER
Mailing State:	NY
Mailing Zip:	12144
Mailing Zip 4:	1619
Mailing Country:	USA
Mailing Phone:	5184497091

NY MANIFEST:

Document ID:	VTA0055128
Manifest Status:	C
seq:	Not reported
Year:	1995
Trans1 State ID:	VT70A30
Trans2 State ID:	Not reported
Generator Ship Date:	12/14/1995
Trans1 Recv Date:	12/14/1995
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/15/1995
Part A Recv Date:	01/03/1996
Part B Recv Date:	01/04/1996
Generator EPA ID:	NYD096932108
Trans1 EPA ID:	VTD982766537
Trans2 EPA ID:	Not reported
TSDF ID 1:	VTD982766537
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F001 - UNKNOWN
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

B10 **9 TRACY ST** **US BROWNFIELDS** **1016447303**
SSW **9 TRACY ST** **FINDS** **N/A**
1/8-1/4 **RENSSELAER, NY 12144**
0.226 mi.
1192 ft. **Site 3 of 3 in cluster B**

Relative:
Higher

Actual:
33 ft.

US BROWNFIELDS:

Name:	9 TRACY ST
Address:	9 TRACY ST
City,State,Zip:	RENSSELAER, NY 12144
Recipient Name:	Rensselaer, City of
Grant Type:	Assessment
Property Number:	133.77-3-8
Parcel size:	.09
Latitude:	42.656324
Longitude:	-73.73494199999999
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	153983
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	3000
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97249507
Start Date:	05/11/2012
Ownership Entity:	-
Completion Date:	11/30/2012
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

9 TRACY ST (Continued) **1016447303**

Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-

9 TRACY ST (Continued) **1016447303**

Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	480
Below Poverty Percent:	16.6
Meidan Income:	33150
Meidan Income Number:	1170
Meidan Income Percent:	40.47
Vacant Housing Number:	109
Vacant Housing Percent:	8.24
Unemployed Number:	112
Unemployed Percent:	3.87

FINDS:
Registry ID: 110056252969

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C11 **FORBES AVE PUMP STATION** **NY UST** **U001844939**
SW **FORBES AVE** **N/A**
1/8-1/4 **RENSSELAER, NY 12144**
0.243 mi.
1285 ft. **Site 1 of 2 in cluster C**

Relative: **Lower**
Actual: **25 ft.**

UST:

Name:	FORBES AVE PUMP STATION
Address:	FORBES AVE
City,State,Zip:	RENSSELAER, NY 12144
Id/Status:	4-050245 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	4
Expiration Date:	11/14/2021
UTM X:	603634.95284
UTM Y:	4723426.15119
Site Type:	Other

FORBES AVE PUMP STATION (Continued) **U001844939**

Affiliation Records:

Site Id:	35207
Affiliation Type:	Emergency Contact
Company Name:	RENSSELAER COUNTY SEWER DIST 1
Contact Type:	Not reported
Contact Name:	OPERATIONS PERSONNEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(518) 283-4577
EMail:	Not reported
Fax Number:	Not reported
Modified By:	rjschowe
Date Last Modified:	2004-05-17

Site Id:	35207
Affiliation Type:	Facility Operator
Company Name:	FORBES AVE PUMP STATION
Contact Type:	Not reported
Contact Name:	RENSSELAER COUNTY SEWER DIST 1
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 283-4577
EMail:	Not reported
Fax Number:	Not reported
Modified By:	rjschowe
Date Last Modified:	2004-05-17

Site Id:	35207
Affiliation Type:	Facility Owner
Company Name:	RENSSELAER COUNTY SEWER DIST 1
Contact Type:	DIRECTOR OF OPERATIONS AND MAINTENANCE
Contact Name:	JASON WHEELER
Address1:	COUNTY OFFICE BLDG 1600 7TH AV
Address2:	Not reported
City:	TROY
State:	NY
Zip Code:	12180
Country Code:	001
Phone:	(518) 283-2235
EMail:	JWHEELER@RENSCO.COM
Fax Number:	Not reported
Modified By:	JDUTBERG
Date Last Modified:	2016-01-12

Site Id:	35207
Affiliation Type:	Mail Contact
Company Name:	RENSSELAER COUNTY SEWER DIST 1
Contact Type:	DIRECTOR OF OPERATIONS AND MAINTENANCE
Contact Name:	JASON WHEELER

FORBES AVE PUMP STATION (Continued) **U001844939**

Address1:	COUNTY OFFICE BLDG 1600 7TH AV
Address2:	Not reported
City:	TROY
State:	NY
Zip Code:	12180
Country Code:	001
Phone:	(518) 283-2235
EMail:	JWHEELER@RENSCO.COM
Fax Number:	Not reported
Modified By:	JDUTBERG
Date Last Modified:	2016-01-12

Tank Info:

Tank Number:	001
Tank ID:	97715
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	2000
Install Date:	08/01/1998
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DJWEHN
Last Modified:	04/14/2017

Equipment Records:

I02 - Overfill - High Level Alarm
L09 - Piping Leak Detection - Exempt Suction Piping
D08 - Pipe Type - Equivalent Technology
B04 - Tank External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I01 - Overfill - Float Vent Valve
F05 - Pipe External Protection - Jacketed
A99 - Tank Internal Protection - Other
J02 - Dispenser - Suction Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number:	1
Tank ID:	85511
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	3000
Install Date:	01/01/1976
Date Tank Closed:	08/01/1998
Registered:	True
Tank Location:	Underground

FORBES AVE PUMP STATION (Continued) **U001844939**

Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	03
Date Test:	06/01/1992
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

C12 **POLSINELLO TERMINAL INC.** **NY MOSF** **S108413501**
SW **FORBES & TRACY STREETS** **N/A**
1/8-1/4 **RENSSELAER, NY 12144**
0.244 mi.
1287 ft. **Site 2 of 2 in cluster C**

Relative: **Lower**
Actual: **25 ft.**

MOSF:

Name:	POLSINELLO TERMINAL INC.
Address:	FORBES & TRACY STREETS
City,State,Zip:	RENSSELAER, NY 12144
Facility ID:	4-1620
Program Type:	MOSF
Tank Status:	Inactive
Expiration Date:	Not reported
Dec Region:	4
UTMX:	603635.27003
UTMY:	4723425.34993

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13 **1523-1549 BROADWAY** **US BROWNFIELDS** **1016447302**
SSW **1523-1549 BROADWAY** **FINDS** **N/A**
1/4-1/2 **RENSSELAER, NY 12144**
0.255 mi.
1348 ft.

Relative: **Higher**
Actual: **38 ft.**

US BROWNFIELDS:

Name:	1523-1549 BROADWAY
Address:	1523-1549 BROADWAY
City,State,Zip:	RENSSELAER, NY 12144
Recipient Name:	Rensselaer, City of
Grant Type:	Assessment
Property Number:	133.77-9-2
Parcel size:	.42
Latitude:	42.6560376
Longitude:	-73.73467260000001
HCM Label:	Address Matching-House Number

1523-1549 BROADWAY (Continued) **1016447302**

Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	153982
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	3000
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97249507
Start Date:	05/11/2012
Ownership Entity:	Government
Completion Date:	11/30/2012
Current Owner:	City of Rensselaer
Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-

1523-1549 BROADWAY (Continued) **1016447302**

Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-

1523-1549 BROADWAY (Continued) **1016447302**

Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	512
Below Poverty Percent:	16.81
Meidan Income:	33150
Meidan Income Number:	1241
Meidan Income Percent:	40.74
Vacant Housing Number:	114
Vacant Housing Percent:	8.22
Unemployed Number:	119
Unemployed Percent:	3.91

FINDS:
Registry ID: 110056252950

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

14
West
1/4-1/2
0.384 mi.
2028 ft.

CHANDLER PLT **FUDS** **1024899229**
N/A

NO CITY, NY

Relative:
Lower

Actual:
9 ft.

FUDS:

EPA Region:	2
Installation ID:	NY29799F113900
Congressional District Number:	20
Name:	CHANDLER PLT
FUDS Number:	C02NY0598
City:	NO CITY
State:	NY
County:	ALBANY
Object ID:	6759
USACE Division:	NAD
USACE District:	New England District (NAE)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=57909
Eligibility:	Ineligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	Between 1945 and 1948, the Linde Air Products Company developed and produced non-radioactive material under contract for the U. S. Army Service Forces Manhattan Engineer District (MED), and the Atomic Energy Commission (AEC). Based on the FDE, the site The buildings and open property are currently utilized for the storage and dismantling of used mechanical equipment.
Project Required:	No
Feature Description:	Not reported

CHANDLER PLT (Continued) **1024899229**

X Coord:	-73.740295410000002
Y Coord:	42.658996582
Latitude:	42.65888889
Longitude:	-73.74027778

---

15 **ALBANY STO YARD** **FUDS** **1024899214**
West **N/A**
1/4-1/2 **ALBANY, NY**
0.416 mi.
2195 ft.

Relative: **Lower**
Actual: **14 ft.**

FUDS:

EPA Region:	2
Installation ID:	NY29799F112000
Congressional District Number:	20
Name:	ALBANY STO YARD
FUDS Number:	C02NY0578
City:	ALBANY
State:	NY
County:	ALBANY
Object ID:	3488
USACE Division:	NAD
USACE District:	New England District (NAE)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=59101
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	During Department of the Defense usage, the Department of the Army used a portion of the site as its regional office location for the U.S. Army Corps of Engineers. The remainder of the site was used as a dock.
Project Required:	No
Feature Description:	Not reported
X Coord:	-73.740783691000004
Y Coord:	42.660217285000002
Latitude:	42.659999999999997
Longitude:	-73.740833330000001

---

16 **THE HOLLOW** **US BROWNFIELDS** **1014903318**
SE **THIRD STREET** **N/A**
1/4-1/2 **RENSSELAER, NY 12144**
0.442 mi.
2333 ft.

Relative: **Higher**
Actual: **72 ft.**

US BROWNFIELDS:

Name:	THE HOLLOW
Address:	THIRD STREET
City,State,Zip:	RENSSELAER, NY 12144
Recipient Name:	Rensselaer, City of
Grant Type:	Assessment
Property Number:	144.22-4-1, 144.30-1-1, 133.71-9-11, 133.78-8-1
Parcel size:	60
Latitude:	42.65515

THE HOLLOW (Continued) **1014903318**

Longitude:	-73.726
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	The site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as The Hollow. The site consists of steep ridges on either side of the Quackenderry Creek valley and is mostly wooded land. The Quackenderry Creek is a tributary of the Hudson River, which is located approximately one-half mile west of the site. The site was part of what was known as Rensselaerwyck Manor, a large feudal landholding established by Kiliaen Van Rensselaer in 1629 (Fraser and Associates, 2009). An 11 acre section of the Site was used as the Rensselaerwyck Rifle Range from approximately 1894 to 1938. A concrete bunker in the former rifle range remains on the property. There are also remains of the former main guard shed on the site. The site is in a residential area of Rensselaer, and is owned by the City. Residents of the City sometimes use the site for bird watching. The Phase I ESA conducted at the site (Malcolm Pirnie [ARCADIS], 2011) identified evidence of recognized environmental conditions associated with the site as defined by the American Society for Testing and Materials (ASTM) Standard E 1527-05 guideline for Phase I ESAs. Recognized environmental conditions (RECs) identified in the Phase I ESA include: The use of the property as a small-arms firing range for almost 50 years; Newhall Chain and Forge and Iron Company, depicted on the corner of Seventh Street and Dale on the 1925, 1949, and 1967 Sanborn maps; W.J. La Grange, depicted on the 1925, 1949, and 1967 Sanborn maps appears to have been a machine shop with two garages that borders the southwestern edge of the site near Garden Place; The automobile repair shop that borders the western edge of the site at 1578 Fifth Street on the 1925, 1949 and 1967 Sanborn maps; and Solid waste along the western embankment of the site. Copper and lead exceeded Restricted Residential Use Standards in at least one surface or subsurface soil sample on the bunker hill. The Phase II ESA has sufficiently characterized the bunker hill to develop conceptual remedial alternatives. Based on the results of TCLP testing, soil in the bunker hill has been determined to be a characteristic hazardous waste due to lead (Waste Code D002).
Datum:	North American Datum of 1983
Acres Property ID:	132517
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	5500
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment

THE HOLLOW (Continued) **1014903318**

Accomplishment Count:	Y
Cooperative Agreement Number:	97249507
Start Date:	04/25/2011
Ownership Entity:	Government
Completion Date:	05/31/2011
Current Owner:	City of Rensselaer
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-

THE HOLLOW (Continued) **1014903318**

Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The Site is located in the northeastern portion of the City of Rensselaer City, Rensselaer County, New York. The western edge of the Site borders City streets from Fourth Street to Tenth Street. The Site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as the Hollow. The Site consists of steep ridges on either side of the Quackenderry Creek valley and is mostly wooded land. The Quackenderry Creek is a tributary of the Hudson River, which is located approximately one-half mile west of the Site. The Site was part of what was known as Rensselaerwyck Manor, a large feudal landholding established by Kiliaen Van Rensselaer in 1629 Fraser and Associates 2009. An 11 acre section of the Site was used as the Rensselaerwyck Rifle Range from approximately 1894 to 1938. A concrete bunker in the former rifle range remains on the property. There are also remains of the former main guard shed on the Site. There is graffiti on the concrete bunker. The Site is in a residential area of Rensselaer, and is owned by the City. Residents of the City sometimes use the Site for bird watching.
Below Poverty Number:	326
Below Poverty Percent:	14.82
Meidan Income:	21602

THE HOLLOW (Continued) **1014903318**

Meidan Income Number:	820
Meidan Income Percent:	37.27
Vacant Housing Number:	98
Vacant Housing Percent:	9.06
Unemployed Number:	81
Unemployed Percent:	3.68
Name:	THE HOLLOW
Address:	THIRD STREET
City,State,Zip:	RENSSELAER, NY 12144
Recipient Name:	Rensselaer, City of
Grant Type:	Assessment
Property Number:	144.22-4-1, 144.30-1-1, 133.71-9-11, 133.78-8-1
Parcel size:	60
Latitude:	42.65515
Longitude:	-73.726
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	The site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as The Hollow. The site consists of steep ridges on either side of the Quackenderry Creek valley and is mostly wooded land. The Quackenderry Creek is a tributary of the Hudson River, which is located approximately one-half mile west of the site. The site was part of what was known as Rensselaerwyck Manor, a large feudal landholding established by Kiliaen Van Rensselaer in 1629 (Fraser and Associates, 2009). An 11 acre section of the Site was used as the Rensselaerwyck Rifle Range from approximately 1894 to 1938. A concrete bunker in the former rifle range remains on the property. There are also remains of the former main guard shed on the site. The site is in a residential area of Rensselaer, and is owned by the City. Residents of the City sometimes use the site for bird watching. The Phase I ESA conducted at the site (Malcolm Pirnie [ARCADIS], 2011) identified evidence of recognized environmental conditions associated with the site as defined by the American Society for Testing and Materials (ASTM) Standard E 1527-05 guideline for Phase I ESAs. Recognized environmental conditions (RECs) identified in the Phase I ESA include: The use of the property as a small-arms firing range for almost 50 years; Newhall Chain and Forge and Iron Company, depicted on the corner of Seventh Street and Dale on the 1925, 1949, and 1967 Sanborn maps; W.J. La Grange, depicted on the 1925, 1949, and 1967 Sanborn maps appears to have been a machine shop with two garages that borders the southwestern edge of the site near Garden Place; The automobile repair shop that borders the western edge of the site at 1578 Fifth Street on the 1925, 1949 and 1967 Sanborn maps; and Solid waste along the western embankment of the site. Copper and lead exceeded Restricted Residential Use Standards in at least one surface or subsurface soil sample on the bunker hill. The Phase II ESA has sufficiently characterized the bunker hill to develop conceptual remedial alternatives. Based on the results of TCLP testing, soil in the bunker hill has been determined to be a characteristic hazardous waste due to lead (Waste Code D002).
Datum:	North American Datum of 1983
Acres Property ID:	132517
IC Data Access:	-
Start Date:	-

THE HOLLOW (Continued) **1014903318**

Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	50000
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	97249507
Start Date:	02/01/2012
Ownership Entity:	Government
Completion Date:	12/21/2012
Current Owner:	City of Rensselaer
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-

THE HOLLOW (Continued) **1014903318**

Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The Site is located in the northeastern portion of the City of Rensselaer City, Rensselaer County, New York. The western edge of the Site borders City streets from Fourth Street to Tenth Street. The Site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as the Hollow. The

THE HOLLOW (Continued) **1014903318**

Site consists of steep ridges on either side of the Quackenderry Creek valley and is mostly wooded land. The Quackenderry Creek is a tributary of the Hudson River, which is located approximately one-half mile west of the Site. The Site was part of what was known as Rensselaerwyck Manor, a large feudal landholding established by Kiliaen Van Rensselaer in 1629 Fraser and Associates 2009. An 11 acre section of the Site was used as the Rensselaerwyck Rifle Range from approximately 1894 to 1938. A concrete bunker in the former rifle range remains on the property. There are also remains of the former main guard shed on the Site. There is graffiti on the concrete bunker. The Site is in a residential area of Rensselaer, and is owned by the City. Residents of the City sometimes use the Site for bird watching.

Below Poverty Number:	326
Below Poverty Percent:	14.82
Meidan Income:	21602
Meidan Income Number:	820
Meidan Income Percent:	37.27
Vacant Housing Number:	98
Vacant Housing Percent:	9.06
Unemployed Number:	81
Unemployed Percent:	3.68

17
West
1/4-1/2
0.457 mi.
2411 ft.

Relative:
Lower

Actual:
14 ft.

HUDSON METAL - MOMENT METAL LLC
11 N FERRY ST
ALBANY, NY 12207

NY SWRCY **1000384241**
NY Spills **NYD002616266**
RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST

SWRCY:

Name:	EMPIRE RECYCLING/MOMENTS METALS
Address:	11 NORTH FERRY STREET
City,State,Zip:	ALBANY, NY 12204
Region:	4
Facility Address 2:	Not reported
Phone Number:	5184653387
Owner Type:	Not reported
Owner Name:	Moments Metals SBA Hudson Metals Corp
Owner Address:	11 North Ferry Street
Owner Address 2:	Not reported
Owner City,St,Zip:	Albany, NY 12207
Owner Email:	tstackhm@aol.com
Owner Phone:	5184653387
Contact Name:	Tom Stack
Contact Address:	Not reported
Contact Address 2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	tstackhm@aol.com
Contact Phone:	5184653387
Activity Desc:	RHRF - exempt (non-VDF)
Activity Number:	[01M05]
Active:	No
East Coordinate:	603144
North Coordinate:	4723662
Accuracy Code:	4.2 - Utilization of GIS and existing spatial data
Regulatory Status:	Not reported
Permit #:	Not reported
Auth. Date:	Not reported

HUDSON METAL - MOMENT METAL LLC (Continued) **1000384241**

Expiration Date: Not reported
Waste Types: Not reported
Operator Name: Not reported
Operator Type: Not reported
Last Date: Not reported

Name: EMPIRE RECYCLING/MOMENTS METALS
Address: 11 NORTH FERRY STREET
City,State,Zip: ALBANY, NY 12204
Region: 4
Facility Address 2: Not reported
Phone Number: 5184653387
Owner Type: Not reported
Owner Name: Moments Metals SBA Hudson Metals Corp
Owner Address: 11 North Ferry Street
Owner Address 2: Not reported
Owner City,St,Zip: Albany, NY 12207
Owner Email: tstackhm@aol.com
Owner Phone: 5184653387
Contact Name: Tom Stack
Contact Address: Not reported
Contact Address 2: Not reported
Contact City,St,Zip: Not reported
Contact Email: tstackhm@aol.com
Contact Phone: 5184653387
Activity Desc: RHRF - registration
Activity Number: [01M05]
Active: No
East Coordinate: 603141
North Coordinate: 4723661
Accuracy Code: 4.2 - Utilization of GIS and existing spatial data
Regulatory Status: Registration
Permit #: 01M05
Auth. Date: 8/30/2007
Expiration Date: Not reported
Waste Types: Not reported
Operator Name: Not reported
Operator Type: Not reported
Last Date: Not reported

SPILLS:

Name: HUDSON METAL RECYCLING N. FERRY ST
Address: 11 N. FERRY ST
City,State,Zip: ALBANY, NY 12207
Spill Number/Closed Date: 0513058 / 2009-06-09
Facility ID: 0513058
Facility Type: ER
DER Facility ID: 309521
Site ID: 359472
DEC Region: 4
Spill Cause: Other
Spill Class: B4
SWIS: 0101
Spill Date: 2006-02-10
Investigator: KDGOERTZ
Referred To: Not reported
Reported to Dept: 2006-02-10

HUDSON METAL - MOMENT METAL LLC (Continued) **1000384241**

CID:	407
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-02-10
Spill Record Last Update:	2015-10-20
Spiller Name:	STEVEN KOWALSKY
Spiller Company:	MOMENT METALS LLC (HUDSON METAL RECYCLING)
Spiller Address:	LEE STREET
Spiller Company:	999
Contact Name:	GAIL SHER
DEC Memo:	"02/14/06 - Soil samples shows contamination. Will review report when received. wtc 07/27/07 - Left voice message @ 8:40am. wtc 07/27/07 - Spoke to Mark Ruhnke and he will forward my request to his client to release a copy of the report to us. wtc 10/04/07 - Received report in August and sent RP letter to Empire Recycling Corp. the present owner. Their lawyer sent a letter back saying that the previous owner, GKR Shares LLC is responsible. In the process of forwarding an RP letter to them too. wtc 01/08/08 - Legal has sent out order. wtc 5/29/09: Received additional subsurface investigation report today. (KG) 02/29/08 - KG has site and is working with legal. wtc see eDOCS; 9112536 5/29/08 - FOIL 08/156 6/9/2008: reviewed May 28, 2009 investigation report. Contamination exists at some locations above standards but at levels typical for a junkyard site. Will issue a no further action letter, subject to reopening if site use changes in the future. (KG)"
Remarks:	"Soil sampling shows contamination."

All Materials:

Site ID:	359472
Operable Unit ID:	1116681
Operable Unit:	01
Material ID:	2107127
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HUDSON SCRAP METAL N. FERRY
Address:	11 N. FERRY ST
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9112536 / 1992-04-08
Facility ID:	9112536
Facility Type:	ER
DER Facility ID:	176261
Site ID:	212751
DEC Region:	4

HUDSON METAL - MOMENT METAL LLC (Continued) **1000384241**

Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	0101
Spill Date:	1992-03-09
Investigator:	WTCHRIST
Referred To:	Not reported
Reported to Dept:	1992-03-09
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1992-03-20
Cleanup Meets Std:	True
Last Inspection:	1992-03-19
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	1992-03-12
Spill Record Last Update:	2012-03-22
Spiller Name:	Not reported
Spiller Company:	HUDSON SCRAP METAL
Spiller Address:	11 N. FERRY ST
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CHRISTENSEN see Edocs; 0513058"
Remarks:	"TOMPKINS & PIAZZA PULLED 1K UGT, ANDERSON HIRED TO CLEAN, FOUND HOLES IN TANK, GAS ODOR & CONT. SOIL. WTC ON SITE, SAMPLES TAKEN, NON-DETECT OR W/I LIMITS, OK TO BACKFILL."

All Materials:

Site ID:	212751
Operable Unit ID:	966143
Operable Unit:	01
Material ID:	417505
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

RCRA NonGen / NLR:

Date Form Received by Agency:	2011-02-03 00:00:00.0
Handler Name:	HUDSON METAL - MOMENT METAL LLC
Handler Address:	11 N FERRY ST
Handler City,State,Zip:	ALBANY, NY 12207
EPA ID:	NYD002616266
Contact Name:	THOMAS P STACK
Contact Address:	N FERRY ST
Contact City,State,Zip:	ALBANY, NY 12207
Contact Telephone:	518-469-3387
Contact Fax:	518-432-8022
Contact Email:	Not reported

HUDSON METAL - MOMENT METAL LLC (Continued) **1000384241**

Contact Title:	GENERAL MANAGER
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R4
Mailing Address:	N FERRY ST
Mailing City,State,Zip:	ALBANY, NY 12207
Owner Name:	MOMENT METAL LLC
Owner Type:	Private
Operator Name:	THOMAS P STACK
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported

HUDSON METAL - MOMENT METAL LLC (Continued) **1000384241**

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MOMENT METALS LLC
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MOMENT METALS LLC
Legal Status:	Private
Date Became Current:	2002-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

HUDSON METAL - MOMENT METAL LLC (Continued) **1000384241**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MOMENT METAL LLC
Legal Status:	Private
Date Became Current:	2007-04-05 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JACOB SHER
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 923ED
Owner/Operator City,State,Zip:	ALBANY, NY 12201
Owner/Operator Telephone:	518-465-3387
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	THOMAS P STACK
Legal Status:	Private
Date Became Current:	2003-08-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1999-07-08 00:00:00.0
Handler Name:	HUDSON SCRAP IRON & METAL CO
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2006-01-01 00:00:00.0
Handler Name:	HUDSON SCRAP IRON & METAL CO
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

HUDSON METAL - MOMENT METAL LLC (Continued) **1000384241**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-04-02 00:00:00.0
Handler Name: MOMENT METALS LLC DBA HUDSON METALS CORP
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1992-04-23 00:00:00.0
Handler Name: HUDSON SCRAP IRON & METAL CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-04-03 00:00:00.0
Handler Name: MOMENT METALS LLC DBA HUDSON METALS CORP
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2011-02-03 00:00:00.0
Handler Name: HUDSON METAL - MOMENT METAL LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

HUDSON METAL - MOMENT METAL LLC (Continued) **1000384241**

List of NAICS Codes and Descriptions:
NAICS Code: 331513
NAICS Description: STEEL FOUNDRIES (EXCEPT INVESTMENT)

NAICS Code: 42393
NAICS Description: RECYCLABLE MATERIAL MERCHANT WHOLESALERS

NAICS Code: 42512
NAICS Description: WHOLESALE TRADE AGENTS AND BROKERS

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 1992-03-10 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYBAG
Evaluation Responsible Sub-Organization: R4

HUDSON METAL - MOMENT METAL LLC (Continued) **1000384241**

Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110004341784

Click Here:

Environmental Interest/Information System:
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000384241
Registry ID:	110004341784
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004341784
Name:	MOMENT METALS LLC DBA AS HUDSON METALS CORP
Address:	11 N FERRY ST
City,State,Zip:	ALBANY, NY 12207

NY MANIFEST:

Name:	HUDSON SCRAP IRON & METAL
Address:	11 N FERRY ST
City,State,Zip:	ALBANY, NY 12207
Country:	USA
EPA ID:	NYD002616266
Facility Status:	Not reported
Location Address 1:	FOOT OF NORTH FERRY ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	ALBANY
Location State:	NY

HUDSON METAL - MOMENT METAL LLC (Continued) **1000384241**

Location Zip:	12204
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD002616266
Mailing Name:	HUDSON SCRAP IRON & METAL
Mailing Contact:	UNKNOWN
Mailing Address 1:	FOOT OF NORTH FERRY ST
Mailing Address 2:	Not reported
Mailing City:	ALBANY
Mailing State:	NY
Mailing Zip:	12204
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	5184653387

NY MANIFEST:

Document ID:	MAG0880080
Manifest Status:	K
seq:	Not reported
Year:	1992
Trans1 State ID:	694632MA
Trans2 State ID:	Not reported
Generator Ship Date:	05/19/1992
Trans1 Recv Date:	05/19/1992
Trans2 Recv Date:	/ /
TSD Site Recv Date:	05/22/1992
Part A Recv Date:	/ /
Part B Recv Date:	06/19/1992
Generator EPA ID:	NYD002616266
Trans1 EPA ID:	MAD052924495
Trans2 EPA ID:	Not reported
TSDF ID 1:	MAD052924495
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00070
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.

HUDSON METAL - MOMENT METAL LLC (Continued) **1000384241**

Specific Gravity: 100

18
NNW
1/4-1/2
0.485 mi.
2561 ft.

Relative:
Lower

Actual:
12 ft.

ALBANY WATER DEPT OF
35 ERIE BLVD
ALBANY, NY 12204

RCRA-VSQG **1000552431**
NY LTANKS **NYD986948305**
NY CBS
NY CBS AST
NY Spills
ICIS
FINDS
ECHO
NY MANIFEST

RCRA-VSQG:

Date Form Received by Agency:		2007-01-01 00:00:00.0
Handler Name:	ALBANY WATER DEPT OF	
Handler Address:		35 ERIE BLVD
Handler City,State,Zip:		ALBANY, NY 12204-2593
EPA ID:		NYD986948305
Contact Name:		Not reported
Contact Address:		ERIE BLVD
Contact City,State,Zip:		ALBANY, NY 12204
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R4
Mailing Address:		ERIE BLVD
Mailing City,State,Zip:		ALBANY, NY 12204
Owner Name:		ALBANY WATER DEPT
Owner Type:		Municipal
Operator Name:		ALBANY WATER BOARD
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

ALBANY WATER DEPT OF (Continued) **1000552431**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALBANY WATER BOARD
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	35 ERIE BLVD
Owner/Operator City,State,Zip:	ALBANY, NY 12204
Owner/Operator Telephone:	518-434-5300

ALBANY WATER DEPT OF (Continued) **1000552431**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ALBANY WATER DEPT
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	35 ERIE BLVD
Owner/Operator City,State,Zip:	ALBANY, NY 12204
Owner/Operator Telephone:	518-434-5300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALBANY WATER BOARD
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	35 ERIE BLVD
Owner/Operator City,State,Zip:	ALBANY, NY 12204
Owner/Operator Telephone:	518-434-5300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ALBANY WATER DEPT
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	35 ERIE BLVD
Owner/Operator City,State,Zip:	ALBANY, NY 12204
Owner/Operator Telephone:	518-434-5300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1999-07-08 00:00:00.0
Handler Name: ALBANY WATER DEPT OF	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	2006-01-01 00:00:00.0
Handler Name: ALBANY WATER DEPT OF	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator

ALBANY WATER DEPT OF (Continued) **1000552431**

State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-01-01 00:00:00.0
Handler Name: ALBANY WATER DEPT OF
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1991-04-16 00:00:00.0
Handler Name: ALBANY WATER DEPT OF
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported

ALBANY WATER DEPT OF (Continued) **1000552431**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	2003-02-26 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2STP
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

LTANKS:

Name:	ALBANY WATER DEPT ERIE BLVD
Address:	35 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	8703215 / 1987-11-02
Facility ID:	8703215
Site ID:	316746
Spill Date:	1987-07-21
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	1987-11-02
SWIS:	0101
Investigator:	WEBLAIN
Referred To:	Not reported
Reported to Dept:	1987-07-21
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester

ALBANY WATER DEPT OF (Continued) **1000552431**

Last Inspection:	1987-11-02
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1987-07-24
Spill Record Last Update:	2012-12-20
Spiller Name:	Not reported
Spiller Company:	ALBANY WATER DEPT
Spiller Address:	35 ERIE BLVD
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	255384
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BLAIN / / : TANK DUG OUT. CLOSED 11/2. 11/30/87: FOLLOWUP LETTER REQUIRED REQUESTING RESULTS. DUG UP. CLOSED. 8904851, 0202289; PBS 4-395366; CBS 4-000044 12/14/12 - FOIL 12/471, Edoc CD w/multiple sites."
Remarks:	"(1) 2K SYSTEM FAILED PETROTITE @ -.7244 GPH. ANOTHER 2K SYSTEM FAILED WITH UNREADABLE RATE. WILL EXCAVATE AND ISOLATE AND RETEST EACK TANK"

All TTF:

Facility ID:	8703215
Spill Number:	8703215
Spill Tank Test:	1531157
Site ID:	316746
Tank Number:	Not reported
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	316746
Operable Unit ID:	907179
Operable Unit:	01
Material ID:	469478
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

ALBANY WATER DEPT OF (Continued) **1000552431**

Name:	ALBANY WATERWORKS ERIE BLVD
Address:	35 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	8904851 / 1990-01-29
Facility ID:	8904851
Site ID:	316747
Spill Date:	1989-08-15
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	1989-10-02
SWIS:	0101
Investigator:	TESPERBE
Referred To:	Not reported
Reported to Dept:	1989-08-15
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1989-08-16
Spill Record Last Update:	2012-12-20
Spiller Name:	Not reported
Spiller Company:	ALBANY WATERWORKS
Spiller Address:	ERIE BLVD
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	431116
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SPERBECK 8703215, 0202289; PBS 4-395366; CBS 4-000044 12/14/12 - FOIL 12/471, Edoc CD w/multiple sites."
Remarks:	"1K UGT FAILED PETROTITE - 1 GAL/10 MIN. (6 GPH). EXCAVATE, ISOLATE, RETEST. TANK & 5 TRUCKLOADS REMOVED, CLEAN-UP COMPLETE."

All TTF:

Facility ID:	8904851
Spill Number:	8904851
Spill Tank Test:	1535857
Site ID:	316747
Tank Number:	Not reported
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

ALBANY WATER DEPT OF (Continued) **1000552431**

All Materials:

Site ID:	316747
Operable Unit ID:	930111
Operable Unit:	01
Material ID:	448882
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

CBS:

Name:	FEURA BUSH FILTRATION PLANT
Address:	35 ERIE BLVD
City,State,Zip:	ALBANY, NY 12204
CBS Number:	4-000044
Program Type:	CBS
Facility Status:	Unregulated/Closed
Expiration Date:	Not reported
Dec Region:	4
UTMX:	603388.69346
UTMY:	4724458.69499

CBS AST:

CBS Number:	4-000044
ICS Number:	0-025747
PBS Number:	4-395374
MOSF Number:	Not reported
SPDES Number:	0-100145
Facility Status:	IN SERVICE
Facility Type:	E
Telephone:	(518) 767-2667
Facility Town:	ALBANY (C)
Region:	STATE
Expiration Date:	06/02/1991
Total Capacity of All Active Tanks(gal):	0
Operator:	KENAN GLENNING
Emergency Contact:	ROBERT COLEMAN
Emergency Phone:	(518) 462-8000
Owner Name:	ALBANY WATER BOARD
Owner Address:	35 ERIE BLVD.
Owner City,St,Zip:	ALBANY, NY 12204
Owner Telephone:	(518) 434-5317
Owner Type:	Local Government
Owner Sub Type:	Not reported
Mail Name:	ALBANY WATER BOARD
Mail Contact Addr:	35 ERIE BLVD.
Mail Contact Addr2:	Not reported
Mail Contact Contact:	ROBERT COLEMAN
Mail Contact City,St,Zip:	ALBANY, NY 12204
Mail Phone:	(518) 434-5317

ALBANY WATER DEPT OF (Continued) **1000552431**

Tank Id:	00001
CAS Number:	10043013
Federal ID:	Not reported
Tank Status:	0
Install Date:	12/30
Tank Closed:	12/30
Capacity (Gal):	2600
Chemical:	Aluminum sulfate
Tank Location:	Indoors, Aboveground
Tank Type:	Other
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	None
Tank Error Status:	2
Date Entered:	06/02/1989
Certified Date:	06/02/1989
Substance:	Not reported
Internal Protection:	Not reported
External Protection:	Not reported
Pipe Location:	Not reported
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	Not reported
Pipe External:	Not reported
Pipe Flag:	False
Leak Detection:	Not reported
Overfill Protection:	Not reported
Haz Percent:	0
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	0101
Lat/Long:	42|33|03 / 73|52|08
Is Updated:	False
Renew Date:	03/13/91
Is It There:	False
Delinquent:	False
Date Expired:	06/02/91
Owner Mark:	1
Certificate Needs to be Printed:	42|33|03 / 73|52|08
Fiscal Amt for Registration Fee Correct:	42|33|03 / 73|52|08
Renewal Has Been Printed for Facility:	42|33|03 / 73|52|08
Pre-Printed Renewal App Last Printed:	42|33|03 / 73|52|08

Tank Id:	00004
CAS Number:	10043013
Federal ID:	Not reported
Tank Status:	0
Install Date:	12/30
Tank Closed:	12/30
Capacity (Gal):	2600
Chemical:	Aluminum sulfate
Tank Location:	Indoors, Aboveground
Tank Type:	Other
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	None
Tank Error Status:	2

ALBANY WATER DEPT OF (Continued) **1000552431**

Date Entered:	06/02/1989
Certified Date:	06/02/1989
Substance:	Not reported
Internal Protection:	Not reported
External Protection:	Not reported
Pipe Location:	Not reported
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	Not reported
Pipe External:	Not reported
Pipe Flag:	False
Leak Detection:	Not reported
Overfill Protection:	Not reported
Haz Percent:	0
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	0101
Lat/Long:	42|33|03 / 73|52|08
Is Updated:	False
Renew Date:	03/13/91
Is It There:	False
Delinquent:	False
Date Expired:	06/02/91
Owner Mark:	1
Certificate Needs to be Printed:	42|33|03 / 73|52|08
Fiscal Amt for Registration Fee Correct:	42|33|03 / 73|52|08
Renewal Has Been Printed for Facility:	42|33|03 / 73|52|08
Pre-Printed Renewal App Last Printed:	42|33|03 / 73|52|08

Tank Id:	00003
CAS Number:	10043013
Federal ID:	Not reported
Tank Status:	0
Install Date:	12/30
Tank Closed:	12/30
Capacity (Gal):	2600
Chemical:	Aluminum sulfate
Tank Location:	Indoors, Aboveground
Tank Type:	Other
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	None
Tank Error Status:	2
Date Entered:	06/02/1989
Certified Date:	06/02/1989
Substance:	Not reported
Internal Protection:	Not reported
External Protection:	Not reported
Pipe Location:	Not reported
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	Not reported
Pipe External:	Not reported
Pipe Flag:	False
Leak Detection:	Not reported
Overfill Protection:	Not reported
Haz Percent:	0
Last Test:	Not reported

ALBANY WATER DEPT OF (Continued) **1000552431**

Due Date:	Not reported
SWIS Code:	0101
Lat/Long:	42|33|03 / 73|52|08
Is Updated:	False
Renew Date:	03/13/91
Is It There:	False
Delinquent:	False
Date Expired:	06/02/91
Owner Mark:	1
Certificate Needs to be Printed:	42|33|03 / 73|52|08
Fiscal Amt for Registration Fee Correct:	42|33|03 / 73|52|08
Renewal Has Been Printed for Facility:	42|33|03 / 73|52|08
Pre-Printed Renewal App Last Printed:	42|33|03 / 73|52|08

Tank Id:	00002
CAS Number:	10043013
Federal ID:	Not reported
Tank Status:	0
Install Date:	12/30
Tank Closed:	12/30
Capacity (Gal):	2600
Chemical:	Aluminum sulfate
Tank Location:	Indoors, Aboveground
Tank Type:	Other
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	None
Tank Error Status:	2
Date Entered:	06/02/1989
Certified Date:	06/02/1989
Substance:	Not reported
Internal Protection:	Not reported
External Protection:	Not reported
Pipe Location:	Not reported
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	Not reported
Pipe External:	Not reported
Pipe Flag:	False
Leak Detection:	Not reported
Overfill Protection:	Not reported
Haz Percent:	0
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	0101
Lat/Long:	42|33|03 / 73|52|08
Is Updated:	False
Renew Date:	03/13/91
Is It There:	False
Delinquent:	False
Date Expired:	06/02/91
Owner Mark:	1
Certificate Needs to be Printed:	42|33|03 / 73|52|08
Fiscal Amt for Registration Fee Correct:	42|33|03 / 73|52|08
Renewal Has Been Printed for Facility:	42|33|03 / 73|52|08
Pre-Printed Renewal App Last Printed:	42|33|03 / 73|52|08

ALBANY WATER DEPT OF (Continued) **1000552431**

SPILLS:

Name:	ALBANY WATER DEPT ERIE BLVD
Address:	35 ERIE BLVD
City,State,Zip:	ALBANY, NY 12207
Spill Number/Closed Date:	0202289 / 2002-07-23
Facility ID:	0202289
Facility Type:	ER
DER Facility ID:	329012
Site ID:	316745
DEC Region:	4
Spill Cause:	Other
Spill Class:	B3
SWIS:	0101
Spill Date:	2002-06-03
Investigator:	WTCHRIST
Referred To:	Not reported
Reported to Dept:	2002-06-03
CID:	205
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-06-03
Spill Record Last Update:	2013-09-26
Spiller Name:	GREG YONKERS
Spiller Company:	CITY OF ALBANY WATER DEPT
Spiller Address:	35 ERIE BLVD
Spiller Company:	001
Contact Name:	CALLER
DEC Memo:	"See Edocs; 8703215, 8904851 PBS 4-395366; CBS 4-000044 07/23/2002 - Received closure report from Albany Tank Services. Analytical data shows site meets TAGMs 4046. No further remediation required. wtc 12/14/12 - FOIL 12/471, Edoc CD w/multiple sites. 9/26/2013: Reviewed additional reports submitted on behalf of the City of Albany as part of a property due dilligence. The data and information contained in the reports did not justify opening this spill number or requiring further action. (KG)"
Remarks:	"pulled tanbk and found contamination from tank overfills."

All Materials:

Site ID:	316745
Operable Unit ID:	853131
Operable Unit:	01
Material ID:	520150
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

ALBANY WATER DEPT OF (Continued) **1000552431**

ICIS:

Enforcement Action ID:	NY-R42013022737
FRS ID:	110004464641
Action Name:	ALBANY CSOs- PUMP FAILURE
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	State Administrative Order of Consent
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	STAOCO
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	NY-R420080912137
FRS ID:	110004464641
Action Name:	ALBANY CSOs
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	State Administrative Order of Consent
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	STAOCO
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	NY-N00002512
FRS ID:	110004464641
Action Name:	COMBINED SEWER OVERFLOWS (Permit NY0025747) Administrative Consent Order
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	State Administrative Order of Consent
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	STAOCO
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778

ALBANY WATER DEPT OF (Continued) **1000552431**

Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	NY-N00001223
FRS ID:	110004464641
Action Name:	COMBINED SEWER OVERFLOWS (Permit NY0025747) Letter Of Violation/Warning Letter
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	Letter of Violation/ Warning Letter
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LOVWL
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	NY-N00000554
FRS ID:	110004464641
Action Name:	COMBINED SEWER OVERFLOWS (Permit NY0025747) Letter Of Violation/Warning Letter
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	Letter of Violation/ Warning Letter
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LOVWL
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	NY-N00000394
FRS ID:	110004464641
Action Name:	COMBINED SEWER OVERFLOWS (Permit NY0025747) Oral Notification of Violation
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	Phone Call/ EMAIL
Facility County:	ALBANY
Program System Acronym:	NPDES

ALBANY WATER DEPT OF (Continued) **1000552431**

Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	PHEMAIL
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	NY-N00000375
FRS ID:	110004464641
Action Name:	COMBINED SEWER OVERFLOWS (Permit NY0025747) Letter Of Violation/Warning Letter
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	Letter of Violation/ Warning Letter
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LOVWL
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	NY-N00000374
FRS ID:	110004464641
Action Name:	COMBINED SEWER OVERFLOWS (Permit NY0025747) Letter Of Violation/Warning Letter
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	Letter of Violation/ Warning Letter
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LOVWL
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	NY-N00000252
FRS ID:	110004464641
Action Name:	COMBINED SEWER OVERFLOWS (Permit NY0025747) Oral Notification of Violation

ALBANY WATER DEPT OF (Continued) **1000552431**

Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	Phone Call/ EMAIL
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	PHEMAIL
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	NY-CO42012091101
FRS ID:	110004464641
Action Name:	ALBANY POOL CSO LTCP
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	State Administrative Order of Consent
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	STAOCO
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

FINDS:
Registry ID: 110004464641

Click Here:

Environmental Interest/Information System:
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

ALBANY WATER DEPT OF (Continued) **1000552431**

corrective action activities required under RCRA.

~~Click this hyperlink~~ while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000552431
Registry ID:	110004464641
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004464641
Name:	ALBANY WATER DEPT OF
Address:	35 ERIE BLVD
City,State,Zip:	ALBANY, NY 12204

NY MANIFEST:

Name:	ALBANY CITY DEPT OF WATER
Address:	35 ERIE BLVD
City,State,Zip:	ALBANY, NY 12204-2593
Country:	USA
EPA ID:	NYD986948305
Facility Status:	Not reported
Location Address 1:	35 ERIE BLVD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	ALBANY
Location State:	NY
Location Zip:	12204
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD986948305
Mailing Name:	ALBANY CITY DEPT OF WATER
Mailing Contact:	ALBANY CITY DEPT OF WATER
Mailing Address 1:	35 ERIE BLVD
Mailing Address 2:	Not reported
Mailing City:	ALBANY
Mailing State:	NY
Mailing Zip:	12204
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	5184345300

NY MANIFEST:

Document ID:	NYB2350836
Manifest Status:	C
seq:	Not reported
Year:	1991
Trans1 State ID:	694632MA
Trans2 State ID:	Not reported
Generator Ship Date:	06/17/1991
Trans1 Recv Date:	06/17/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/25/1991
Part A Recv Date:	06/27/1991
Part B Recv Date:	07/05/1991
Generator EPA ID:	NYD986948305
Trans1 EPA ID:	MAD052924495

ALBANY WATER DEPT OF (Continued) **1000552431**

Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD095577342
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00180
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

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19 **THE HOLLOW** **US BROWNFIELDS** **1023620727**
East **FOURTH STREET TO TENTH STREET** **FINDS** **N/A**
1/4-1/2 **RENSSELAER, NY 12144**
0.492 mi.
2600 ft.

Relative: **Higher**
Actual: **161 ft.**

US BROWNFIELDS:

Name:	THE HOLLOW
Address:	FOURTH STREET TO TENTH STREET
City,State,Zip:	RENSSELAER, NY 12144
Recipient Name:	City of Rensselaer
Grant Type:	Cleanup
Property Number:	-
Parcel size:	60
Latitude:	42.658225
Longitude:	-73.7231659
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	169645
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-

THE HOLLOW (Continued) **1023620727**

Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	96290514
Start Date:	-
Ownership Entity:	Government
Completion Date:	-
Current Owner:	City of Rensselaer
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	Y
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y

THE HOLLOW (Continued) **1023620727**

Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	60
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	Y
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as "The Hollow". The site consists of steep ridges on either side of Quackenderry Creek, a tributary to the Hudson River. The Hudson River is located approximately one-half mile west of the site. An 11 acre section of the site was used as a rifle range from approximately 1894 to 1938. A concrete bunker in the former rifle range remains on the property. A Phase I ESA was conducted on the property in 2011 and recognized environmental conditions (RECs) at the site included; the use of the property as a small-arms firing range for almost 50 years;

THE HOLLOW (Continued) **1023620727**

Newhall Chain and Forge and Iron Company; a former machine shop with 2 garages; an automobile repair shop; and, solid waste along the western embankment of the site.

Below Poverty Number:	279
Below Poverty Percent:	15.36
Meidan Income:	5658
Meidan Income Number:	575
Meidan Income Percent:	31.66
Vacant Housing Number:	85
Vacant Housing Percent:	8.56
Unemployed Number:	73
Unemployed Percent:	4.02

FINDS:
Registry ID: 110070068802

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

~~Click this hyperlink~~ while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

D20 **RYDER TRUCK ERIE BLVD** **NY LTANKS** **S100782226**
West **10 ERIE BLVD** **N/A**
1/4-1/2 **ALBANY, NY**
0.496 mi.
2617 ft. **Site 1 of 2 in cluster D**

Relative: **Lower**
Actual: **19 ft.**

LTANKS:

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9605317 / 1999-02-02
Facility ID:	9605317
Site ID:	148203
Spill Date:	1996-07-24
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	1999-02-02
SWIS:	0101
Investigator:	tesperbe
Referred To:	Not reported
Reported to Dept:	1996-07-25
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1996-07-25
Spill Record Last Update:	2016-02-08
Spiller Name:	VINCENT

RYDER TRUCK ERIE BLVD (Continued) **S100782226**

Spiller Company:	RYDER TRUCK
Spiller Address:	ERIE BLVD
Spiller County:	001
Spiller Contact:	VINCENT
Spiller Phone:	(518) 436-9715
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	299557
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SPERBECK 8/7/96 SPOKE WITH JEFF MARUTELLAR OF RYDER TRUCKING. ALL THREE TANKS WERE MANIFOLDED TOGETHER AND FAILED TESTING. VALLEY EQUIPMENT EXCAVATED TOPS OF TANKS AND ISOLATED EACH TANK. ONE FAILED BECAUSE OF LOOSE VENT. VENT REPAIRED AND IT THEN PASSED. OTHER TWO TANKS PASSED. FULL REPORT TO FOLLOW. 2/2/99 - CLOSED SEE 9712563 (Edocs for large tank pull); PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865) 2/8/16 - FOIL W003257-020116, Edocs w/PBS 4-435287."
Remarks:	"3 tanks failing as a system 2 12000 gallons and 1 6000 gallons weather is very muggy"

All TTF:

Facility ID:	9605317
Spill Number:	9605317
Spill Tank Test:	1544658
Site ID:	148203
Tank Number:	1
Tank Size:	12000
Material:	Not reported
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	14
Test Method 2:	VacuTest
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

D21 **RYDER TRUCK RENTAL INC** **RCRA-VSQG** **1000211492**
West **10 ERIE BLVD E SIDE OF PROPERTY** **NY LTANKS** **NYD046877080**
1/4-1/2 **ALBANY, NY 12204** **NY AST**
0.496 mi. **NY Spills**
2617 ft. **Site 2 of 2 in cluster D** **NY MANIFEST**

Relative: RCRA-VSQG:
Lower

Date Form Received by Agency:		2007-01-01 00:00:00.0
Handler Name:	RYDER TRUCK RENTAL INC	
Handler Address:		10 ERIE BLVD E SIDE OF PROPERTY
Handler City,State,Zip:		ALBANY, NY 12204-2514
EPA ID:		NYD046877080
Contact Name:		Not reported
Contact Address:		ERIE BLVD PO BOX 4007

Actual:
19 ft.

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Contact City,State,Zip:	ALBANY, NY 12204
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Not reported
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R4
Mailing Address:	ERIE BLVD PO BOX 4007
Mailing City,State,Zip:	ALBANY, NY 12204
Owner Name:	JACOB SHER
Owner Type:	Private
Operator Name:	JACOB SHER
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Hazardous Waste Summary:

Waste Code:	D002
Waste Description:	CORROSIVE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JACOB SHER
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JACOB SHER
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JACOB SHER
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1999-07-08 00:00:00.0
Handler Name: RYDER TRUCK RENTAL INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2006-01-01 00:00:00.0
Handler Name: RYDER TRUCK RENTAL INC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-01-01 00:00:00.0
Handler Name: RYDER TRUCK RENTAL INC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1986-10-31 00:00:00.0
Handler Name: RYDER TRUCK RENTAL INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

RYDER TRUCK RENTAL INC (Continued) **1000211492**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 2015-06-15 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYHBR
Evaluation Responsible Sub-Organization: R4
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

RYDER TRUCK RENTAL INC (Continued) **1000211492**

LTANKS:

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	8708160 / 1989-03-22
Facility ID:	8708160
Site ID:	150010
Spill Date:	1987-12-21
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B6
Cleanup Ceased:	1989-03-22
SWIS:	0101
Investigator:	weblain
Referred To:	Not reported
Reported to Dept:	1987-12-21
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1987-12-24
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK RENTAL
Spiller Address:	10 ERIE BLVD
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	461103
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BLAIN PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"4 UGT'S MANIFOLDED TOGETHER TOTALING 36000 GALS. FAILED TEST @ -.22 GPH. MAY AIR IN TANK. WILL RETEST. RYDER MGR. SAYS THEY WILL CONDUCT COMPLETE INVEST. IN APRIL. 3/22/89-RETEST PASSED PER BLAIN."

All TTF:

Facility ID:	8708160
Spill Number:	8708160
Spill Tank Test:	1532762
Site ID:	150010
Tank Number:	Not reported
Tank Size:	0
Material:	0008
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	150010
Operable Unit ID:	913709
Operable Unit:	01
Material ID:	463557
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	8900577 / 1989-04-26
Facility ID:	8900577
Site ID:	150012
Spill Date:	1989-04-19
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	1989-04-26
SWIS:	0101
Investigator:	ANGEISEN
Referred To:	Not reported
Reported to Dept:	1989-04-19
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1989-04-24
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK RENTAL/ALBANY
Spiller Address:	10 ERIE BLVD.
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	461104

RYDER TRUCK RENTAL INC (Continued) **1000211492**

DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was GEISENDORFER PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"

Remarks: "3-4K UGTS, NO-LEAD GASOLINE- MANIFOLDED. ISOLATED AND TESTED SEPARATELY, -0.32 AND-O.36. TANKS, CONT. SOIL REMOVED.4/26/89 MCD ON SITE-CHECKED 2 M/WS, NO PROBLEMS, OK'D EOI BACKFILL. CLEAN-UP COMPLETE"

All TTF:

Facility ID:	8900577
Spill Number:	8900577
Spill Tank Test:	1535368
Site ID:	150012
Tank Number:	Not reported
Tank Size:	0
Material:	0009
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	150012
Operable Unit ID:	926867
Operable Unit:	01
Material ID:	451918
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9011390 / 1992-02-06
Facility ID:	9011390
Site ID:	150014
Spill Date:	1991-01-29
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	1992-02-06

RYDER TRUCK RENTAL INC (Continued) **1000211492**

SWIS:	0101
Investigator:	tesperbe
Referred To:	Not reported
Reported to Dept:	1991-01-29
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1991-01-30
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER
Spiller Address:	10 ERIE BLVD
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	461105
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SPERBECK PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"FAILED PETROTITE LINETEST @ -.008 (CONSTANT PRESSURE DROP), LINE NOW OUT OF SERVICE. LINE REPLACED SAMPLE RESULTS RECEIVED."

All TTF:

Facility ID:	9011390
Spill Number:	9011390
Spill Tank Test:	1538192
Site ID:	150014
Tank Number:	Not reported
Tank Size:	0
Material:	0009
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	150014
Operable Unit ID:	951457
Operable Unit:	01
Material ID:	427937

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9310972 / 1999-02-02
Facility ID:	9310972
Site ID:	150016
Spill Date:	1993-12-09
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	1999-02-02
SWIS:	0101
Investigator:	tesperbe
Referred To:	Not reported
Reported to Dept:	1993-12-09
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1993-12-28
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK
Spiller Address:	ERIE BLVD
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	461107
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SPERBECK CLOSED. SEE 9712563; PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"6K UGT FAILED PETROTITE @ -.152GPH, EIR."

All TTF:

Facility ID:	9310972
Spill Number:	9310972
Spill Tank Test:	1542284

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Site ID:	150016
Tank Number:	Not reported
Tank Size:	0
Material:	0009
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	150016
Operable Unit ID:	989629
Operable Unit:	01
Material ID:	390033
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

AST:

Name:	RYDER TRANSPORTATION SERVICES #0237
Address:	11 ERIE BOULEVARD
City,State,Zip:	ALBANY, NY 12204
Region:	STATE
DEC Region:	4
Site Status:	Active
Facility Id:	4-435287
Program Type:	PBS
UTM X:	603160.23933
UTM Y:	4723863.46073
Expiration Date:	06/28/2023
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	36792
Affiliation Type:	Mail Contact
Company Name:	RYDER TRANSPORTATION SERVICES
Contact Type:	Not reported
Contact Name:	COMPLIANCE DEPARTMENT
Address1:	16155 PARK ROW DRIVE
Address2:	SUITE 140
City:	HOUSTON
State:	TX
Zip Code:	77084
Country Code:	001
Phone:	(281) 647-8900

RYDER TRUCK RENTAL INC (Continued) **1000211492**

EMail:	COMPLIANCERFS@RYDERF.COM
Fax Number:	Not reported
Modified By:	tesperbe
Date Last Modified:	2015-11-20

Site Id:	36792
Affiliation Type:	Facility Owner
Company Name:	SHERBRO INC/GKR SHARES LLC
Contact Type:	COMPLIANCE MANAGER
Contact Name:	HEATHER MELTON
Address1:	3200 PARK AVE APT 2FL
Address2:	Not reported
City:	BRIDGEPORT
State:	CT
Zip Code:	06604
Country Code:	001
Phone:	(203) 445-7945
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TESPERBE
Date Last Modified:	2018-05-07

Site Id:	36792
Affiliation Type:	Emergency Contact
Company Name:	RYDER TRANSPORTATION SERVICES
Contact Type:	Not reported
Contact Name:	RYDER INCIDENT HOTLINE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(888) 793-7865
EMail:	Not reported
Fax Number:	Not reported
Modified By:	THKNIZEK
Date Last Modified:	2009-07-20

Site Id:	36792
Affiliation Type:	Facility Operator
Company Name:	RYDER TRANSPORTATION SERVICES #0237
Contact Type:	Not reported
Contact Name:	BRANDON FRAGALE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 436-9715
EMail:	Not reported
Fax Number:	Not reported
Modified By:	AYLAGATI
Date Last Modified:	2017-02-02

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Tank Info:

Tank Number:	2
Tank Id:	72925
Material Code:	0013
Common Name of Substance:	Lube Oil

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I01 - Overfill - Float Vent Valve
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
J00 - Dispenser - None
F00 - Pipe External Protection - None
B99 - Tank External Protection - Other
L00 - Piping Leak Detection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
H99 - Tank Leak Detection - Other

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	04/01/1998
Capacity Gallons:	1000
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TESPERBE
Last Modified:	05/07/2018
Material Name:	motor oil

Tank Number:	3
Tank Id:	72929
Material Code:	0013
Common Name of Substance:	Lube Oil

Equipment Records:

L09 - Piping Leak Detection - Exempt Suction Piping
K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None
F00 - Pipe External Protection - None
G99 - Tank Secondary Containment - Other
I01 - Overfill - Float Vent Valve
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B99 - Tank External Protection - Other
C01 - Pipe Location - Aboveground
J02 - Dispenser - Suction Dispenser
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated

RYDER TRUCK RENTAL INC (Continued) **1000211492**

above grade or tank pad, allowing visual inspection.
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 04/01/1998
Capacity Gallons: 1000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: tesperbe
Last Modified: 04/14/2017
Material Name: waste oil/used oil

SPILLS:
Name: RYDER TRUCK ERIE BLVD DRUMS IN TRUCKS
Address: 10 ERIE BLVD
City,State,Zip: ALBANY, NY
Spill Number/Closed Date: 8604786 / 1987-03-31
Facility ID: 8604786
Facility Type: ER
DER Facility ID: 112013
Site ID: 129977
DEC Region: 4
Spill Cause: Abandoned Drums
Spill Class: B6
SWIS: 0101
Spill Date: 1986-10-27
Investigator: weblain
Referred To: Not reported
Reported to Dept: 1986-10-27
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Fire Department
Cleanup Ceased: 1987-03-31
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1986-10-28
Spill Record Last Update: 2015-04-08
Spiller Name: Not reported
Spiller Company: RYDER TRUCK CO
Spiller Address: 10 ERIE BLVD
Spiller Company: 001
Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was BLAIN 09/28/95: This is additional information about material spilled from the translation of the old spill file: ACETONEYL ALCOHL. PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743,

RYDER TRUCK RENTAL INC (Continued) **1000211492**

9605317, 9712563, 0609230, 1410865)"
Remarks: "2 TRUCKS/DRUMS ON BOARD & OTHER CHEMICALS-NO SPILLAGE NOTED"

All Materials:
Site ID: 129977
Operable Unit ID: 901768
Operable Unit: 01
Material ID: 474015
Material Code: 0303B
Material Name: ethyl alcohol
Case No.: 00064175
Material FA: Other
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Site ID: 129977
Operable Unit ID: 901768
Operable Unit: 01
Material ID: 474013
Material Code: 0024B
Material Name: 2-propanone
Case No.: 00067641
Material FA: Hazardous Material
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: TMI PROPERTIES LLC ERIE BLVD (RYDER)
Address: 10 ERIE BLVD
City,State,Zip: ALBANY, NY 12206
Spill Number/Closed Date: 0609230 / 2007-05-03
Facility ID: 0609230
Facility Type: ER
DER Facility ID: 323100
Site ID: 373380
DEC Region: 4
Spill Cause: Other
Spill Class: C4
SWIS: 0101
Spill Date: 2006-11-10
Investigator: wtchrist
Referred To: Not reported
Reported to Dept: 2006-11-10
CID: 408
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2006-11-10

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Spill Record Last Update:	2015-04-08
Spiller Name:	MATTHEW BIAGIOTTI
Spiller Company:	TMI PROPERTIES LLC (RYDER?)
Spiller Address:	10 ERIE BLV.
Spiller Company:	001
Contact Name:	MATTHEW BIAGIOTTI
DEC Memo:	"01/04/07 - Mr. Biagiotti will send me the Phase ll report. wtc 5/3/07 - Received report and meets soil and groundwater guidance. See Edocs. wtc (address registered as Ryder, PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865) 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"TYULENE IS THE MATERIAL; TWO UNDERGROUND TANKS ON PROPERTY, BELIEVED TO HAVE HELD PAINT BY PREVIOUS OWNER; ASLO FOUND MEK IN SOIL; THREE SAMPLES TAKEN; HAS BEEN IN BUILDING SINCE 1983"

All Materials:

Site ID:	373380
Operable Unit ID:	1131088
Operable Unit:	01
Material ID:	2120778
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1701485 / 2018-07-03
Facility ID:	1701485
Facility Type:	ER
DER Facility ID:	127576
Site ID:	548542
DEC Region:	4
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	0101
Spill Date:	2017-05-16
Investigator:	JDUTBERG
Referred To:	Not reported
Reported to Dept:	2017-05-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False

RYDER TRUCK RENTAL INC (Continued) **1000211492**

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2017-05-16
Spill Record Last Update:	2019-08-22
Spiller Name:	BRIAN MOORE
Spiller Company:	UNKNOWN
Spiller Address:	10 ERIE BLVD
Spiller Company:	999
Contact Name:	BRIAN MOORE
DEC Memo:	"JDU on site at Ryder Facility. Motor oil tank at back of building overfilled and leaked out onto concrete and asphalt. NRC on site to clean up spill. Less than 1 drum of speedy dry being generated. No impact to resources. Ryder will submit report. JDU 7/2/18 Email sent to NRC Requesting disposal receipts. JDU Email received from NRC. Only one bag of speedy dry used and waste put into drum which was left on site for disposal by Ryder. Less than 1 drum of material. No disposal documents required. Spill can be closed. JDU Closure report in D2. "
Remarks:	"clean up is en route"

All Materials:

Site ID:	548542
Operable Unit ID:	1296680
Operable Unit:	01
Material ID:	2302765
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	18.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9712563 / 2000-03-10
Facility ID:	9712563
Facility Type:	ER
DER Facility ID:	461103
Site ID:	150020
DEC Region:	4
Spill Cause:	Unknown
Spill Class:	B3
SWIS:	0101
Spill Date:	1998-02-10
Investigator:	wtchrist
Referred To:	Not reported
Reported to Dept:	1998-02-10
CID:	211
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	2000-03-10
Cleanup Meets Std:	False
Last Inspection:	Not reported

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	1998-02-10
Spill Record Last Update:	2015-04-08
Spiller Name:	SUSAN SHEPLEY
Spiller Company:	RYDER TRUCK
Spiller Address:	ERIE BLVD
Spiller Company:	001
Contact Name:	SUSAN SHEPLEY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CHRISTENSEN See Edocs; PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 7/20/98 - RECEIVED CLOSURE REPORT FOR THE REMOVAL OF 2/12K USTs, 3-6K USTs. 40 YDS OF CONTAMINATED SOIL WAS STOCKPILED AND SAMPLED. IT WAS REMOVED TO EMSI AT FORT EDWARD FOR REMEDIATION. SOILS REMOVED FOR THE INSTALLATION OF 2-20K USTs WAS ALSO SAMPLED AND TAKED TO ESMI. CLOSURE REPORT SHOWS SOIL AND GROUNDWATER CONTAMINATION REMAINING AT SIGNIFICANT LEVALS. AN INVESTIGATORY WORK PLAN WILL BE SUBMITTED TO RYDER BY JULY 31 FOR THEIR REVIEW AND APPROVAL. IT WILL THEN BE SUBMITTED TO THE DEPARTMENT FOR OUR REVIEW AND COMMENTS. 12/07/98 - GEOLOGIC SERVICES IS PREPARING A SITE INVESTIGATION REPORT AS OUTLINED IN THEIR WORK PLAN OF SEPTEMBER 22, 1998. 5 M/W WERE INSTALLED AND WILL BE GAUGED,SAMPLED AND A SURVAY DONE BY 12/2/98. THE SITE INVESTIGATION REPORT WILL BE READY MID JANUARY 99. 9/29/99 - Quarterly report received for June 99. M/W's 3 & 6 exhibited up to 10 detectable concertrations of contaminants above standards. 3/10/00 - A review of the latest report shows g/w contamination continues to decrease. Based on the analytical results over the past 2 years, the Department is closing this spill with the notation it does not meet NYS Groundwater Standards. See Edocs. 5/17/00 - Received confirmation that all wells have been abandoned in-place by filling the well with a bentonite/grout slurry and capping the road box flush with existing grade with approximately one foot of concrete. 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"CALLER IS DOING TESTS ON SITE AND HAS FOUND SOIL CONTAMINATION - PRODUCT IS EITHER DIESEL OR GAS - THERE IS A POSSIBILITY OF GROUNDWATER CONTAMINATION"

All Materials:

Site ID:	150020
Operable Unit ID:	1058804
Operable Unit:	01
Material ID:	327164
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Site ID:	150020
Operable Unit ID:	1058804

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Operable Unit:	01
Material ID:	327165
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9207815 / 1992-10-08
Facility ID:	9207815
Facility Type:	ER
DER Facility ID:	461106
Site ID:	150015
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	0101
Spill Date:	1992-10-05
Investigator:	wtchrist
Referred To:	Not reported
Reported to Dept:	1992-10-06
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1992-10-07
Cleanup Meets Std:	True
Last Inspection:	1992-10-07
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-10-07
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK RENTAL
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CHRISTENSEN PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"FOUND BROKEN LINE ON UGT. 10/7-WTC @ SITE, <1YD SOIL STOCKPILED PENDING TEST RESULTS, MAY BE USED WHEN NEW TANKS ARE INSTALLED."

All Materials:

Site ID:	150015
Operable Unit ID:	974608

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Operable Unit:	01
Material ID:	408428
Material Code:	0013
Material Name:	lube oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9407214 / 1994-09-19
Facility ID:	9407214
Facility Type:	ER
DER Facility ID:	461104
Site ID:	150017
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	0101
Spill Date:	1994-08-29
Investigator:	weblain
Referred To:	Not reported
Reported to Dept:	1994-08-29
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1994-08-30
Cleanup Meets Std:	True
Last Inspection:	1994-08-30
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-09-19
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK RENTAL
Spiller Address:	10 ERIE BLVD
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BLAIN PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"HOSE BROKE UNDER PRESSURE, US TECH CLEANING. 8/30,7:45-BLAIN @ SITE, U S TECH REMOVING CONT. SOIL FOR DISPOSAL. COMPLETE."

All Materials:

Site ID:	150017
Operable Unit ID:	1004646

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Operable Unit:	01
Material ID:	380229
Material Code:	0016A
Material Name:	non PCB oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Site ID:	150017
Operable Unit ID:	1004646
Operable Unit:	01
Material ID:	380228
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9502437 / 1995-06-20
Facility ID:	9502437
Facility Type:	ER
DER Facility ID:	461103
Site ID:	150018
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	0101
Spill Date:	1995-05-26
Investigator:	wtchrist
Referred To:	Not reported
Reported to Dept:	1995-05-26
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	1995-06-15
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	1995-06-05
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK
Spiller Address:	10 ERIE BLVD
Spiller Company:	001

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CHRISTENSEN PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"FOUND CONT. SOIL @ TANK PULL. SEE FOLDER FOR CLOSURE RPT."

All Materials:

Site ID:	150018
Operable Unit ID:	1013493
Operable Unit:	01
Material ID:	367488
Material Code:	0041B
Material Name:	toluol
Case No.:	00108883
Material FA:	Hazardous Material
Quantity:	.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9516743 / 1996-08-20
Facility ID:	9516743
Facility Type:	ER
DER Facility ID:	461110
Site ID:	150019
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	0101
Spill Date:	1996-02-07
Investigator:	wtchrist
Referred To:	Not reported
Reported to Dept:	1996-03-28
CID:	349
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	1996-08-20
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-03-28
Spill Record Last Update:	2015-04-08
Spiller Name:	JOE FUSCO
Spiller Company:	RYDER TRUCK RENTAL INC
Spiller Address:	10 ERIE BLVD
Spiller Company:	001
Contact Name:	JOE FUSCO

RYDER TRUCK RENTAL INC (Continued) **1000211492**

DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was CHRISTENSEN 6K UGT W/LINE LEAK, VALLEY Eq TO REPAIR 1st Wk IN APRIL, TO NOTIFY WTC WHEN WORK IS BEING DONE. 8/7/96 SPOKE WITH JEFF MARUTELLAR OF RYDER TRUCKING. LINE ABANDOND, SOIL REMOVED, REPORT TO BE SENT. 8/20/96 REPORT RECEIVED SITE CLOSED 8/20/96 PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"

Remarks: "LINE FAILED - CLEANED UP SCHEDULDED PENDING BIDS - SOIL REMOVAL"

All Materials:

Site ID:	150019
Operable Unit ID:	1031290
Operable Unit:	01
Material ID:	353258
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	8804273 / 1988-08-31
Facility ID:	8804273
Facility Type:	ER
DER Facility ID:	461104
Site ID:	150011
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	1988-08-15
Investigator:	MCDONALD
Referred To:	Not reported
Reported to Dept:	1988-08-15
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1988-08-15
Cleanup Meets Std:	True
Last Inspection:	1988-08-15
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1988-08-31
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK RENTAL

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Spiller Address: Not reported
Spiller Company: 999
Contact Name: Not reported
DEC Memo: "PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks: "SPILL WHILE FILLING TRUCK CONTAINED ON PAVEMENT, USING SORBENTS TO CLEAN. MCDONALD TALKED TO TROMBLEY, WILL CLEAN UP AND DISPOSE, NO FURTHER PROBLEMS. NO DEC INSPECTION."

All TTF:
Facility ID: 8804273
Spill Number: 8804273
Spill Tank Test: 1534451
Site ID: 150011
Tank Number: Not reported
Tank Size: 0
Material: 0008
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 00
Test Method 2: Unknown
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 150011
Operable Unit ID: 919282
Operable Unit: 01
Material ID: 456226
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 20.00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: RYDER TRUCK ERIE BLVD
Address: 10 ERIE BLVD
City,State,Zip: ALBANY, NY
Spill Number/Closed Date: 8901422 / 1989-05-12
Facility ID: 8901422
Facility Type: ER
DER Facility ID: 461103
Site ID: 150013
DEC Region: 4
Spill Cause: Equipment Failure

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Spill Class:	B3
SWIS:	0101
Spill Date:	1989-05-12
Investigator:	MCDONALD
Referred To:	Not reported
Reported to Dept:	1989-05-12
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1989-05-12
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1989-05-17
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK RENTAL
Spiller Address:	10 ERIE BLVD
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"LINE LEAK. OIL ON WATER IN EXCAVATION. USING SORBENT PADS, PUMPING OIL, WATER INTO 55GAL. DRUMS. BELIEVE ADJACENT EXCAVATION CAUSED LEAK. EOI HIRED TO PUMP FUEL OIL OUT OF HOLE. CLEAN-UP SATISFACTORY"

All Materials:

Site ID:	150013
Operable Unit ID:	927549
Operable Unit:	01
Material ID:	449170
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Click this hyperlink while viewing on your computer to access additional NY SPILL: detail in the EDR Site Report.

NY MANIFEST:

Name:	RYDER TRUCK RENTAL INC
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY 12204-2514
Country:	USA
EPA ID:	NYD046877080

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Facility Status:	Not reported
Location Address 1:	10 ERIE BLVD STE 2
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	ALBANY
Location State:	NY
Location Zip:	12204
Location Zip 4:	2517

NY MANIFEST:

EPAID:	NYD046877080
Mailing Name:	RYDER TRUCK RENTAL INC
Mailing Contact:	RYDER TRUCK RENTAL INC
Mailing Address 1:	10 ERIE BLVD STE 2
Mailing Address 2:	Not reported
Mailing City:	ALBANY
Mailing State:	NY
Mailing Zip:	12204
Mailing Zip 4:	2517
Mailing Country:	USA
Mailing Phone:	5184269715

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	MAD039322250
Generator Ship Date:	12/15/2015
Trans1 Recv Date:	12/15/2015
Trans2 Recv Date:	12/15/2015
TSD Site Recv Date:	12/31/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD046877080
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	KYD053348108
TSDF ID 2:	Not reported
Manifest Tracking Number:	005097510SKS
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H061
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	700
Units:	P - Pounds
Number of Containers:	5
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	D008
Waste Code 1_3:	D018
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Name:	NIAGARA MOHAWK A NATIONAL GRID CO
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY 12204
Country:	USA
EPA ID:	NYP000971853
Facility Status:	Not reported
Location Address 1:	10 ERIE BLVD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	ALBANY
Location State:	NY
Location Zip:	12204
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP000971853
Mailing Name:	NIAGARA MOHAWK A NATIONAL GRID CO
Mailing Contact:	NATIONAL GRID
Mailing Address 1:	1125 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	ALBANY
Mailing State:	NY
Mailing Zip:	12201
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	5184333696

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYR000115733
Trans2 State ID:	Not reported
Generator Ship Date:	07/20/2015
Trans1 Recv Date:	07/20/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/21/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Generator EPA ID:	NYP000971853
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049836679
TSDF ID 2:	Not reported
Manifest Tracking Number:	001505738FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H132
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	450
Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access
3 additional NY MANIFEST: record(s) in the EDR Site Report.

22
NW
1/2-1
0.648 mi.
3419 ft.

SIMMONS MACHINE AND TOOL, INC **FUSRAP** **1016603377**
1000 NORTH BROADWAY **N/A**
ALBANY, NY

Relative:
Lower

Actual:
29 ft.

FUSRAP:

Site Name:	SIMMONS MACHINE AND TOOL, INC
Site Id:	NY.35
Site Status:	Eliminated from consideration under FUSRAP
Designated Name:	Not Designated
Alternate Name:	None
Location Street Address:	1000 NORTH BROADWAY
Location City:	ALBANY
Location State:	NY
Location County:	Not reported
Evaluation Year:	1987
Site Oprerations:	Tested equipment and machined uranium to test the equipment (one time

SIMMONS MACHINE AND TOOL, INC (Continued) **1016603377**

event).

Site Disposition:	Eliminated - Potential for contamination considered remote due to limited scope and duration of activity performed at the site
Radioactice Materials Handled:	Yes
Primary Radioactivce Materials Handled:	Uranium
Radiological Survey(S):	None Indicated
Long Term Care Requirements:	Not reported
Historical Operations:	Not reported
Website URL:	www.lm.doe.gov/Considered_Sites/Simmons_Machine_and_Tool_Inc_-_NY_35.aspx

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23 WNW 1/2-1 0.670 mi. 3535 ft.

Relative: Higher

Actual: 32 ft.

C & F PLATING NYSDEC SITE 401057
406 N PEARL ST
ALBANY, NY 12207

SEMS 1000127925
RCRA-LQG NYD002077444
NY SHWS
NY Spills
NJ MANIFEST
NY MANIFEST

SEMS:

Site ID:	0204500
EPA ID:	NYD002077444
Name:	C & F PLATING CO INC
Address:	406 NORTH PEARL STREET
Address 2:	Not reported
City,State,Zip:	ALBANY, NY 12207
Cong District:	21
FIPS Code:	36001
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

SEMS Detail:

Region:	02
Site ID:	0204500
EPA ID:	NYD002077444
Site Name:	C & F PLATING CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	2003-05-27 04:00:00
Finish Date:	9/9/2003 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0204500
EPA ID:	NYD002077444
Site Name:	C & F PLATING CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

SEQ:	1
Start Date:	2003-11-03 05:00:00
Finish Date:	7/20/2004 4:00:00 AM
Qual:	C
Current Action Lead:	EPA Perf

RCRA-LQG:

Date Form Received by Agency:	2016-06-03 00:00:00.0
Handler Name:	C & F PLATING NYSDEC SITE 401057
Handler Address:	406 N PEARL ST
Handler City,State,Zip:	ALBANY, NY 12207
EPA ID:	NYD002077444
Contact Name:	MIKE MASON
Contact Address:	BROADWAY
Contact City,State,Zip:	ALBANY, NY 12233
Contact Telephone:	518-402-9613
Contact Fax:	Not reported
Contact Email:	MICHAEL.MASON@DEC.NY.GOV
Contact Title:	PROJECT MANAGER
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2015
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R4
Mailing Address:	WOODBRIDGE AVE
Mailing City,State,Zip:	EDISON, NJ 08837
Owner Name:	C & F PLATING
Owner Type:	Private
Operator Name:	NYSDEC
Operator Type:	State
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2016-11-07 13:10:02.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	Not reported

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D006
Waste Description: CADMIUM

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste Code: F007
Waste Description: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	OWNERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NYSDEC
Legal Status:	State
Date Became Current:	2015-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	625 BROADWAY
Owner/Operator City,State,Zip:	ALBANY, NY 12233
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	OWNERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	C & F PLATING
Legal Status:	Private
Date Became Current:	1900-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	406 N PEARL ST
Owner/Operator City,State,Zip:	ALBANY, NY 12207
Owner/Operator Telephone:	518-402-9613
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	OWNERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999
Owner/Operator Telephone:	212-555-1212

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2016-06-03 00:00:00.0
Handler Name: C & F PLATING NYSDEC SITE 401057
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1999-07-08 00:00:00.0
Handler Name: C & F PLATING CO INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-02-12 00:00:00.0
Handler Name: MARIO LEPORE
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2006-01-01 00:00:00.0
Handler Name: MARIO LEPORE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Receive Date:	2007-01-01 00:00:00.0
Handler Name: MARIO LEPORE	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1980-08-15 00:00:00.0
Handler Name: C & F PLATING CO INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	332813
NAICS Description:	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2003-01-07 00:00:00.0
Actual Return to Compliance Date:	2004-05-20 00:00:00.0
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	2003-01-08 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	2004-05-20 00:00:00.0
Disposition Status:	DR
Disposition Status Description:	DROPPED
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	NYHBR
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Date Violation was Determined:	2003-01-07 00:00:00.0
Actual Return to Compliance Date:	2004-05-20 00:00:00.0
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Date Violation was Determined:	2003-01-07 00:00:00.0
Actual Return to Compliance Date:	2004-05-20 00:00:00.0
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	2003-05-30 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	4-20030317-32
Enforcement Attorney:	SH
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	2004-05-20 00:00:00.0
Disposition Status:	DR
Disposition Status Description:	DROPPED
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	ATYSH
Enforcement Responsible Sub-Organization:	CO
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2003-01-07 00:00:00.0
Actual Return to Compliance Date:	2004-05-20 00:00:00.0
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	2003-11-12 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	4-20030317-32
Enforcement Attorney:	SH
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	2004-05-20 00:00:00.0
Disposition Status:	DR
Disposition Status Description:	DROPPED
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: ATYSH
Enforcement Responsible Sub-Organization: CO
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 35000
Paid Amount: Not reported
Final Count: 1
Final Amount: 35000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 2003-01-07 00:00:00.0
Actual Return to Compliance Date: 2004-05-20 00:00:00.0
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 2003-08-20 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: 4-20030317-32
Enforcement Attorney: SH
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: 2004-05-20 00:00:00.0
Disposition Status: DR
Disposition Status Description: DROPPED
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: ATYSH
Enforcement Responsible Sub-Organization: CO
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 2003-01-07 00:00:00.0
Evaluation Responsible Agency: State

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2004-05-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1999-12-16 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2MD
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2003-01-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2004-05-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2003-05-22 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	NYBKP
Evaluation Responsible Sub-Organization:	CO
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1985-08-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2003-01-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2004-05-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1998-03-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDVO
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2004-05-24 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	NYBKP
Evaluation Responsible Sub-Organization:	CO
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1989-12-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Evaluation Date:	2003-01-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2004-05-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2003-01-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2004-05-20 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

SHWS:

Name:	C AND F PLATING
Address:	406 N. PEARL ST.
City,State,Zip:	ALBANY, NY 12207
Program:	HW
Site Code:	415349
Classification:	Significant threat to the public health or environment - action required.
Region:	4
Acres:	0.340
HW Code:	401057
Record Add:	06/19/2009
Record Upd:	10/28/2020
Updated By:	SKSAUCIE
Site Description:	"Location: The site is an approximately 0.34-acre parcel located at 406 North Pearl Street in the City of Albany, Albany County, New York. The site is bound by the Patroon Creek to the North, a heating and cooling company to the west, and a commercial/industrial building to the east. The site is located in a mixed commercial/industrial section of Albany Site Features: The site consists of a generally flat lot. The surface of the site is asphalt, concrete, or gravel. The site and surrounding area is located at approximately 30 feet above mean sea level. Access to the site is restricted through the adjacent property, 404 North Pearl Street. Current Zoning and Land Use: The site is zoned commercial/industrial, and is currently used as a parking lot for Family Danz, located at 404 North Pearl Street. The surrounding parcels are currently used for a combination of commercial and light industrial uses. Past Use of the Site: Until 1985 the site was used as an auto repair shop, metal working facility, and a machine shop. Prior uses that appear to have led to

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

site contamination include metal plating and improper storage of materials. On June 27, 2003, the EPA conducted a Removal Site Evaluation which included a limited inventory of over 40 containers and several vats. Labeling on these materials indicated the presence of strong acids and bases including containers of chromic acid, sodium hydroxide, and zinc solutions. The EPA conducted an emergency removal of 2,000 gallons of hazardous waste at the site between November 3, 2003 and July 20, 2004, effectively removing all waste materials stored in drums, canisters, and vats existing on the site. Between June 2014 and November 2015 NYSDEC conducted remedial activities including asbestos-containing material abatement and building demolition, excavation of debris from the basement of the former building, removal of drums of hazardous materials encountered during building demolition, and stabilization of Patroon Creek with a permanent retaining wall. Site Geology/Hydrogeology: The site is located within the Hudson Mohawk Lowland Physiographic Province. The overburden soils in the surrounding area have been characterized as lacustrine sand, which are composed of well sorted, stratified sand deposits, or lacustrine silt and clay, which are composed of generally laminated silt and clay (Cadwell et al, 1987). The bedrock geology identified in the vicinity of the property is the Normanskill Shale, which is of Middle Ordovician origin. Subsurface soils encountered at the site were generally composed of silty sand, silt, silty clay and some gravel. Groundwater is approximately 8 feet below grade and generally flows southeast toward the Patroon Creek. "

Env Problem: "Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were cadmium, chromium, copper, lead, mercury, zinc, barium, and nickel in the surface and subsurface soils. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan."

Health Problem: "Public access to the site is restricted by fencing on three sides of the site and Patroon Creek on the fourth side. However, persons who enter the site could contact contaminants in the soil by walking on the soil, digging, or otherwise disturbing the soil. Contaminated groundwater at the site is not used for drinking or other purposes, and the site is served by a public water supply that obtains water from a different source not affected by this contamination."

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-19 15:25:00
Record Upd: 2012-10-18 11:25:00
Updated By: ldennist
Own Op: 1
Sub Type: 05
Owner Name: Todd Danz
Owner Company: DANZ Holdings, LLC
Owner Address: 404 North Pearl Street
Owner Addr2: Not reported
Owner City,St,Zip: Albany, NY 12207

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Librarian
Owner Company: Albany Public Library
Owner Address: 616 North Pearl Street
Owner Addr2: Not reported
Owner City,St,Zip: Albany, NY 12204
Owner Country: United States of America
HW Code: 401057
Waste Type: ZINC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: CHROMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: CADMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: NICKEL
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 0209561
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2009-06-19 09:13:00
Record Updated: 2009-06-19 09:16:00
Updated By: MOBARRIE

SPILLS:
Name: C&F PLATING N. PEARL ST
Address: 406 N. PEARL ST
City,State,Zip: ALBANY, NY
Spill Number/Closed Date: 0209561 / 2010-09-08
Facility ID: 0209561
Facility Type: ER
DER Facility ID: 182522
Site ID: 220656

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

DEC Region:	4
Spill Cause:	Abandoned Drums
Spill Class:	B2
SWIS:	0101
Spill Date:	2002-12-11
Investigator:	BXBROWN
Referred To:	Not reported
Reported to Dept:	2002-12-17
CID:	211
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-12-17
Spill Record Last Update:	2018-02-27
Spiller Name:	Not reported
Spiller Company:	BELIUS BERNABE
Spiller Address:	P.O. BOX 827
Spiller Company:	999
Contact Name:	MARIO LEPORE
DEC Memo:	"See file (Edocs). HW 401057 [COMPUTER SEARCH FINDS AAAAAA ALL AROUND SERVICES - WE DO EVERYTHING LISTED AT 406 N. PEARL, 477-7562 (UNDER HEALTH & FITNESS, HOUSE CLEANING, PERSONAL SERV., REMODELING, & SWIMMING POOLS - !).] 1/02/2003 Letter to owner Mario Lepore from DHSM regarding hazardous waste violations. 2/10/2003 Followup letter 4/18/2003 DER letter requesting cleanup. 5/14/2003 Joint site investigation with BECI,DHSM, Optech Lepore ,realtors, and EPA. Optech estimates costs to exceed 100,000 5/15/2003 DEC letter to Lepore advising that EPA or DEC will perform cleanup. 5/27/2003 DER referral to EPA 5/30/2003 DHSM Attorney Hamilton sends legal notice to Lepore 8/20/2003 Motion for default 9/17/2003 EPA recommendation for Cercla removal action. 10/17/2003 Site visit with Carl Pellogrino (EPA) and DER program staff (DF,RR, JZ,MJ) 11/0?/2003 EPA removal action started 2/05/2004 Final shipment of materials. 11/10/2004 EPA pollution report. Spent ~ 110,000. Sampling shows residual contamination in dust. ~6/2005 DHSM continuing legal with AG. 6/16/2005 discussion with Mike Sterhaus (atty for Danz) and Dan Geraghty .Danz still interested 6/24/2005 Discussion with AC attorney Mike Lynch. County not prepared to proceed with ERP. Too many unknowns. T Danz had offered County $ for site but not completed because of similar concerns. 11/02/05 Met with County, Gary Rutnik, Jeff Neal , Mike Sterthaus and Mary von Wergers. County not interested in ERP. Hired PES to perform site investigation 12/21/05 Agreed to 30 day extension of work plan submittal to 2/01/06 9/29/06 Steve Phelps answers that field work to start Tuesday but unable to perform sediment analysis. 11/07/06 Fieldwork mostly complete. Property may have been purchased at auction. 7/27/2007 Report under review. Meeting with new property owner planned. 3/13/08 Issued PRP notice letter to current owner, Mr. Bernabe, requesting a RI work plan to address the site and instructions to contact me with his intent by 4/11/08. 3/25/08 Received call from Mr. Bernabe citing numerous issues and requesting more time to decide how he intends to

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

proceed. Granted to 4/22 with advice given to contact an attorney and environmental consultant before that time to make an informed decision. 1/9/09 Mr. Bernabe did not respond to notice letter. Therefore an Order on Consent citing violations to Article 17 was sent to him on this date. 9/8/10 A response was never received from Mr. Bernabe, therefore the site was designated a P site on the registry on 6/19/09. Spill is closed not meeting standards - will be completed in the haz waste program (HW401057) as appropriate. 11/7/11 - FOIL 11/340, Edoc CD"

Remarks: "CONSULTANT CONDUCTING SITE INVESTIGATION FOR ADJACENT PROPERTY OWNER PURCHASE FOUND A NUMBER OF CONTAINERS POTENTIALLY CONTAINING HAZ MAT - PREVIOUS SITE INVESTIGATIONS BY HAZ MATERIALS INDICATED SITE CLOSED WITHIN PROGRAM STANDARDS SEVERAL YEARS AGO DEC CONROY INVESTIGATING"

All Materials:

Site ID:	220656
Operable Unit ID:	862785
Operable Unit:	01
Material ID:	512981
Material Code:	0063A
Material Name:	unknown hazardous material
Case No.:	Not reported
Material FA:	Hazardous Material
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	C&F PLATING N. PEARL ST
Address:	406 N. PEARL ST
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	0209561 / 2010-09-08
Facility ID:	0209561
Facility Type:	ER
DER Facility ID:	182522
Site ID:	220656
DEC Region:	4
Spill Cause:	Abandoned Drums
Spill Class:	B2
SWIS:	0101
Spill Date:	2002-12-11
Investigator:	BXBROWN
Referred To:	Not reported
Reported to Dept:	2002-12-17
CID:	211
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-12-17
Spill Record Last Update:	2018-02-27
Spiller Name:	Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Spiller Company: MARIO LEPORE
Spiller Address: LUTHER RD
Spiller Company: 001
Contact Name: MARIO LEPORE
DEC Memo: "See file (Edocs). HW 401057 [COMPUTER SEARCH FINDS AAAAAA ALL AROUND SERVICES - WE DO EVERYTHING LISTED AT 406 N. PEARL, 477-7562 (UNDER HEALTH & FITNESS, HOUSE CLEANING, PERSONAL SERV., REMODELING, & SWIMMING POOLS - !).] 1/02/2003 Letter to owner Mario Lepore from DHSM regarding hazardous waste violations. 2/10/2003 Followup letter 4/18/2003 DER letter requesting cleanup. 5/14/2003 Joint site investigation with BECI,DHSM, Optech Lepore ,realtors, and EPA. Optech estimates costs to exceed 100,000 5/15/2003 DEC letter to Lepore advising that EPA or DEC will perform cleanup. 5/27/2003 DER referral to EPA 5/30/2003 DHSM Attorney Hamilton sends legal notice to Lepore 8/20/2003 Motion for default 9/17/2003 EPA recommendation for Cercla removal action. 10/17/2003 Site visit with Carl Pellogrino (EPA) and DER program staff (DF,RR, JZ,MJ) 11/0?/2003 EPA removal action started 2/05/2004 Final shipment of materials. 11/10/2004 EPA pollution report. Spent ~ 110,000. Sampling shows residual contamination in dust. ~6/2005 DHSM continuing legal with AG. 6/16/2005 discussion with Mike Sterhaus (atty for Danz) and Dan Geraghty .Danz still interested 6/24/2005 Discussion with AC attorney Mike Lynch. County not prepared to proceed with ERP. Too many unknowns. T Danz had offered County $ for site but not completed because of similar concerns. 11/02/05 Met with County, Gary Rutnik, Jeff Neal , Mike Sterthaus and Mary von Wergers. County not interested in ERP. Hired PES to perform site investigation 12/21/05 Agreed to 30 day extension of work plan submittal to 2/01/06 9/29/06 Steve Phelps answers that field work to start Tuesday but unable to perform sediment analysis. 11/07/06 Fieldwork mostly complete. Property may have been purchased at auction. 7/27/2007 Report under review. Meeting with new property owner planned. 3/13/08 Issued PRP notice letter to current owner, Mr. Bernabe, requesting a RI work plan to address the site and instructions to contact me with his intent by 4/11/08. 3/25/08 Received call from Mr. Bernabe citing numerous issues and requesting more time to decide how he intends to proceed. Granted to 4/22 with advice given to contact an attorney and environmental consultant before that time to make an informed decision. 1/9/09 Mr. Bernabe did not respond to notice letter. Therefore an Order on Consent citing violations to Article 17 was sent to him on this date. 9/8/10 A response was never received from Mr. Bernabe, therefore the site was designated a P site on the registry on 6/19/09. Spill is closed not meeting standards - will be completed in the haz waste program (HW401057) as appropriate. 11/7/11 - FOIL 11/340, Edoc CD"
Remarks: "CONSULTANT CONDUCTING SITE INVESTIGATION FOR ADJACENT PROPERTY OWNER PURCHASE FOUND A NUMBER OF CONTAINERS POTENTIALLY CONTAINING HAZ MAT - PREVIOUS SITE INVESTIGATIONS BY HAZ MATERIALS INDICATED SITE CLOSED WITHIN PROGRAM STANDARDS SEVERAL YEARS AGO DEC CONROY INVESTIGATING"

All Materials:
Site ID: 220656
Operable Unit ID: 862785
Operable Unit: 01
Material ID: 512981
Material Code: 0063A
Material Name: unknown hazardous material
Case No.: Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Material FA:	Hazardous Material
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

NJ MANIFEST:

EPA Id:	NYD002077444
Mail Address:	2890 WOODBRIDGE AVE
Mail City/State/Zip:	EDISON 08837
Facility Phone:	7323216794
Emergency Phone:	Not reported
Contact:	Not reported
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	NJA5051492
EPA ID:	NYD002077444
Date Shipped:	01/29/2004
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/29/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/29/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04200421
Was Load Rejected:	EDISON 08837
Reason Load Was Rejected:	Not reported

Manifest Number:	NJA5006689
EPA ID:	NYD002077444
Date Shipped:	01/29/2004
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/29/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/29/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04200421
Was Load Rejected:	EDISON 08837
Reason Load Was Rejected:	Not reported

NY MANIFEST:

Name:	C & F PLATING
Address:	406 N PEARL ST
City,State,Zip:	ALBANY, NY 12207-1312

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Country:	USA
EPA ID:	NYD002077444
Facility Status:	Not reported
Location Address 1:	406 N PEARL ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	ALBANY
Location State:	NY
Location Zip:	12207
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD002077444
Mailing Name:	C & F PLATING
Mailing Contact:	C & F PLATING
Mailing Address 1:	2890 WOODBRIDGE AVE
Mailing Address 2:	Not reported
Mailing City:	EDISON
Mailing State:	NJ
Mailing Zip:	08837
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7323216794

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NY0001031814
Trans2 State ID:	NJ0000027193
Generator Ship Date:	12/03/2014
Trans1 Recv Date:	12/03/2014
Trans2 Recv Date:	12/05/2014
TSD Site Recv Date:	12/08/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002077444
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	013285634JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported

C & F PLATING NYSDEC SITE 401057 (Continued) **1000127925**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D007
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	D002
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

E24 **NATIONAL GRID- N ALBANY SERVICE CENTER** **CORRACTS** **1000994204**
NNW **1125 BROADWAY** **RCRA-TSDF** **NYD000730408**
1/2-1 **ALBANY, NY 12204** **RCRA-LQG**
0.778 mi. **2020 COR ACTION**
4110 ft. **Site 1 of 3 in cluster E** **FTTS**
HIST FTTS

Relative:
Lower

Actual:
29 ft.

CORRACTS:

Name:	NATIONAL GRID- N ALBANY SERVICE CENTER
Address:	1125 BROADWAY
Address 2:	Not reported
EPA ID:	NYD000730408
Area Name:	SITEWIDE
Corrective Action:	CA050
Actual Date:	1995-01-12 00:00:00.0
Air Release Indicator:	Not reported
Groundwater Release Indicator:	Not reported
Soil Release Indicator:	Not reported
Surface Water Release Indicator:	Not reported

Name:	NATIONAL GRID- N ALBANY SERVICE CENTER
Address:	1125 BROADWAY
Address 2:	Not reported
EPA ID:	NYD000730408
Area Name:	SITEWIDE
Corrective Action:	CA070YE
Actual Date:	1995-01-12 00:00:00.0
Air Release Indicator:	Not reported
Groundwater Release Indicator:	Not reported
Soil Release Indicator:	Not reported
Surface Water Release Indicator:	Not reported

Name:	NATIONAL GRID- N ALBANY SERVICE CENTER
Address:	1125 BROADWAY
Address 2:	Not reported
EPA ID:	NYD000730408
Area Name:	SITEWIDE
Corrective Action:	CA075ME
Actual Date:	1995-03-24 00:00:00.0
Air Release Indicator:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID- N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: SITEWIDE
Corrective Action: CA225IN
Actual Date: 1996-06-12 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID- N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: CA050
Actual Date: 1995-09-12 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID- N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: CA070YE
Actual Date: 1995-09-12 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID- N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: CA100
Actual Date: 1996-02-14 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID- N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Corrective Action: CA110
Actual Date: 1996-04-01 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID- N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: CA140
Actual Date: 1996-06-13 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID- N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: CA150
Actual Date: 1996-08-27 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID- N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: CA180
Actual Date: 1996-09-23 00:00:00.0
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access
27 additional CORRACTS: record(s) in the EDR Site Report.

RCRA-LQG:
Date Form Received by Agency: 2018-02-28 00:00:00.0
Handler Name: NATIONAL GRID- N ALBANY SERVICE CENTER
Handler Address: 1125 BROADWAY
Handler City,State,Zip: ALBANY, NY 12204
EPA ID: NYD000730408
Contact Name: LEONARD M DELVECCHIO
Contact Address: ERIE BLVD W
Contact City,State,Zip: SYRACUSE, NY 13202
Contact Telephone: 315-428-6670
Contact Fax: 315-454-4467

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Contact Email:	LEONARD.DELVECCHIO@NATIONALGRID.COM
Contact Title:	ENVIRONMENTAL ANALYST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R4
Mailing Address:	ERIE BLVD W
Mailing City,State,Zip:	SYRACUSE, NY 13202
Owner Name:	NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Owner Type:	Private
Operator Name:	NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	Medium
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	No

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-11-06 18:35:53.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	Not reported

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Waste Description: REACTIVE WASTE

Waste Code: D005
Waste Description: BARIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D018
Waste Description: BENZENE

Waste Code: D019
Waste Description: CARBON TETRACHLORIDE

Waste Code: D027
Waste Description: 1,4-DICHLOROBENZENE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: NONE
Waste Description: Not Defined

Waste Code: U159
Waste Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP
Legal Status: Private
Date Became Current: 1979-12-31 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NATIONAL GRID
Legal Status: Private
Date Became Current: 1979-12-31 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD.W.
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK
Legal Status: Private
Date Became Current: 2002-01-31 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: ERIE BLVD
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Legal Status:	Private
Date Became Current:	2000-09-05 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	315-428-6685
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NIAGARA MOHAWK A NATIONAL GRID COMPANY
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202-4250
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NIAGARA MOHAWK
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK A NATIONAL GRID COMPANY
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD W

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Owner/Operator City,State,Zip:	SYRACUSE, NY 13202-4250
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NIAGARA MOHAWK
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NATIONAL GRID
Legal Status:	Private
Date Became Current:	1900-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NIAGARA MOHAWK POWER CORP
Legal Status:	Private
Date Became Current:	1900-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK POWER CORP
Legal Status:	Private

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W ENV A2
Owner/Operator City,State,Zip:	SYRACUSE, WY 13202-4250
Owner/Operator Telephone:	315-474-1511
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	OPERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NATIONAL GRID
Legal Status:	Private
Date Became Current:	1979-12-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NATIONAL GRID
Legal Status:	Private
Date Became Current:	1900-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Legal Status: Private
Date Became Current: 2000-09-05 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: 315-428-6685
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP
Legal Status: Private
Date Became Current: 1979-12-31 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP
Legal Status: Private
Date Became Current: 1900-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1988-09-29 00:00:00.0
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2010-03-01 00:00:00.0
Handler Name: NIAGARA MOHAWK N ALBANY SVC CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-03-28 00:00:00.0
Handler Name: NATIONAL GRID - NORTH ALBANY SERVICE CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2014-03-04 00:00:00.0
Handler Name: NATIONAL GRID N ALBANY SVC CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-02-24 00:00:00.0
Handler Name: NATIONAL GRID N ALBANY SVC CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2018-02-28 00:00:00.0
Handler Name: NATIONAL GRID- N ALBANY SERVICE CENTER
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Receive Date: 1999-07-29 00:00:00.0
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1991-04-01 00:00:00.0
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Not reported
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-01-07 00:00:00.0
Handler Name: NIAGRA MOHAWK - NO ALBANY SERVICE CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-01-06 00:00:00.0
Handler Name: NIAGRA MOHAWK - NO ALBANY SERVICE CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-01-06 00:00:00.0
Handler Name: NIAGRA MOHAWK - NO ALBANY SERVICE CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-15 00:00:00.0
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Not reported
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2001-01-17 00:00:00.0
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1992-02-28 00:00:00.0
Handler Name: NIAGARA MOHAWK POWER CORPORATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1994-03-15 00:00:00.0
Handler Name: NIAGARA MOHAWK POWER COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-03-15 00:00:00.0
Handler Name: NIAGARA MOHAWK POWER CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1998-02-20 00:00:00.0
Handler Name: NIAGARA MOHAWK POWER CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2001-01-01 00:00:00.0
Handler Name: NIAGARA MOHAWK POWER CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2002-02-25 00:00:00.0
Handler Name: N ALBANY SVC CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-02-23 00:00:00.0
Handler Name: NORTH ALBANY SCR-NIAGARA MOHAWK

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2006-03-09 00:00:00.0
Handler Name: NATIONAL GRID	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2008-03-03 00:00:00.0
Handler Name: N ALBANY SVC CTR	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	2211
NAICS Description:	ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION
NAICS Code:	22112
NAICS Description:	ELECTRIC POWER TRANSMISSION, CONTROL, AND DISTRIBUTION
NAICS Code:	221121
NAICS Description:	ELECTRIC BULK POWER TRANSMISSION AND CONTROL
NAICS Code:	221122
NAICS Description:	ELECTRIC POWER DISTRIBUTION
NAICS Code:	22121
NAICS Description:	NATURAL GAS DISTRIBUTION
NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1998-07-13 00:00:00.0
Actual Return to Compliance Date:	1998-09-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1998-08-13 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	1998-07-13 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NY
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	NYMRS
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1987-03-24 00:00:00.0
Actual Return to Compliance Date:	1987-04-14 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1987-04-24 00:00:00.0
Enforcement Identifier:	004
Date of Enforcement Action:	1987-03-24 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYDEC
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1990-08-31 00:00:00.0
Actual Return to Compliance Date: 1990-11-16 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1990-11-09 00:00:00.0
Enforcement Identifier: 006
Date of Enforcement Action: 1990-09-13 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYDEC
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1991-09-12 00:00:00.0
Actual Return to Compliance Date:	1993-01-04 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	000
Date of Enforcement Action:	1991-10-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	NYGJN
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	2500
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	2006-08-22 00:00:00.0
Actual Return to Compliance Date:	2006-08-24 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	017
Date of Enforcement Action:	2006-08-28 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYHBR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 2000-06-20 00:00:00.0
Actual Return to Compliance Date: 2000-08-30 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 2000-08-12 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 2000-07-12 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1991-09-12 00:00:00.0
Actual Return to Compliance Date:	1993-01-04 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1992-02-15 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	1992-02-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	NYGJN
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	2500
Paid Amount:	2500
Final Count:	1
Final Amount:	2500

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1997-09-10 00:00:00.0
Actual Return to Compliance Date: 1998-09-21 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 1997-09-22 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: NYCVR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 2000
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1984-07-31 00:00:00.0
Actual Return to Compliance Date:	1984-12-31 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1984-12-21 00:00:00.0
Enforcement Identifier:	001
Date of Enforcement Action:	1984-11-21 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	NYDEC
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1997-09-10 00:00:00.0
Actual Return to Compliance Date: 1998-09-21 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 1997-09-22 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: NYCVR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 2000
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2002-03-14 00:00:00.0
Actual Return to Compliance Date:	2002-04-25 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	2002-04-16 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	NYAET
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	2004-12-07 00:00:00.0
Actual Return to Compliance Date:	2004-12-07 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	2004-12-23 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYAET
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1997-09-10 00:00:00.0
Actual Return to Compliance Date: 1998-09-21 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1998-01-19 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1997-12-10 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NYIG
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: NYCVR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 2000
Paid Amount: 2000
Final Count: 1
Final Amount: 2000

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1997-09-10 00:00:00.0
Actual Return to Compliance Date:	1998-09-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1998-01-19 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	1997-12-10 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NYIG
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: NYCVR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 2000
Paid Amount: 2000
Final Count: 1
Final Amount: 2000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1999-12-03 00:00:00.0
Actual Return to Compliance Date: 1999-12-03 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 2000-01-17 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1999-12-17 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYCVR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1996-02-06 00:00:00.0
Actual Return to Compliance Date: 1996-08-12 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1996-02-06 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1996-02-06 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NYREG
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: NYHBR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 3000
Paid Amount: 3000
Final Count: 1
Final Amount: 3000

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 2006-08-22 00:00:00.0
Actual Return to Compliance Date: 2006-08-24 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 017
Date of Enforcement Action: 2006-08-28 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYHBR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 2006-08-22 00:00:00.0
Actual Return to Compliance Date: 2006-08-24 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 017
Date of Enforcement Action: 2006-08-28 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYHBR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1994-04-13 00:00:00.0
Actual Return to Compliance Date:	1994-06-06 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1994-05-13 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	1994-04-13 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NY
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYGJN
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1987-07-10 00:00:00.0
Actual Return to Compliance Date: 1988-03-30 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1988-01-24 00:00:00.0
Enforcement Identifier: 005
Date of Enforcement Action: 1987-12-24 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: NYDEC
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1985-07-05 00:00:00.0
Actual Return to Compliance Date:	1985-11-12 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1985-10-05 00:00:00.0
Enforcement Identifier:	002
Date of Enforcement Action:	1985-09-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	NYDEC
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2004-12-07 00:00:00.0
Actual Return to Compliance Date:	2004-12-08 00:00:00.0
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	2004-12-23 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	NYAET
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Manifest/Records/Reporting
Date Violation was Determined:	2000-06-20 00:00:00.0
Actual Return to Compliance Date:	2000-08-30 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	2000-08-12 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	2000-07-12 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NY
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 1998-06-24 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYMRS
Evaluation Responsible Sub-Organization: R4
Actual Return to Compliance Date: 1998-09-21 00:00:00.0
Scheduled Compliance Date: 1998-08-13 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1987-03-24 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: NYDEC
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1987-04-14 00:00:00.0
Scheduled Compliance Date: 1987-04-24 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1990-08-31 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYDEC
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1990-11-16 00:00:00.0
Scheduled Compliance Date: 1990-11-09 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Former Citation:	Not reported
Evaluation Date:	1991-08-15 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1993-01-04 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2006-08-22 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2006-08-24 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2000-06-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2000-08-30 00:00:00.0
Scheduled Compliance Date:	2000-08-12 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-08-15 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1993-01-04 00:00:00.0
Scheduled Compliance Date:	1992-02-15 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1996-06-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYBKP
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1998-06-24 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYMRS
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1998-09-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1984-07-31 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1984-12-31 00:00:00.0
Scheduled Compliance Date:	1984-12-21 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2008-08-28 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2LG
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1998-09-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-09-12 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2004-10-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	NYAPR
Evaluation Responsible Sub-Organization:	CO
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1997-06-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYCVR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1998-09-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2002-03-14 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYAET
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2002-04-25 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Evaluation Date:	2004-12-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYAET
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2004-12-07 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1997-06-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYCVR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1998-09-21 00:00:00.0
Scheduled Compliance Date:	1998-01-19 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1987-10-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1998-06-24 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYMRS
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1998-09-21 00:00:00.0
Scheduled Compliance Date:	1998-01-19 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1999-12-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYCVR

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1999-12-03 00:00:00.0
Scheduled Compliance Date:	2000-01-17 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1986-06-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2014-03-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYJHK
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1995-06-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1996-08-12 00:00:00.0
Scheduled Compliance Date:	1996-02-06 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1989-09-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1997-06-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2006-08-22 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2006-08-24 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1988-09-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1992-12-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2006-08-22 00:00:00.0
Evaluation Responsible Agency:	State

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2006-08-24 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2009-09-18 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1994-03-16 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1994-06-06 00:00:00.0
Scheduled Compliance Date:	1994-05-13 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1987-07-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-03-30 00:00:00.0
Scheduled Compliance Date:	1988-01-24 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1985-07-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1985-11-12 00:00:00.0

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date:	1985-10-05 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2017-06-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1993-01-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2004-12-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYAET
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2004-12-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2000-06-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2000-08-30 00:00:00.0
Scheduled Compliance Date:	2000-08-12 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

RCRA-LQG:

Date Form Received by Agency:	2018-02-28 00:00:00.0
Handler Name:	NATIONAL GRID- N ALBANY SERVICE CENTER
Handler Address:	1125 BROADWAY
Handler City,State,Zip:	ALBANY, NY 12204
EPA ID:	NYD000730408
Contact Name:	LEONARD M DELVECCHIO
Contact Address:	ERIE BLVD W
Contact City,State,Zip:	SYRACUSE, NY 13202
Contact Telephone:	315-428-6670
Contact Fax:	315-454-4467
Contact Email:	LEONARD.DELVECCHIO@NATIONALGRID.COM
Contact Title:	ENVIRONMENTAL ANALYST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R4
Mailing Address:	ERIE BLVD W
Mailing City,State,Zip:	SYRACUSE, NY 13202
Owner Name:	NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Owner Type:	Private
Operator Name:	NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	Medium
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	No
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-11-06 18:35:53.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	Not reported

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D019
Waste Description:	CARBON TETRACHLORIDE
Waste Code:	D027
Waste Description:	1,4-DICHLOROBENZENE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE
Waste Code:	F001
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: NONE
Waste Description: Not Defined

Waste Code: U159
Waste Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP
Legal Status: Private
Date Became Current: 1979-12-31 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NATIONAL GRID
Legal Status: Private
Date Became Current: 1979-12-31 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD.W.
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NIAGARA MOHAWK
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Legal Status:	Private
Date Became Current:	2000-09-05 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	315-428-6685
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NIAGARA MOHAWK A NATIONAL GRID COMPANY
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202-4250
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NIAGARA MOHAWK
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK A NATIONAL GRID COMPANY
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202-4250
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NIAGARA MOHAWK
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NATIONAL GRID
Legal Status:	Private
Date Became Current:	1900-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NIAGARA MOHAWK POWER CORP
Legal Status:	Private
Date Became Current:	1900-01-01 00:00:00.

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK POWER CORP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W ENV A2
Owner/Operator City,State,Zip:	SYRACUSE, WY 13202-4250
Owner/Operator Telephone:	315-474-1511
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK
Legal Status:	Private
Date Became Current:	2002-01-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	OPERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NATIONAL GRID
Legal Status:	Private
Date Became Current:	1979-12-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Owner/Operator Name: NATIONAL GRID
Legal Status: Private
Date Became Current: 1900-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Legal Status: Private
Date Became Current: 2000-09-05 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: 315-428-6685
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP
Legal Status: Private
Date Became Current: 1979-12-31 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP
Legal Status: Private
Date Became Current: 1900-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1988-09-29 00:00:00.0
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2010-03-01 00:00:00.0
Handler Name: NIAGARA MOHAWK N ALBANY SVC CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2012-03-28 00:00:00.0
Handler Name: NATIONAL GRID - NORTH ALBANY SERVICE CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2014-03-04 00:00:00.0
Handler Name: NATIONAL GRID N ALBANY SVC CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-02-24 00:00:00.0
Handler Name: NATIONAL GRID N ALBANY SVC CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2018-02-28 00:00:00.0

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Handler Name: NATIONAL GRID- N ALBANY SERVICE CENTER
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 1999-07-29 00:00:00.0
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1991-04-01 00:00:00.0
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Not reported
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-01-07 00:00:00.0
Handler Name: NIAGRA MOHAWK - NO ALBANY SERVICE CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-01-06 00:00:00.0
Handler Name: NIAGRA MOHAWK - NO ALBANY SERVICE CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-01-06 00:00:00.0
Handler Name: NIAGRA MOHAWK - NO ALBANY SERVICE CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-15 00:00:00.0
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Not reported
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2001-01-17 00:00:00.0
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1992-02-28 00:00:00.0
Handler Name: NIAGARA MOHAWK POWER CORPORATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Electronic Manifest Broker: Not reported

Receive Date: 1994-03-15 00:00:00.0
Handler Name: NIAGARA MOHAWK POWER COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-03-15 00:00:00.0
Handler Name: NIAGARA MOHAWK POWER CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1998-02-20 00:00:00.0
Handler Name: NIAGARA MOHAWK POWER CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2001-01-01 00:00:00.0
Handler Name: NIAGARA MOHAWK POWER CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2002-02-25 00:00:00.0
Handler Name: N ALBANY SVC CTR
Federal Waste Generator Description: Large Quantity Generator

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-02-23 00:00:00.0
Handler Name: NORTH ALBANY SCR-NIAGARA MOHAWK
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2006-03-09 00:00:00.0
Handler Name: NATIONAL GRID
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2008-03-03 00:00:00.0
Handler Name: N ALBANY SVC CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 2211
NAICS Description: ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

NAICS Code: 22112
NAICS Description: ELECTRIC POWER TRANSMISSION, CONTROL, AND DISTRIBUTION

NAICS Code: 221121

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

NAICS Description: ELECTRIC BULK POWER TRANSMISSION AND CONTROL

NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

NAICS Code: 22121
NAICS Description: NATURAL GAS DISTRIBUTION

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	1998-07-13 00:00:00.0
Actual Return to Compliance Date:	1998-09-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1998-08-13 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	1998-07-13 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NY
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	NYMRS
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1987-03-24 00:00:00.0
Actual Return to Compliance Date:	1987-04-14 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date: 1987-04-24 00:00:00.0
Enforcement Identifier: 004
Date of Enforcement Action: 1987-03-24 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYDEC
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1990-08-31 00:00:00.0
Actual Return to Compliance Date: 1990-11-16 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1990-11-09 00:00:00.0
Enforcement Identifier: 006
Date of Enforcement Action: 1990-09-13 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYDEC
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1991-09-12 00:00:00.0
Actual Return to Compliance Date: 1993-01-04 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 1991-10-05 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: NYGJN
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 2500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 2006-08-22 00:00:00.0
Actual Return to Compliance Date: 2006-08-24 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date:	Not reported
Enforcement Identifier:	017
Date of Enforcement Action:	2006-08-28 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	NYHBR
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	2000-06-20 00:00:00.0
Actual Return to Compliance Date:	2000-08-30 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	2000-08-12 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	2000-07-12 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NY
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1991-09-12 00:00:00.0
Actual Return to Compliance Date:	1993-01-04 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1992-02-15 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	1992-02-07 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	NYGJN
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	2500
Paid Amount:	2500
Final Count:	1
Final Amount:	2500
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1997-09-10 00:00:00.0
Actual Return to Compliance Date: 1998-09-21 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 1997-09-22 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: NYCVR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 2000
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1984-07-31 00:00:00.0
Actual Return to Compliance Date: 1984-12-31 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1984-12-21 00:00:00.0
Enforcement Identifier: 001
Date of Enforcement Action: 1984-11-21 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYDEC
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1997-09-10 00:00:00.0
Actual Return to Compliance Date:	1998-09-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	000
Date of Enforcement Action:	1997-09-22 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NY
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	NYCVR
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 2000
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 2002-03-14 00:00:00.0
Actual Return to Compliance Date: 2002-04-25 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 2002-04-16 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYAET
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 2004-12-07 00:00:00.0
Actual Return to Compliance Date: 2004-12-07 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 2004-12-23 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYAET
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1997-09-10 00:00:00.0
Actual Return to Compliance Date: 1998-09-21 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1998-01-19 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1997-12-10 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NYIG
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: NYCVR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	2000
Paid Amount:	2000
Final Count:	1
Final Amount:	2000
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	1997-09-10 00:00:00.0
Actual Return to Compliance Date:	1998-09-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date: 1998-01-19 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1997-12-10 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NYIG
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: NYCVR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 2000
Paid Amount: 2000
Final Count: 1
Final Amount: 2000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1999-12-03 00:00:00.0
Actual Return to Compliance Date: 1999-12-03 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 2000-01-17 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1999-12-17 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYCVR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1996-02-06 00:00:00.0
Actual Return to Compliance Date: 1996-08-12 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1996-02-06 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1996-02-06 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NYREG
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: NYHBR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 2006-08-22 00:00:00.0
Actual Return to Compliance Date: 2006-08-24 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 017
Date of Enforcement Action: 2006-08-28 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYHBR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 2006-08-22 00:00:00.0
Actual Return to Compliance Date: 2006-08-24 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 017
Date of Enforcement Action: 2006-08-28 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYHBR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 1994-04-13 00:00:00.0
Actual Return to Compliance Date: 1994-06-06 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date: 1994-05-13 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1994-04-13 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYGJN
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1987-07-10 00:00:00.0
Actual Return to Compliance Date: 1988-03-30 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1988-01-24 00:00:00.0
Enforcement Identifier: 005
Date of Enforcement Action: 1987-12-24 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: NYDEC
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 1985-07-05 00:00:00.0
Actual Return to Compliance Date: 1985-11-12 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1985-10-05 00:00:00.0
Enforcement Identifier: 002
Date of Enforcement Action: 1985-09-05 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYDEC
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 2004-12-07 00:00:00.0
Actual Return to Compliance Date: 2004-12-08 00:00:00.0
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 2004-12-23 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYAET
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Manifest/Records/Reporting
Date Violation was Determined: 2000-06-20 00:00:00.0
Actual Return to Compliance Date: 2000-08-30 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date: 2000-08-12 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 2000-07-12 00:00:00.0
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 1998-06-24 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYMRS
Evaluation Responsible Sub-Organization: R4
Actual Return to Compliance Date: 1998-09-21 00:00:00.0
Scheduled Compliance Date: 1998-08-13 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 1987-03-24 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: NYDEC
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 1987-04-14 00:00:00.0
Scheduled Compliance Date: 1987-04-24 00:00:00.0
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Evaluation Date:	1990-08-31 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1990-11-16 00:00:00.0
Scheduled Compliance Date:	1990-11-09 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1991-08-15 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1993-01-04 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2006-08-22 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2006-08-24 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2000-06-20 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2000-08-30 00:00:00.0
Scheduled Compliance Date:	2000-08-12 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1991-08-15 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1993-01-04 00:00:00.0
Scheduled Compliance Date:	1992-02-15 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1996-06-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYBKP
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1998-06-24 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYMRS
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1998-09-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1984-07-31 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1984-12-31 00:00:00.0
Scheduled Compliance Date:	1984-12-21 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2008-08-28 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2LG
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1998-09-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1991-09-12 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2004-10-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	NYAPR
Evaluation Responsible Sub-Organization:	CO
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1997-06-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYCVR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1998-09-21 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2002-03-14 00:00:00.0
Evaluation Responsible Agency:	State

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYAET
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2002-04-25 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2004-12-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYAET
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2004-12-07 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1997-06-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYCVR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1998-09-21 00:00:00.0
Scheduled Compliance Date:	1998-01-19 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1987-10-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1998-06-24 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYMRS
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1998-09-21 00:00:00.0

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Scheduled Compliance Date:	1998-01-19 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1999-12-03 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYCVR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1999-12-03 00:00:00.0
Scheduled Compliance Date:	2000-01-17 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1986-06-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2014-03-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYJHK
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1995-06-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1996-08-12 00:00:00.0
Scheduled Compliance Date:	1996-02-06 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Evaluation Date:	1989-09-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1997-06-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2006-08-22 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2006-08-24 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1988-09-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	1992-12-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2006-08-22 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2006-08-24 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2009-09-18 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1994-03-16 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	1994-06-06 00:00:00.0
Scheduled Compliance Date:	1994-05-13 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1987-07-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1988-03-30 00:00:00.0
Scheduled Compliance Date:	1988-01-24 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1985-07-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	1985-11-12 00:00:00.0
Scheduled Compliance Date:	1985-10-05 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2017-06-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1993-01-04 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2004-12-07 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYAET
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2004-12-08 00:00:00.0
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2000-06-20 00:00:00.0
Evaluation Responsible Agency:	State

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	2000-08-30 00:00:00.0
Scheduled Compliance Date:	2000-08-12 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

NATIONAL GRID- N ALBANY SERVICE CENTER (Continued) **1000994204**

2020 COR ACTION:
EPA ID: NYD000730408
Region: 2
Action: Not reported

FTTS:
Case Number: Not reported
Docket Number: PCB-95-0231
Complaint Issue Date: 06/08/95
Abatement Amount: 0.0000
Proposed Penalty: 4000.0000
Final Assessment: 2700.0000
Final Order Date: 08/20/95
Close Date: / /
Violations(s): PCB, Label or Marking
PCB, Storage

HIST FTTS:
Case Number: Not reported
Docket Number: PCB-95-0231
Complaint Issue Date: 06/08/1995
Abatement Amount: 0.0000
Proposed Penalty: 4000.0000
Final Assessment: 2700.0000
Final Order Date: 08/20/1995
Close Date: / /
Violations(s): PCB, Label or Marking
PCB, Storage

E25 **NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR** **NY SHWS** **S102156672**
NNW **1125 BROADWAY** **NY Spills** **N/A**
1/2-1 **ALBANY, NY 12207** **NY MANIFEST**
0.778 mi.
4110 ft. **Site 2 of 3 in cluster E**

Relative: Lower

Actual: 29 ft.

SHWS:
Name: NM - NORTH ALBANY
Address: 1125 BROADWAY
City,State,Zip: ALBANY, NY 12204
Program: HW
Site Code: 58530
Classification: A
Region: 4
Acres: 25.000
HW Code: 401040
Record Add: 11/18/1999
Record Upd: 11/10/2020
Updated By: DJEATON
Site Description: "Location: The North Albany site is a 25 acre parcel located in an urban area of Albany County. It is bordered by Broadway on the west side, commercial property to the south and interstate 90 on the north. Active railroad tracks border the site on the east. The nearest residential property is on the west side of Broadway, roughly 50 yards to the west. Site Features: The site is relatively flat and

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

includes two occupied buildings and roughly a half dozen storage and maintenance structures surrounded by paved parking lots and gravel covered storage yards. One of the two occupied buildings is a combination of offices and vehicle service areas. The other is a vehicle maintenance garage. Current Zoning/Use: The site is zoned for commercial use and is currently intensively used as a service center for National Grid. The surrounding parcels are a mix of various commercial uses with residential use across Broadway. Past Use of the Site: The site was originally a Manufactured Gas Plant which operated through the 1940s and then was converted as a service center for the local utility. The principal waste material is coal tar, which has escaped from gas holders and tar pits. The primary structures that act as source areas are the relief holder previously located in the northwest corner of the site underneath an electrical substation, and the tar tank and tar pit previously located in the north central area of the site, under the parking area. The facility was formerly permitted to operate as a treatment, storage and/or disposal (TSDF) facility under the Resource Conservation and Recovery Act (RCRA) hazardous waste management program. As part of the permit, several Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) were identified for corrective action. The following SWMUs and AOCs were identified at the site: L-1 (MGP-related contamination at the site), DW-1 (Inactive Dry well), B-2 (Soil beneath the transformer shop in building 2), T-1 (Oil/water separator), T-2 (Underground diesel tank), T-3 (Waste oil tank), T-4 (Skimmed oil collection tank), T-5 and T-9 (Underground gasoline tanks), S-3 (Mercury storage area), S-5 (Yard storage area), T-6200 (Non-hazardous waste oil tank), T-6300 (PCB-contaminated waste oil tank), the storm sewer AOC, the AOC in the vicinity of MW-10, and the AOC in the vicinity of SB-5. Based on the investigations and previous actions at the site, all the AOCs and SWMUs have been closed with the exception of L-1 and B-2. The site has been included in the USEPA s tracking system under GPRA (Government Performance and Results Act) for corrective action. The RCRA Corrective Action Program requires investigation and cleanup of releases of hazardous wastes and hazardous constituents that pose an unacceptable risk at RCRA hazardous waste treatment, storage and disposal facilities. This site has not yet met indicators to show compliance with RCRA Corrective Action. Site Geology and Hydrogeology: The site is underlain by fill, followed by silty sands and then till, with bedrock being found at least 16 feet below grade. The site is almost totally covered with buildings and/or pavement, with minimal surface soil exposed. Groundwater at the site is roughly 10 feet below grade and flows generally to the east/southeast. "

Env Problem: "Nature and Extent of Contamination: Soil and groundwater samples were collected and analyzed for VOCs, SVOCs, metals, PCBs, and pesticides. The primary contaminants of concern are the chemical constituents of coal tar: benzene, toluene, ethylbenzene, xylene (BTEX) and polycyclic aromatic hydrocarbons (PAHs), including naphthalene. The tar is present as a dense non-aqueous phase liquid (DNAPL) which escaped from subsurface structures at the site into surrounding soils. There is also a small area of purifier waste (a waste by-product of the historic gas production process) in the east central edge of the site. South of Building 2 petroleum impacts and PCB contamination was found in the top 8 feet of soil, associated with fuel storage and repair activities conducted in that area. This PCB contamination was addressed by the South Yard Storage Area IRM. Soil: In the subsurface soil, BTEX and PAHs, including naphthalene

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

are present in concentrations that exceed SCOs in areas adjacent to deposits of coal tar. These areas are found throughout the northern section of the site at depths from 2 to 25 feet below the surface. Due to the lateral migration of liquid tar, the contaminants are also found up to 400 feet off-site to the east, at depths between 20 and 25 feet. The contamination is found beneath both the railroad line and Erie Boulevard. Coal tar is also suspected to be present under the northern section of Building 2, as contamination has been found right up to the building s footprint. This migration of contamination has occurred through soils, mostly at the bedrock interface and the sand and gravel layer just above that, well below the ground surface. Groundwater: The groundwater which comes into contact with the tar-contaminated soil is contaminated with BTEX and PAH at levels exceeding standards, criteria, and guidance. Contaminated groundwater is found both on and off the site downgradient, to the east and southeast, of source areas. Contaminant levels are found to be as high as 8,700 ppb for naphthalene and 2,900 ppb for benzene and ethylbenzene. The contaminated groundwater is found no more than 125 feet off-site. TCE and PCE were not found in groundwater samples. Soil Vapor: Soil vapor samples were collected both from parking lot areas and beneath the building slabs of Building 2 and the vehicle maintenance building. Sub-slab samples showed elevated levels of tetrachloroethylene, trichloroethene, as well as some gasoline and diesel constituents. The maximum contaminant levels were 26,000 micrograms per cubic meter for total xylene, 9,400 micrograms per cubic meter for ethylbenzene, 1,700 micrograms per cubic meter for tetrachloroethylene, and 32 micrograms per cubic meter for trichloroethene. The soil vapor samples from the parking areas showed some elevated levels of benzene. There is no evidence of soil vapor contamination migrating off-site. Indoor Air and Ambient Air: Indoor air samples were collected from Building 2 and the vehicle maintenance building to determine whether actions are needed to address exposures related to soil vapor intrusion. Ambient air samples were also collected from outdoor spaces on the site. The indoor air samples had elevated contaminant levels, but the levels were consistent with on-going use within the building and with the building inventories. At this time, the contaminants found in the soil vapor and indoor air sampling are still being used as part of the on-going operations. "

Health Problem: "The site is completely fenced, which restricts public access. However, persons who enter the site could contact contaminants in the soil by digging or otherwise disturbing the soil. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not contaminated by the site. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Sampling has indicated that soil vapor intrusion does not represent a current exposure pathway given the use of the site. However, an additional soil vapor intrusion evaluation is recommended if site related contaminants are no longer used at the facility. Sampling has indicated that soil vapor intrusion is not an off-site concern. "

Dump: False
Structure: False
Lagoon: False

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	00:00:00:0 / 00:00:00:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	2015-08-05 17:42:00
Updated By:	DKMACNEA
Own Op:	1
Sub Type:	01
Owner Name:	James Morgan
Owner Company:	Niagara Mohawk, doing business as National Grid
Owner Address:	300 Erie Blvd, West
Owner Addr2:	Not reported
Owner City,St,Zip:	Syracuse, NY 13202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Albany Public Library North Albany Branch
Owner Address:	616 N Pearl St
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany,, NY 12204
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	B99
Owner Name:	Douglas MacNeal
Owner Company:	NYSDEC Central Office
Owner Address:	625 Broadway
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12233-7014
Owner Country:	United States of America
HW Code:	401040
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	polycyclic aromatic hydrocarbons (PAHS), total
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	polychlorinated biphenyls (PCB)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	naphthalene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	TOLUENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

HW Code:	401040
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	ETHYLBENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	BENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	XYLENE (MIXED)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	NYD000730408
Cross Ref Type Code:	06
Cross Ref Type:	RCRA EPA ID No.
Record Added Date:	2011-03-31 08:34:00
Record Updated:	2011-03-31 08:34:00
Updated By:	DADESNOY
Crossref ID:	NIAGARA MOHAWK N ALBANY SVC CTR
Cross Ref Type Code:	27
Cross Ref Type:	Alternate Site Name
Record Added Date:	2011-06-16 00:00:00
Record Updated:	2011-06-16 00:00:00
Updated By:	jdjarrat
Crossref ID:	1408605
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2014-12-31 12:36:00
Record Updated:	2014-12-31 12:36:00
Updated By:	PNBENTIE
Crossref ID:	1110909
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2014-05-14 13:49:00
Record Updated:	2014-05-14 13:49:00
Updated By:	pnbentie
Crossref ID:	1105923

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:48:00
Record Updated: 2014-05-14 13:48:00
Updated By: pnbentie
Crossref ID: 1205447
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:50:00
Record Updated: 2014-05-14 13:50:00
Updated By: pnbentie
Crossref ID: 1105657
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:47:00
Record Updated: 2014-05-14 13:47:00
Updated By: pnbentie
Crossref ID: 1215015
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:52:00
Record Updated: 2014-05-14 13:52:00
Updated By: pnbentie
Crossref ID: 1109440
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:48:00
Record Updated: 2014-05-14 13:48:00
Updated By: pnbentie
Crossref ID: 1305272
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:53:00
Record Updated: 2014-05-14 13:53:00
Updated By: pnbentie
Crossref ID: 1400731
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:53:00
Record Updated: 2014-05-14 13:53:00
Updated By: pnbentie
Crossref ID: 1205448
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:50:00
Record Updated: 2014-05-14 13:50:00
Updated By: pnbentie
Crossref ID: 1400758
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:54:00
Record Updated: 2014-05-14 13:54:00
Updated By: pnbentie
Crossref ID: 9401173
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:45:00

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Record Updated: 2014-05-14 13:45:00
Updated By: pnbentie
Crossref ID: 1011535
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:46:00
Record Updated: 2014-05-14 13:46:00
Updated By: pnbentie
Crossref ID: 1102643
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:46:00
Record Updated: 2014-05-14 13:46:00
Updated By: pnbentie
Crossref ID: 1401503
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:55:00
Record Updated: 2014-05-14 13:55:00
Updated By: pnbentie
Crossref ID: 9803326
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:45:00
Record Updated: 2014-05-14 13:45:00
Updated By: pnbentie
Crossref ID: 1206559
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:51:00
Record Updated: 2014-05-14 13:51:00
Updated By: pnbentie

SPILLS:

Name: NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR
Address: 1125 BROADWAY
City,State,Zip: ALBANY, NY 12207
Spill Number/Closed Date: 0510772 / 2005-12-20
Facility ID: 0510772
Facility Type: ER
DER Facility ID: 306865
Site ID: 356809
DEC Region: 4
Spill Cause: Human Error
Spill Class: C4
SWIS: 0101
Spill Date: 2005-12-15
Investigator: WTCHRIST
Referred To: Not reported
Reported to Dept: 2005-12-15
CID: 444
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-12-15
Spill Record Last Update:	2014-04-22
Spiller Name:	TERRY OBRIEN
Spiller Company:	NATIONAL GRID (NIMO)
Spiller Address:	1125 BROADWAY
Spiller Company:	001
Contact Name:	TERRY OBRIEN
DEC Memo:	"12/20/05 - Cleaned up by National Grid personal. wtc PBS 4-429511; see 0413366, etc."
Remarks:	"LESS THEN 1 GALLON, HAZMAT HAS BEEN DISPATCHED NO WATER EFFECTED:"

All Materials:

Site ID:	356809
Operable Unit ID:	1114104
Operable Unit:	01
Material ID:	2104185
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	False

Name:	NAT GRID BROADWAY N. ALBANY SERV CTR
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1011535 / 2011-02-24
Facility ID:	1011535
Facility Type:	ER
DER Facility ID:	370697
Site ID:	445420
DEC Region:	4
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	0101
Spill Date:	2011-02-18
Investigator:	pnbentie
Referred To:	Not reported
Reported to Dept:	2011-02-18
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2011-02-18
Spill Record Last Update:	2014-05-14
Spiller Name:	MATTHEW LAFONTIAN

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Spiller Company:	NATIONAL GRID NIMO
Spiller Address:	1125 BROADWAY
Spiller Company:	999
Contact Name:	MATTHEW LAFONTIAN
DEC Memo:	"2/24/11 - e-mail from Barb S.: nonPCBcomplete NG 4-429511; 401040"
Remarks:	"contractor was cleaning out hoses and lost 30 gallons onto pavement. contained area and clean up is occurring now."

All Materials:

Site ID:	445420
Operable Unit ID:	1195805
Operable Unit:	01
Material ID:	2191867
Material Code:	0016A
Material Name:	non PCB oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY 12207
Spill Number/Closed Date:	0605644 / 2006-08-21
Facility ID:	0605644
Facility Type:	ER
DER Facility ID:	306865
Site ID:	368846
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2006-08-15
Investigator:	WTCHRIST
Referred To:	Not reported
Reported to Dept:	2006-08-15
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-08-15
Spill Record Last Update:	2014-04-22
Spiller Name:	TERRY OBRIEN
Spiller Company:	NATIONAL GRID (NIMO)
Spiller Address:	1125 BROADWAY
Spiller Company:	001
Contact Name:	TERRY OBRIEN
DEC Memo:	"8/21/06 - Cleaned up by National Grid. wtc (PBS 4-429511)"
Remarks:	"IN SERVICE CNETER, TRUCK BLEW A LINE, HAZMAT ON SCENE"

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

All Materials:

Site ID:	368846
Operable Unit ID:	1126704
Operable Unit:	01
Material ID:	2116256
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	NIMO N. ALBANY SERV CTR BROADWAY NIMO
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY 12210
Spill Number/Closed Date:	0603478 / 2006-07-06
Facility ID:	0603478
Facility Type:	ER
DER Facility ID:	316290
Site ID:	366212
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2006-05-15
Investigator:	WTCHRIST
Referred To:	Not reported
Reported to Dept:	2006-06-29
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-06-29
Spill Record Last Update:	2014-04-22
Spiller Name:	BARBRA [SP] SCHEURER
Spiller Company:	NORTH ALBANY SERVICE CNT NIMO
Spiller Address:	1125 BROADWAY
Spiller Company:	001
Contact Name:	BARBRA [SP] SCHEURER
DEC Memo:	""
Remarks:	""

All Materials:

Site ID:	366212
Operable Unit ID:	1124163
Operable Unit:	01
Material ID:	2113646
Material Code:	1581A

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Material Name:	refrigerant
Case No.:	Not reported
Material FA:	Other
Quantity:	16.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Name:	NIMO N. ALBANY SERV CTR PK LOT BROADWAY
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	0604408 / 2006-08-15
Facility ID:	0604408
Facility Type:	ER
DER Facility ID:	318743
Site ID:	367377
DEC Region:	4
Spill Cause:	Human Error
Spill Class:	C4
SWIS:	0101
Spill Date:	2006-07-19
Investigator:	WTCHRIST
Referred To:	Not reported
Reported to Dept:	2006-07-19
CID:	409
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-07-19
Spill Record Last Update:	2014-04-22
Spiller Name:	TERRY OBRIEN
Spiller Company:	NATIONAL GRID (NIMO)
Spiller Address:	5215 WESTERN TURNPIKE
Spiller Company:	001
Contact Name:	TERRY OBRIEN
DEC Memo:	"8/15/06 - non-pcb oil. wtc PBS 4-429511"
Remarks:	"HAS BEEN CLEANED UP. IT WAS CONTAINED."

All Materials:

Site ID:	367377
Operable Unit ID:	1125290
Operable Unit:	01
Material ID:	2114809
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	G
Recovered:	15.00
Oxygenate:	Not reported

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Name:	NAT GRID PK LOT BROADWAY NIMO N. ALBANY SERV CTR
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY 12204
Spill Number/Closed Date:	0514365 / 2006-03-16
Facility ID:	0514365
Facility Type:	ER
DER Facility ID:	311264
Site ID:	361067
DEC Region:	4
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	0101
Spill Date:	2006-03-15
Investigator:	WTCHRIST
Referred To:	Not reported
Reported to Dept:	2006-03-15
CID:	409
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-03-16
Spill Record Last Update:	2014-04-22
Spiller Name:	TERRY OBRIEN
Spiller Company:	NATIONAL GRID PARKING LOT (NIMO)
Spiller Address:	1125 BROADWAY
Spiller Company:	999
Contact Name:	TERRY OBRIEN
DEC Memo:	"03/16/06 - No Dec response. wtc PBS 4-429511"
Remarks:	"HAS BEEN CONTAINED WITH SPEEDY DRY AND HAZMAT CREW HAS BEEN DISPATCHED. LOCATED AT GAS PUMP."

All Materials:

Site ID:	361067
Operable Unit ID:	1118166
Operable Unit:	01
Material ID:	2108683
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	NAT GRID N. ALBANY SERV CTR BROADWAY
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1102643 / 2011-06-27
Facility ID:	1102643
Facility Type:	ER

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

DER Facility ID:	404745
Site ID:	450162
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2011-06-08
Investigator:	pnbentie
Referred To:	Not reported
Reported to Dept:	2011-06-08
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2011-06-08
Spill Record Last Update:	2014-05-14
Spiller Name:	Not reported
Spiller Company:	NAT GRID TRUCK NIMO
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BARB SCHEURER
DEC Memo:	"6/27/11, email from Barb S.: hydraulic oil, complete, NG cleaned 4-429511; 401040"
Remarks:	"spill to roadway-parking area, clean up complete"

All Materials:

Site ID:	450162
Operable Unit ID:	1200368
Operable Unit:	01
Material ID:	2196786
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	NAT GRID TRUCK (NIMO) BROADWAY N. ALBANY SERV CTR
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY 12207
Spill Number/Closed Date:	0612861 / 2007-04-11
Facility ID:	0612861
Facility Type:	ER
DER Facility ID:	306865
Site ID:	377800
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Spill Date:	2007-02-28
Investigator:	wtchrist
Referred To:	Not reported
Reported to Dept:	2007-02-28
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2007-02-28
Spill Record Last Update:	2014-04-22
Spiller Name:	BARBARA SCHEURER
Spiller Company:	NATIONAL GRID TRUCK (NIMO)
Spiller Address:	1125 BROADWAY
Spiller Company:	001
Contact Name:	BARBARASCHEURER [SP] BARBARA SCHEURER
DEC Memo:	"PBS 4-429511; 4/1/07 - No Dec response. wtc"
Remarks:	"CABLE PULLER MALFUNCTIONED ON A TRUCK: IS CLEANED UP:"

All Materials:

Site ID:	377800
Operable Unit ID:	1135321
Operable Unit:	01
Material ID:	2125220
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	G
Recovered:	3.00
Oxygenate:	Not reported

Name:	NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY 12206
Spill Number/Closed Date:	0608086 / 2006-11-13
Facility ID:	0608086
Facility Type:	ER
DER Facility ID:	317376
Site ID:	371961
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2006-10-16
Investigator:	wtchrist
Referred To:	Not reported
Reported to Dept:	2006-10-16
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-10-16
Spill Record Last Update:	2014-04-22
Spiller Name:	TERRY OBRIEN
Spiller Company:	NATIONAL GRID LOCATION (NIMO)
Spiller Address:	1125 BROADWAY
Spiller Company:	001
Contact Name:	TERRY OBRIEN
DEC Memo:	"PBS 4-429511; see 0612861, etc."
Remarks:	"LEAKING COPPER LINE AT A PUMP AT NATIONAL GRID LOCATION: IS CONTAINED AND HAZMAT ENROUTE"

All Materials:

Site ID:	371961
Operable Unit ID:	1129710
Operable Unit:	01
Material ID:	2119375
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	NAT GRID FACILITY N. ALBANY SERV CTR BROADWAY
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1105923 / 2011-09-01
Facility ID:	1105923
Facility Type:	ER
DER Facility ID:	408217
Site ID:	453592
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2011-08-24
Investigator:	pnbentie
Referred To:	Not reported
Reported to Dept:	2011-08-24
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Remediation Phase:	0
Date Entered In Computer:	2011-08-24
Spill Record Last Update:	2014-05-14
Spiller Name:	ERIK WILLERS
Spiller Company:	NATIONAL GRID FACILITY
Spiller Address:	1125 BROADWAY NORTH
Spiller Company:	999
Contact Name:	ERIK WILLERS
DEC Memo:	"9/1/11 - per e-mail from Barb S.: non-PCB; complete, cleaned by NG 4-429511; 401040"
Remarks:	"mineral oil - hazmat crew on scene - clean up in progress"

All Materials:

Site ID:	453592
Operable Unit ID:	1203751
Operable Unit:	01
Material ID:	2200474
Material Code:	2630
Material Name:	mineral oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	NAT GRID N. ALBANY SERV CTR BROADWAY
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1105657 / 2011-09-01
Facility ID:	1105657
Facility Type:	ER
DER Facility ID:	408244
Site ID:	453319
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2011-08-18
Investigator:	pnbentie
Referred To:	Not reported
Reported to Dept:	2011-08-18
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2011-08-18
Spill Record Last Update:	2014-05-14
Spiller Name:	BARB SHEURER
Spiller Company:	NAT GRID NIMO
Spiller Address:	1125 BROADWAY

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Spiller Company: 999
Contact Name: BARB SHEURER
DEC Memo: "9/1/11 - per e-mail from Barb S.: non-PCB; complete, cleaned by NG 4-429511; 401040"
Remarks: "oil for chiller of air conditioning lost to concrete, approx 1 pint to drain.Contained and C/U ongoing"

All Materials:
Site ID: 453319
Operable Unit ID: 1203477
Operable Unit: 01
Material ID: 2200140
Material Code: 0064A
Material Name: unknown material
Case No.: Not reported
Material FA: Other
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

Click this hyperlink while viewing on your computer to access
37 additional NY SPILL: record(s) in the EDR Site Report.

NY MANIFEST:
Name: NIAGARA MOHAWK POWER CORP
Address: 1125 BROADWAY
City,State,Zip: ALBANY, NY 12204
Country: USA
EPA ID: NYP000910935
Facility Status: Not reported
Location Address 1: 1125 BROADWAY
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: ALBANY
Location State: NY
Location Zip: 12204
Location Zip 4: 2529

NY MANIFEST:
EPAID: NYP000910935
Mailing Name: NIAGARA MOHAWK POWER CORP
Mailing Contact: MIKEABBOTT
Mailing Address 1: 1125 BROADWAY
Mailing Address 2: Not reported
Mailing City: ALBANY
Mailing State: NY
Mailing Zip: 12204
Mailing Zip 4: 2529
Mailing Country: USA
Mailing Phone: 5184373696

NY MANIFEST:
Document ID: NYB2536461
Manifest Status: C

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

seq:	Not reported
Year:	1993
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	09/22/1993
Trans1 Recv Date:	09/22/1993
Trans2 Recv Date:	/ /
TSD Site Recv Date:	09/23/1993
Part A Recv Date:	11/10/1993
Part B Recv Date:	10/08/1993
Generator EPA ID:	NYP000910935
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID 1:	OHD981100969
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	14873
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

Name:	NIAGARA MOHAWK POWER CORP
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY 12204
Country:	USA
EPA ID:	NYP000934075
Facility Status:	Not reported
Location Address 1:	1125 BROADWAY
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	ALBANY
Location State:	NY
Location Zip:	12204
Location Zip 4:	2529

NY MANIFEST:

EPAID:	NYP000934075

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Mailing Name:	NIAGARA MOHAWK POWER CORP
Mailing Contact:	MICHAEL ABBOTT
Mailing Address 1:	1125 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	ALBANY
Mailing State:	NY
Mailing Zip:	12204
Mailing Zip 4:	2529
Mailing Country:	USA
Mailing Phone:	5184333696

NY MANIFEST:

Document ID:	CTF0496072
Manifest Status:	C
seq:	Not reported
Year:	1997
Trans1 State ID:	RV8535NY
Trans2 State ID:	ME614183
Generator Ship Date:	04/29/1997
Trans1 Recv Date:	04/29/1997
Trans2 Recv Date:	05/03/1997
TSD Site Recv Date:	05/06/1997
Part A Recv Date:	05/08/1997
Part B Recv Date:	05/16/1997
Generator EPA ID:	NYP000934075
Trans1 EPA ID:	MAD039322250
Trans2 EPA ID:	MAD039322250
TSDF ID 1:	CTD000604488
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

E26 **NIMO - NORTH ALBANY MGP** **EDR MGP** **1008407850**
NNW **1125 BROADWAY** **N/A**
1/2-1 **ALBANY, NY 12204**
0.778 mi.
4110 ft. **Site 3 of 3 in cluster E**

Relative:
Lower

Manufactured Gas Plants:
No additional information available

Actual:
29 ft.

Count: 8 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RENSSELAER	S113916784	RENSSELAER WYCK TARGET RANGE	10TH STREET	12144	NY SHWS
RENSSELAER	S112810117	RENS CO PUMP STA FORBES AVE	FORBES AVE		NY Spills
RENSSELAER	1000276706	ASHLAND DISTRIBUTION	SOUTH STREET	12144	CORRACTS, RCRA-TSDF, RCRA-SQ US FIN ASSUR, 2020 COR ACTION, RAATS, NY MANIFEST, PA MANIFES
RENSSELAER	S105464381	NM - RENSSELAER MGP	WASHINGTON ST	12144	NY SHWS, NY VCP
TROY	S126309130	RESSELAER CO. SD SLUDGE MONOFILL	FOOT OF WATER STREET		NY SWF/LF
TROY	S126023450	NM - AREA 4 WATER ST. - TROY MGP	WATER STREET		NY SWF/LF
TROY	S113492644	CHEVRON FORMER ASPHALT FACILITY	WATER STREET	12180	NY SHWS
TROY	S108239530	NM - TROY WATER ST. MGP	WATER STREET	12180	NY SHWS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/30/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 39

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/23/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/15/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 7

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/15/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

LTANKS: Spills Information Database
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 89

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/24/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/24/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/24/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/24/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 82
Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 03/24/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

ENV RES DECL: Environmental Restrictive Declarations
The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 78
Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 03/15/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Varies

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 12/14/2020
Date Made Active in Reports: 03/04/2021
Number of Days to Update: 80
Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 03/17/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 84
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 84
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/22/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Varies

VCP NYC: Voluntary Cleanup Program Listing NYC

New York City voluntary cleanup program sites.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/10/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 37

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 04/13/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/16/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/15/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/22/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

DEC surveyed select businesses, fire departments, fire training centers, bulk storage facilities, airports, and Department of Defense (DoD) facilities. The responses to the survey have helped to determine if these entities used or stored materials containing PFOA/PFOS including AFFF and dispersants used in Teflon coating operations. The results of this survey will be updated periodically as additional responses are received..

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 05/08/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9020
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/02/2021
Date Made Active in Reports: 04/26/2021
Number of Days to Update: 83
Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/16/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 85
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/24/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 89

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 47
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62
Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574
Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/10/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/19/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 60

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 01/22/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/05/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/02/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/13/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/18/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 63

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81
Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/10/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 33
Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/02/2021
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/13/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 02/05/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 02/17/2021
Number of Days to Update: 8

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 09/30/2020
Date Made Active in Reports: 12/21/2020
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 12/02/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 12/16/2020
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 78

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 03/15/2021
Next Scheduled EDR Contact: 06/28/2021
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 01/07/2021
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 04/02/2021
Number of Days to Update: 80

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/11/2020
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 12/01/2018
Date Data Arrived at EDR: 02/13/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 120

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 02/12/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 11/29/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/16/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

COOLING TOWERS: Registered Cooling Towers

This data includes the location of cooling towers registered with New York State. The data is self-reported by owners/property managers of cooling towers in service in New York State. In August 2015, the New York State Department of Health released emergency regulations requiring the owners of cooling towers to register them with New York State.

Date of Government Version: 01/05/2021
Date Data Arrived at EDR: 01/13/2021
Date Made Active in Reports: 04/02/2021
Number of Days to Update: 79

Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

NYC LEAD: Lead-based Paint Testing Results

The results of the inspections for all classrooms serving students under six in applicable buildings. Identifies all classrooms, whether there was observation of peeling paint, and if there was, standard response protocol was followed.

Date of Government Version: 09/29/2020
Date Data Arrived at EDR: 02/03/2021
Date Made Active in Reports: 04/29/2021
Number of Days to Update: 85

Source: New York City Department of Education
Telephone: 212-374-5141
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

NYC LEAD 2: Recent Lead Paint Violations

Pursuant to New York City?s Housing Maintenance Code, the Department of Housing Preservation and Development (HPD) issues violations against conditions in rental dwelling units that have been verified to violate the New York City Housing Maintenance Code (HMC) or the New York State Multiple Dwelling Law (MDL). Violations are issued when an inspection verifies that a violation of the HMC or MDL exists. It is closed when the violation is corrected, as observed/verified by HPD or as certified by the landlord.

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/03/2021
Date Made Active in Reports: 04/29/2021
Number of Days to Update: 85

Source: New York City Department of Housing Preservation & Development
Telephone: 212-863-8200
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

AST - CORTLAND: Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

UST - CORTLAND: Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

NASSAU COUNTY:

AST - NASSAU: Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: No Update Planned

AST NCFM: Storage Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

TANKS NASSAU: Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

UST - NASSAU: Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: No Update Planned

UST NCFM: Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

ROCKLAND COUNTY:

AST - ROCKLAND: Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: No Update Planned

UST - ROCKLAND: Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: No Update Planned

SUFFOLK COUNTY:

AST - SUFFOLK: Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 04/26/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: No Update Planned

TANKS SUFFOLK: Storage Tank Database

This county is not included in the state?s database. These are facilities that have no tank information in the storage tank database.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 31

Source: Department of Health Services
Telephone: 631-854-2516
Last EDR Contact: 05/24/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

UST - SUFFOLK: Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 04/26/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

AST - WESTCHESTER: Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 06/09/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/18/2020
Number of Days to Update: 70

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Semi-Annually

UST - WESTCHESTER: Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 06/09/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/18/2020
Number of Days to Update: 70

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Semi-Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 10/05/2020
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 04/12/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

20 FORBES AVE
20 FORBES AVE
RENSSELAER, NY 12144

TARGET PROPERTY COORDINATES

Latitude (North):	42.659171 - 42° 39' 33.02''
Longitude (West):	73.732749 - 73° 43' 57.90''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	603864.2
UTM Y (Meters):	4723531.5
Elevation:	31 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5936283 TROY SOUTH, NY
Version Date:	2013
Northwest Map:	5936273 ALBANY, NY
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

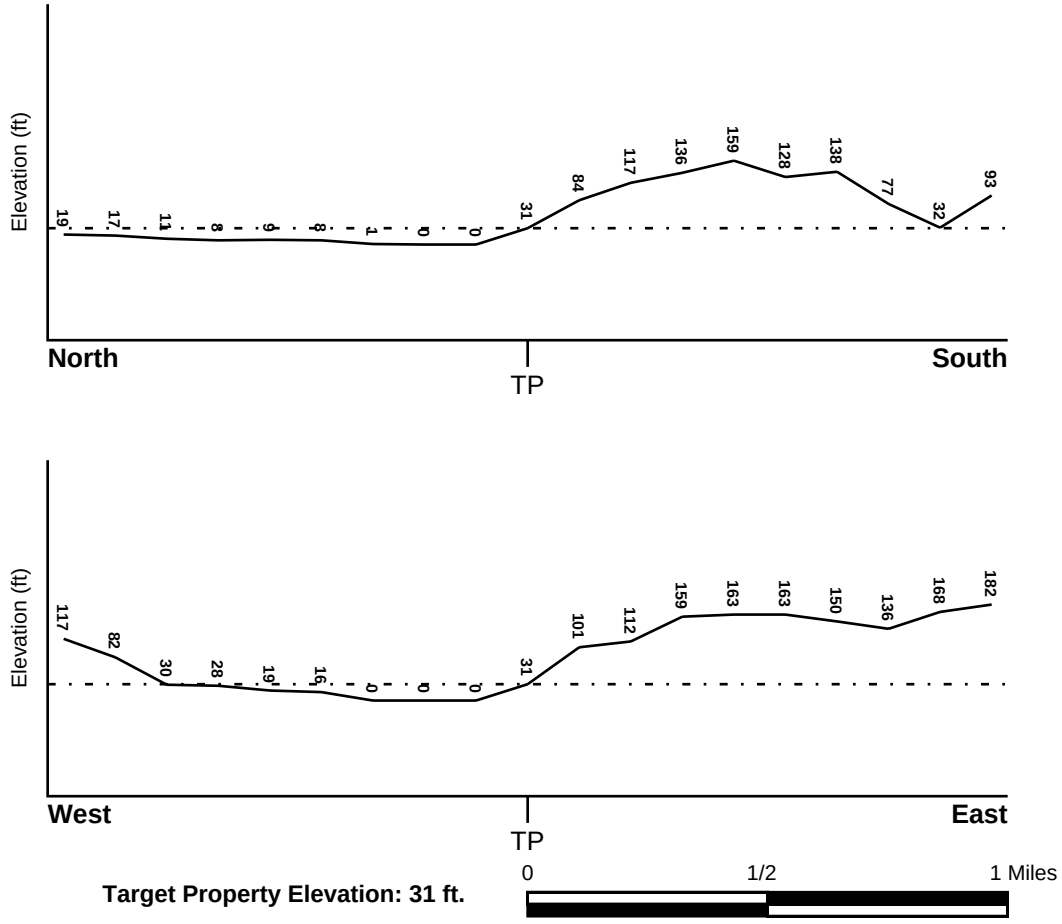
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
36001C0211D	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
36001C0192D	FEMA FIRM Flood data
36001C0212D	FEMA FIRM Flood data
36001C0194D	FEMA FIRM Flood data
36001C0213D	FEMA FIRM Flood data
3611640006A	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
TROY SOUTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

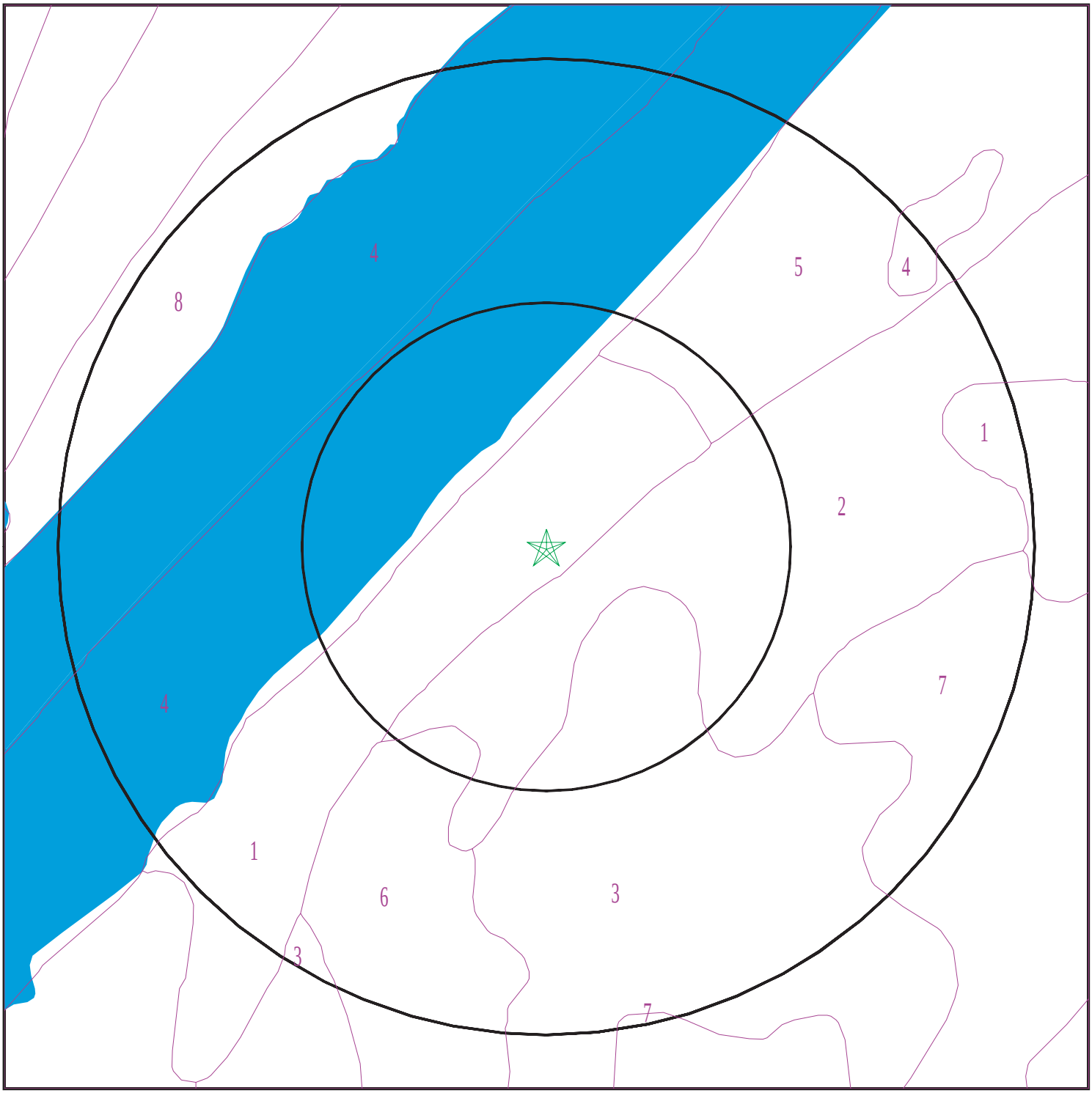
Era:	Paleozoic
System:	Ordovician
Series:	Middle Ordovician (Mohawkian)
Code:	O2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6490375.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	20 Forbes Ave	CLIENT:	Alpine Environmental Services
ADDRESS:	20 Forbes Ave Rensselaer NY 12144	CONTACT:	Denise Salisbury
		INQUIRY #:	6490375.2s
LAT/LONG:	42.659171 / 73.732749	DATE:	May 12, 2021 11:17 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Udorthents

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.2 Min: 5.1

Soil Map ID: 2

Soil Component Name: Hoosic

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
2	9 inches	22 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
3	22 inches	59 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 3

Soil Component Name: Hoosic

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
2	9 inches	22 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
3	22 inches	59 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 4

Soil Component Name: Water

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 5

Soil Component Name: Udorthents

Soil Surface Texture: very gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	very gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6 Min: 5.1

Soil Map ID: 6

Soil Component Name: Hoosic

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
2	9 inches	22 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
3	22 inches	59 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 7

Soil Component Name: Hoosic

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
2	9 inches	22 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
3	22 inches	59 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 8

Soil Component Name: Udorthents

Soil Surface Texture: loam

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5
2	3 inches	70 inches	channery loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000860223	1/4 - 1/2 Mile NW
2	USGS40000860001	1/4 - 1/2 Mile South
3	USGS40000860052	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

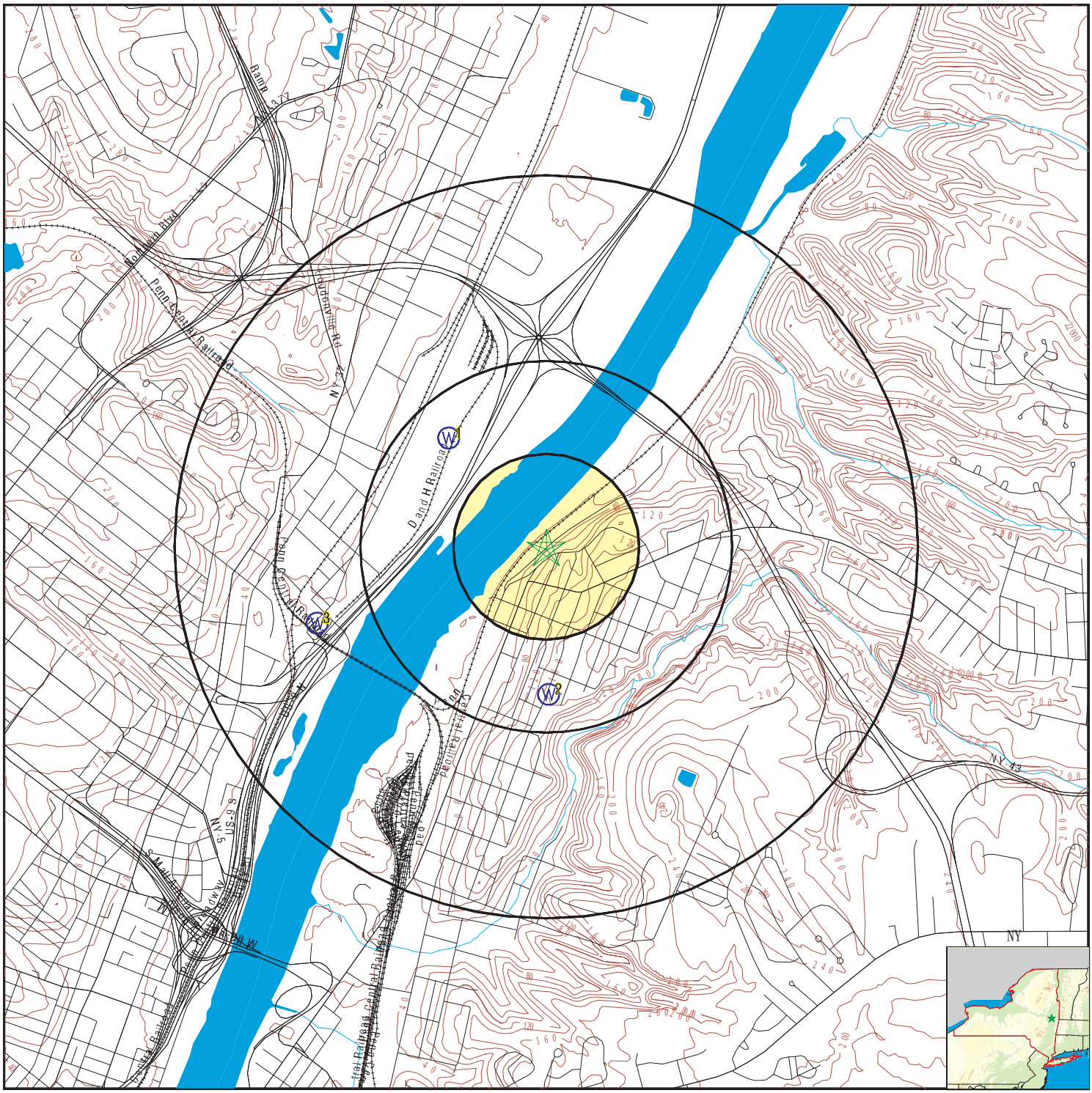
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 6490375.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	20 Forbes Ave	CLIENT:	Alpine Environmental Services
ADDRESS:	20 Forbes Ave Rensselaer NY 12144	CONTACT:	Denise Salisbury
LAT/LONG:	42.659171 / 73.732749	INQUIRY #:	6490375.2s
		DATE:	May 12, 2021 11:17 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
NW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000860223**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	A 365	Type:	Well
Description:	Not Reported	HUC:	02020006
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Holocene Series
Aquifer Type:	Not Reported	Construction Date:	1946
Well Depth:	25	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

2
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000860001**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	RE 585	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	67	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

3
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000860052**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	A 229	Type:	Well
Description:	Not Reported	HUC:	02020006
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Snake Hill Formation
Aquifer Type:	Not Reported	Construction Date:	1946
Well Depth:	252	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
RENSSELAER	BERLIN	19	7.79	5.55	25
RENSSELAER	BRUNSWICK	96	7.37	3.67	92.2
RENSSELAER	E. GREENBUSH	220	7.13	3.36	56.1
RENSSELAER	GRAFTON	31	3.83	2.13	17.7
RENSSELAER	HOOSICK	40	3.68	2.57	19.6
RENSSELAER	NASSAU	76	6.56	3.17	38.1
RENSSELAER	NO. GREENBUSH	211	9.06	4.28	130.6
RENSSELAER	PETERSBURG	36	4.69	3.6	22.1
RENSSELAER	PITTSTOWN	27	6.43	2.92	74.2
RENSSELAER	POESTENKILL	48	6.45	4.19	31.4
RENSSELAER	RENSSELAER	122	5.72	2.69	65.3
RENSSELAER	SAND LAKE	169	6.23	3.1	37.7
RENSSELAER	SCHAGHTICOKE	42	5.59	4.02	19.3
RENSSELAER	SCHODACK	247	8.3	4.2	103.2
RENSSELAER	STEPHENTOWN	29	5.35	3.23	23.3
RENSSELAER	TROY	498	5.97	3.08	134.7

Federal EPA Radon Zone for RENSSELAER County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for RENSSELAER COUNTY, NY

Number of sites tested: 85

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.570 pCi/L	87%	13%	0%
Basement	2.890 pCi/L	66%	31%	4%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix C:

Sanborn Fire Insurance Maps

20 Forbes Ave

20 Forbes Ave

Rensselaer, NY 12144

Inquiry Number: 6490375.3

May 12, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

05/12/21

Site Name:	Client Name:
20 Forbes Ave	Alpine Environmental Services
20 Forbes Ave	438 New Karner Road
Rensselaer, NY 12144	Albany, NY 12205-0000
EDR Inquiry # 6490375.3	Contact: Denise Salisbury

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Alpine Environmental Services were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # D607-4675-8AFA

PO # 21-26694-E

Project 21-26694-E

Maps Provided:

1967
1949
1925
1909

Sanborn® Library search results

Certification #: D607-4675-8AFA

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1967 Source Sheets

Volume 1, Sheet 16
1967

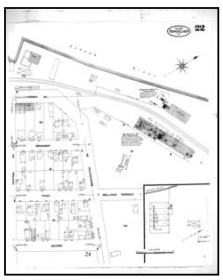
1949 Source Sheets

Volume 1, Sheet 16
1949

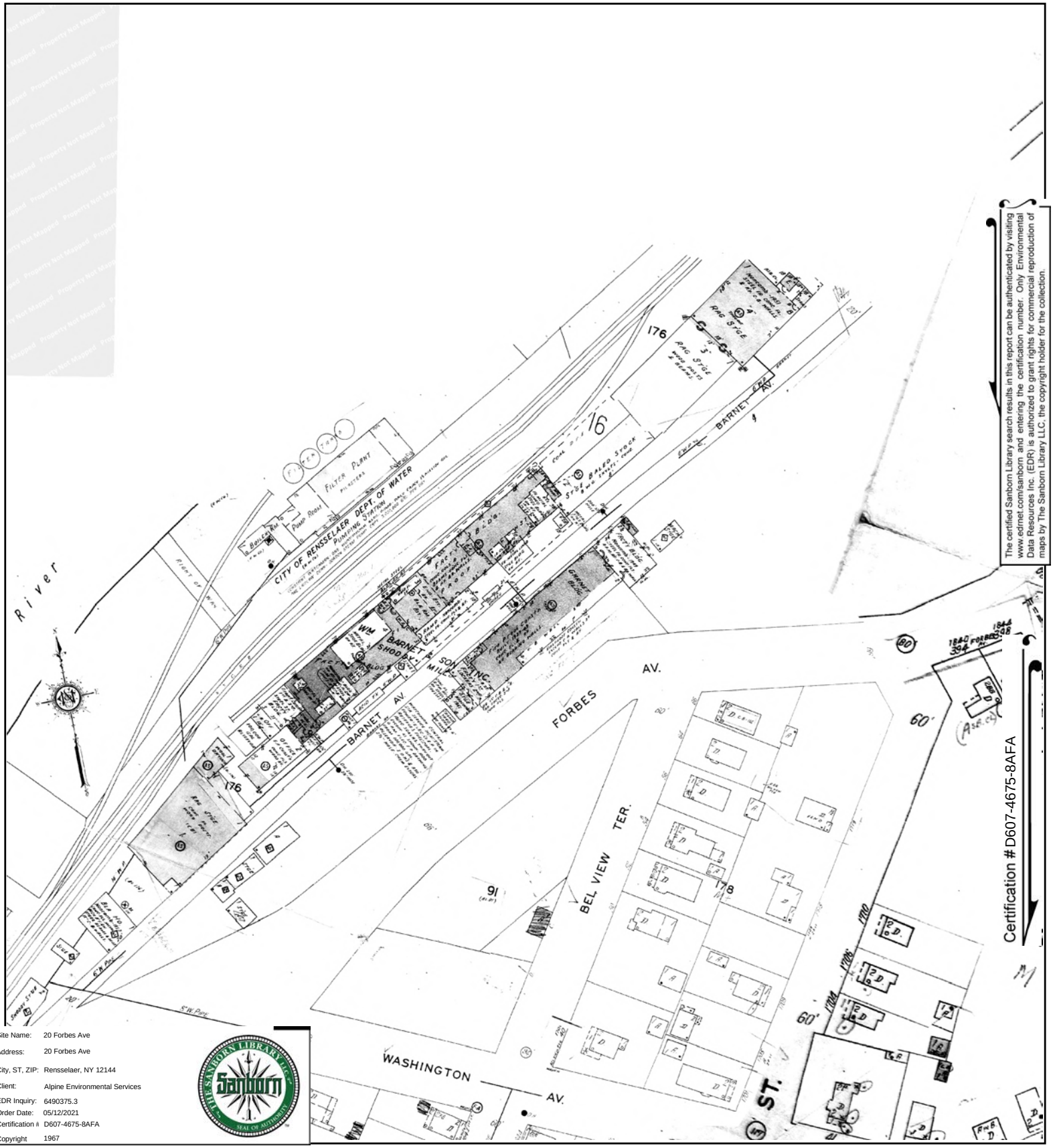
1925 Source Sheets

Volume 1, Sheet 16
1925

1909 Source Sheets



Volume 1, Sheet 22
1909



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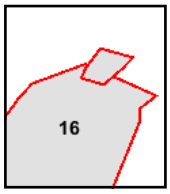
Site Name:	20 Forbes Ave
Address:	20 Forbes Ave
City, ST, ZIP:	Rensselaer, NY 12144
Client:	Alpine Environmental Services
EDR Inquiry:	6490375.3
Order Date:	05/12/2021
Certification #:	D607-4675-8AFA
Copyright	1967

This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

Volume 1, Sheet 16



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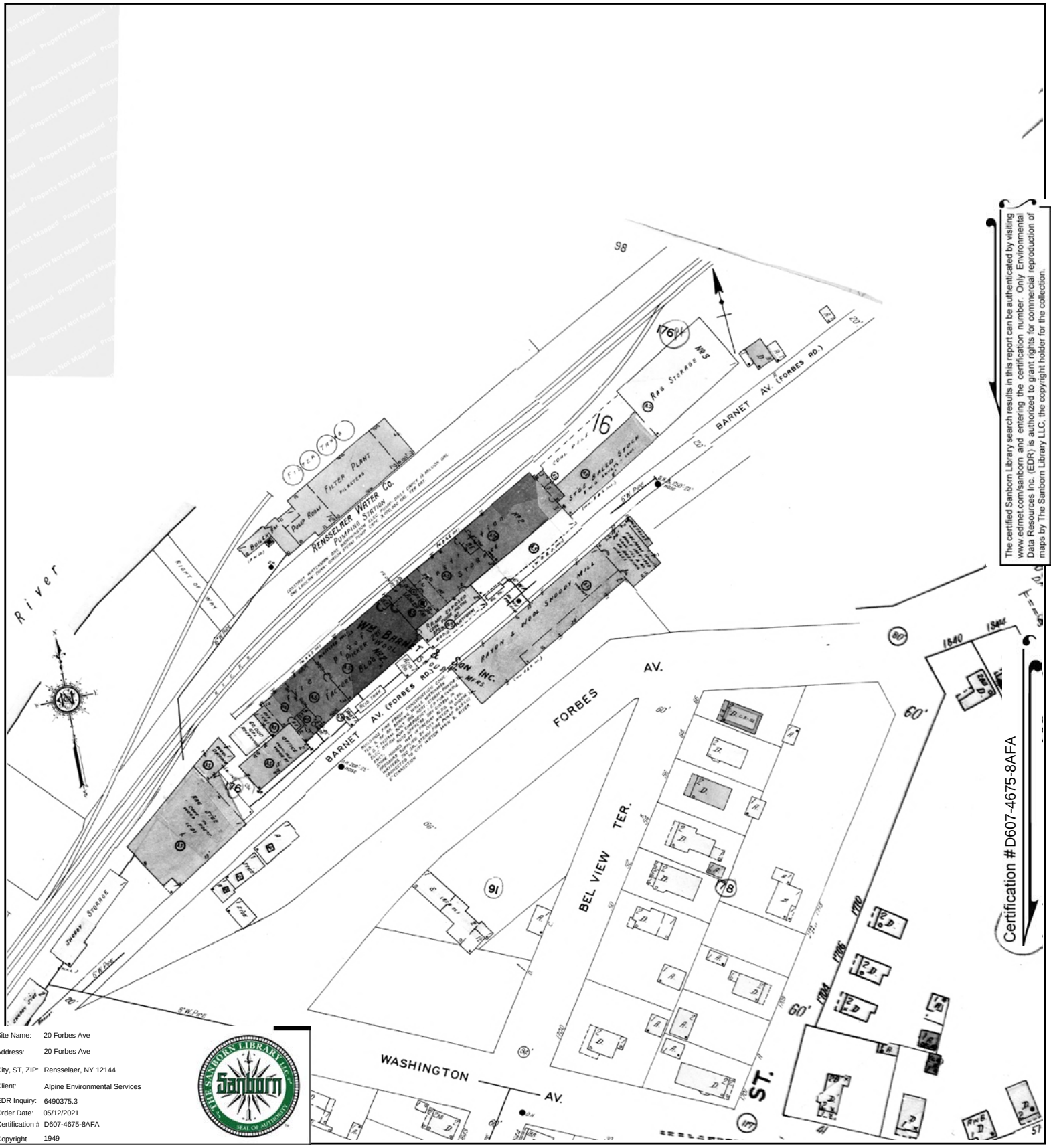

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Site Name: 20 Forbes Ave
Address: 20 Forbes Ave
City, ST, ZIP: Rensselaer, NY 12144
Client: Alpine Environmental Services
EDR Inquiry: 6490375.3
Order Date: 05/12/2021
Certification #: D607-4675-8AFA
Copyright 1949

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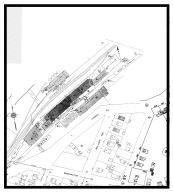

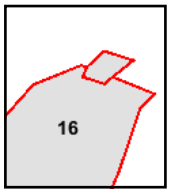

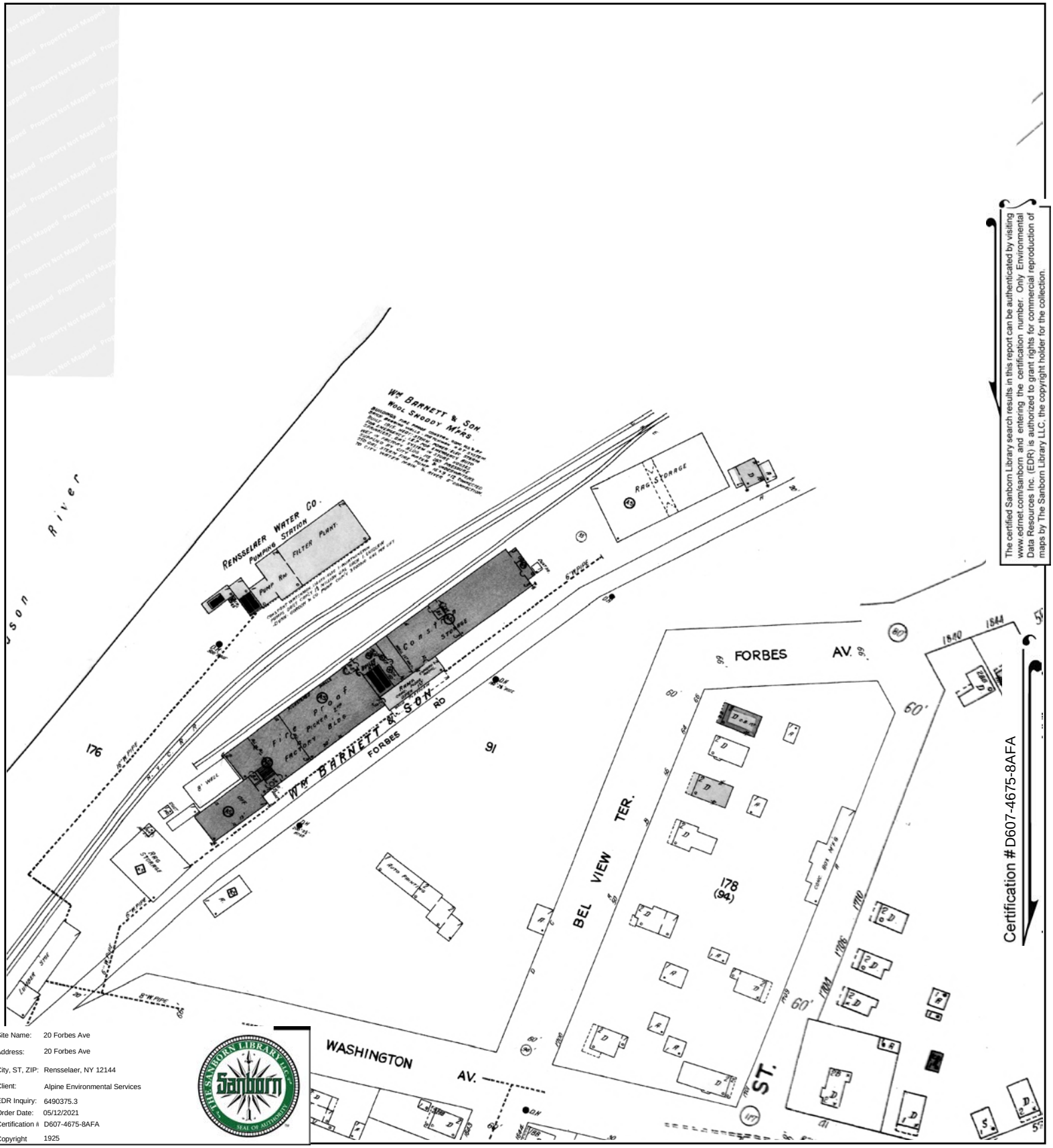

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Site Name: 20 Forbes Ave
Address: 20 Forbes Ave
City, ST, ZIP: Rensselaer, NY 12144
Client: Alpine Environmental Services
EDR Inquiry: 6490375.3
Order Date: 05/12/2021
Certification #: D607-4675-8AFA
Copyright 1925

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

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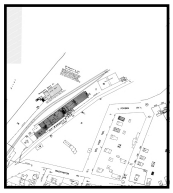

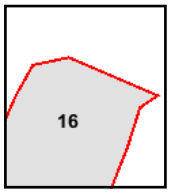

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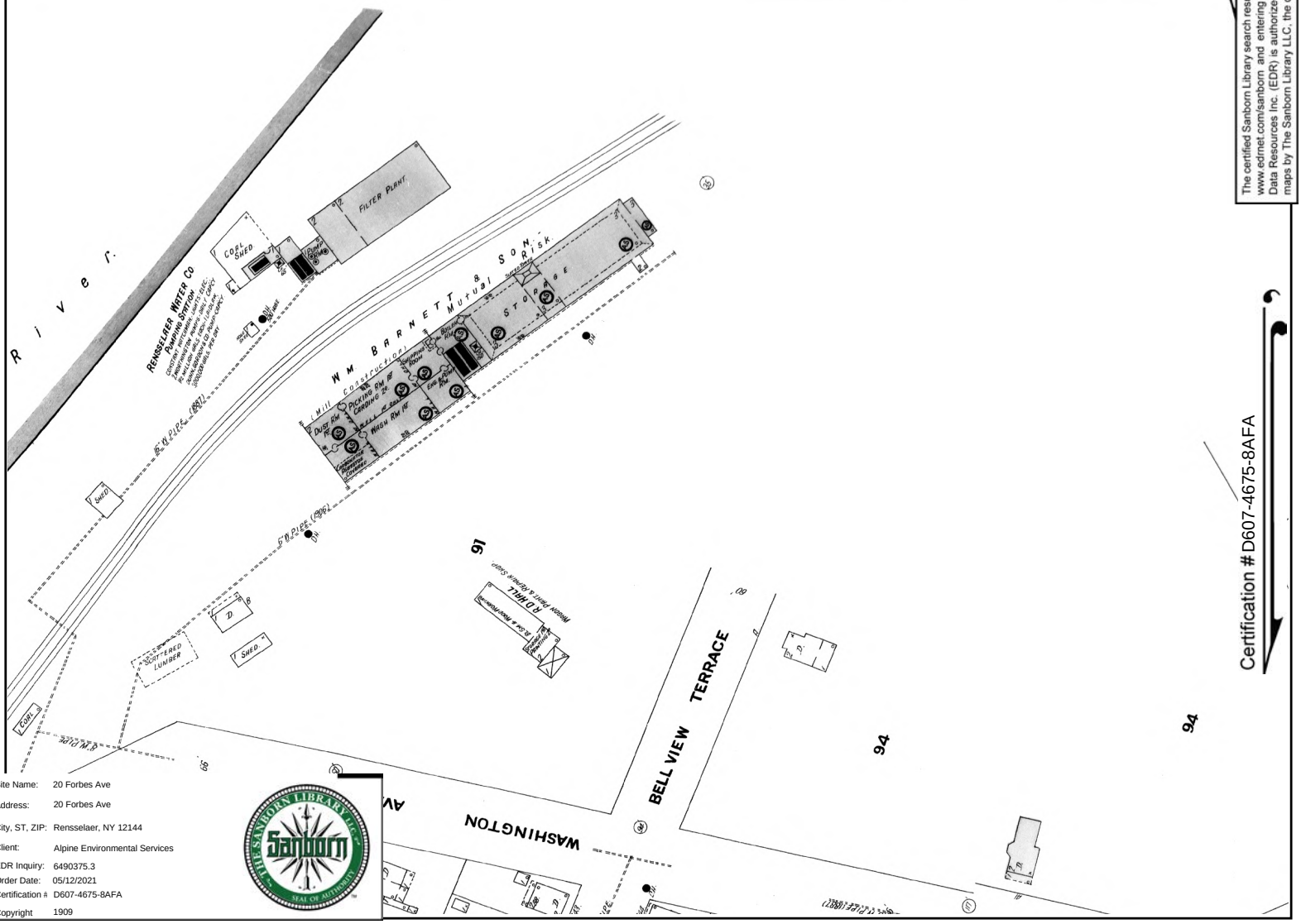
Certification #D607-4675-8AFA



Site Name:	20 Forbes Ave
Address:	20 Forbes Ave
City, ST, ZIP:	Rensselaer, NY 12144
Client:	Alpine Environmental Services
EDR Inquiry:	6490375.3
Order Date:	05/12/2021
Certification #:	D607-4675-8AFA
Copyright	1909

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Outlined areas indicate map sheets within the collection.

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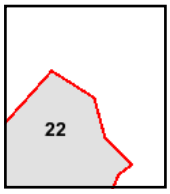
Volume 1, Sheet 22



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Appendix D:
Historic Site Area Aerial Photographs

20 Forbes Ave

20 Forbes Ave

Rensselaer, NY 12144

Inquiry Number: 6490375.8

May 13, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

05/13/21

Site Name:

20 Forbes Ave
20 Forbes Ave
Rensselaer, NY 12144
EDR Inquiry # 6490375.8

Client Name:

Alpine Environmental Services
438 New Karner Road
Albany, NY 12205-0000
Contact: Denise Salisbury

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1995	1"=500'	Acquisition Date: May 07, 1995	USGS/DOQQ
1986	1"=500'	Flight Date: March 31, 1986	USDA
1984	1"=1000'	Flight Date: March 16, 1984	USGS
1977	1"=500'	Flight Date: April 17, 1977	USDA
1973	1"=500'	Flight Date: June 16, 1973	USGS
1960	1"=500'	Flight Date: May 01, 1960	USGS
1952	1"=500'	Flight Date: June 02, 1952	USDA
1942	1"=500'	Flight Date: January 01, 1942	FirstSearch

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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INQUIRY #: 6490375.8
YEAR: 2017
= 500'
N
EDR

INQUIRY #: 6490375.8
YEAR: 2013
= 500'
N
EDR

INQUIRY #: 6490375.8
YEAR: 2009
= 500'
N
EDR

INQUIRY #: 6490375.8
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 6490375.8
YEAR: 1995
= 500'
N
EDR

INQUIRY #: 6490375.8

YEAR: 1986

= 500'

N

EDR

INQUIRY #: 6490375.8

YEAR: 1984

= 1000'

N

EDR

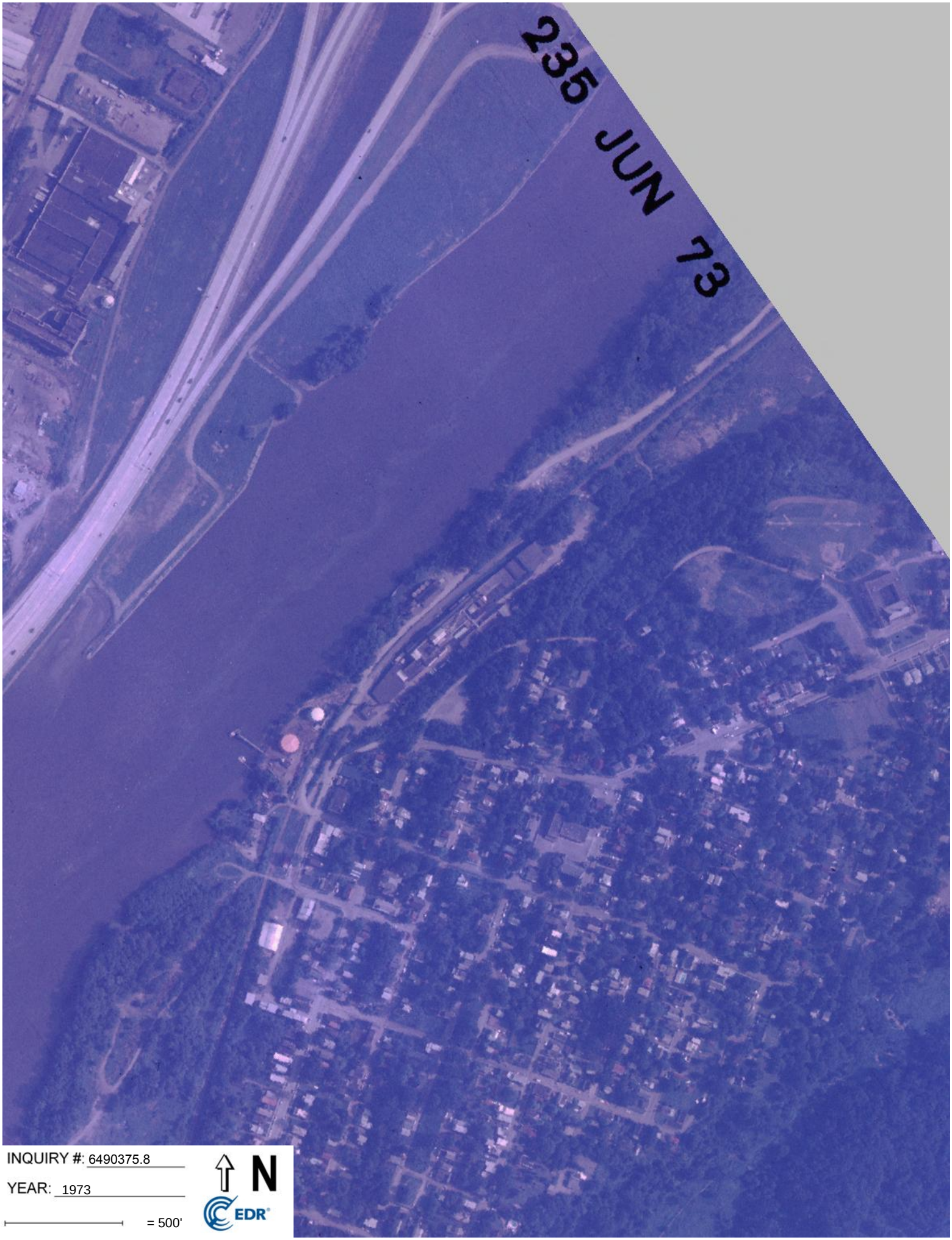
INQUIRY #: 6490375.8

YEAR: 1977

= 500'

N

EDR



INQUIRY #: 6490375.8

YEAR: 1973

= 500'

N

EDR

INQUIRY #: 6490375.8

YEAR: 1960

= 500'

N

EDR

INQUIRY #: 6490375.8

YEAR: 1952

= 500'

N

EDR

INQUIRY #: 6490375.8

YEAR: 1942

= 500'

N

EDR

Appendix E

Historic Site Area Topographic Maps

20 Forbes Ave

20 Forbes Ave

Rensselaer, NY 12144

Inquiry Number: 6490375.4

May 12, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

05/12/21

Site Name:	Client Name:
20 Forbes Ave	Alpine Environmental Services
20 Forbes Ave	438 New Karner Road
Rensselaer, NY 12144	Albany, NY 12205-0000
EDR Inquiry # 6490375.4	Contact: Denise Salisbury

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Alpine Environmental Services were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	21-26694-E	**Latitude:**	42.659171 42° 39' 33" North
Project:	21-26694-E	**Longitude:**	-73.732749 -73° 43' 58" West
		UTM Zone:	Zone 18 North
		UTM X Meters:	603861.32
		UTM Y Meters:	4723745.84
		Elevation:	30.47' above sea level

Maps Provided:

2013	1893
1980	
1953	
1950	
1928	
1925	
1898	
1895	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets

Albany
2013
7.5-minute, 24000

Troy South
2013
7.5-minute, 24000

1980 Source Sheets

Troy South
1980
7.5-minute, 24000
Aerial Photo Revised 1978

Albany
1980
7.5-minute, 24000
Aerial Photo Revised 1978

1953 Source Sheets

Troy South
1953
7.5-minute, 24000
Aerial Photo Revised 1952

Albany
1953
7.5-minute, 24000
Aerial Photo Revised 1952

1950 Source Sheets

Albany
1950
15-minute, 62500

Troy
1950
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1928 Source Sheets

Troy
1928
15-minute, 62500

1925 Source Sheets

Troy
1925
15-minute, 48000

1898 Source Sheets

Troy
1898
15-minute, 62500

Albany
1898
15-minute, 62500

1895 Source Sheets

Troy
1895
15-minute, 62500

Albany
1895
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

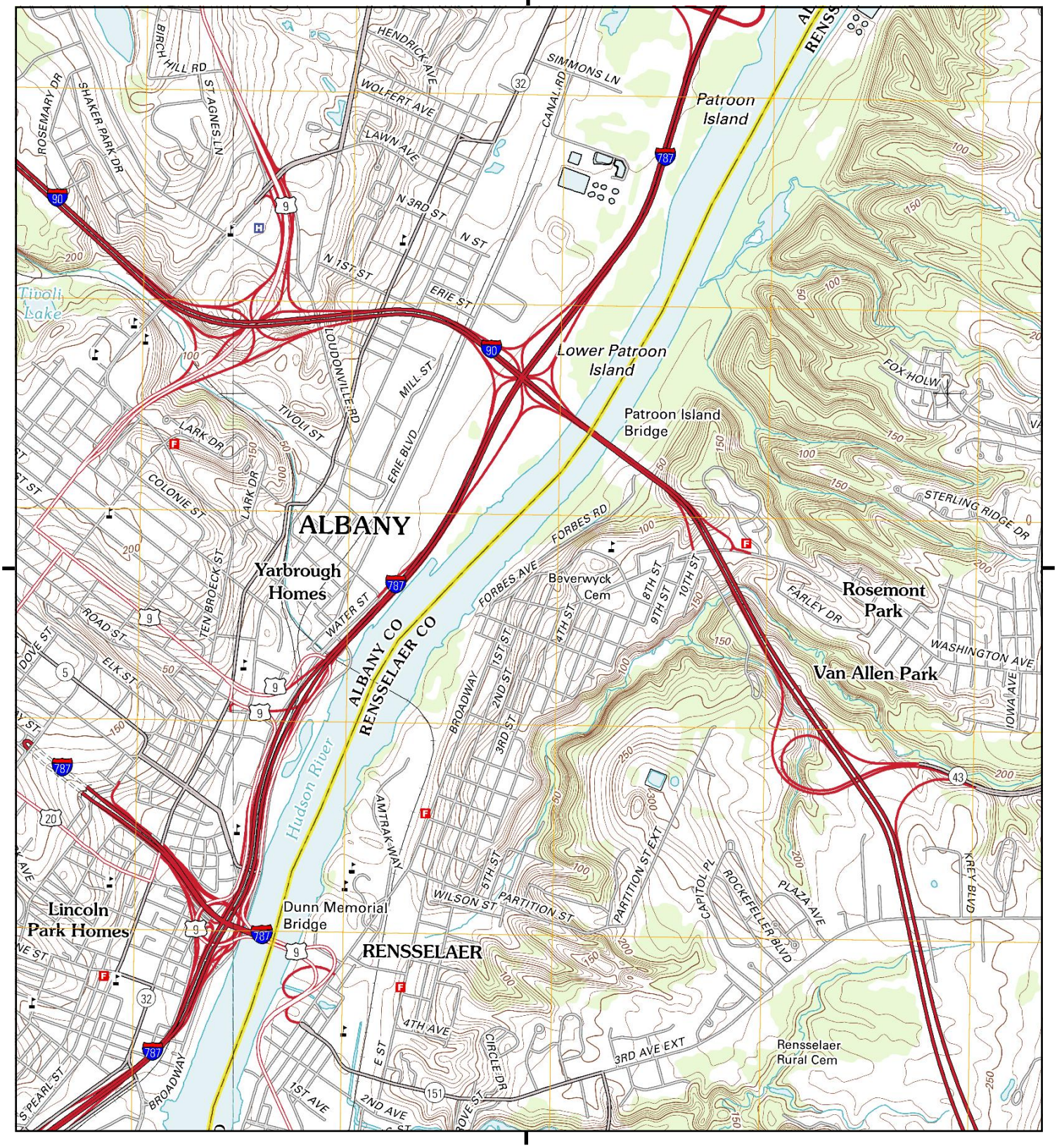
1893 Source Sheets

Troy
1893
15-minute, 62500

Albany
1893
15-minute, 62500

Historical Topo Map

2013



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

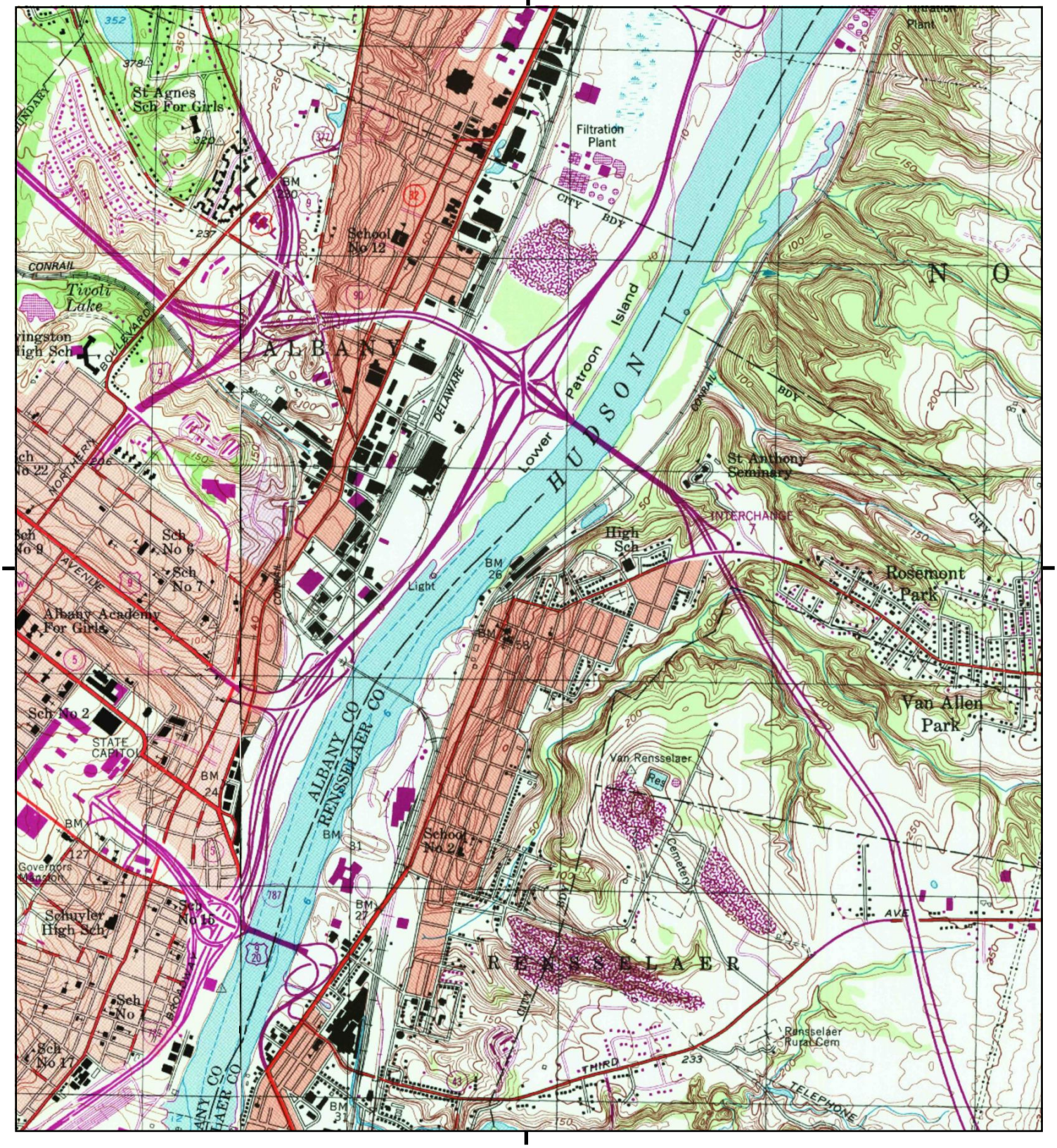
TP, Troy South, 2013, 7.5-minute
NW, Albany, 2013, 7.5-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N

Historical Topo Map

1980



This report includes information from the following map sheet(s).

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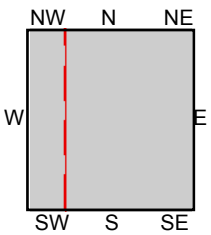


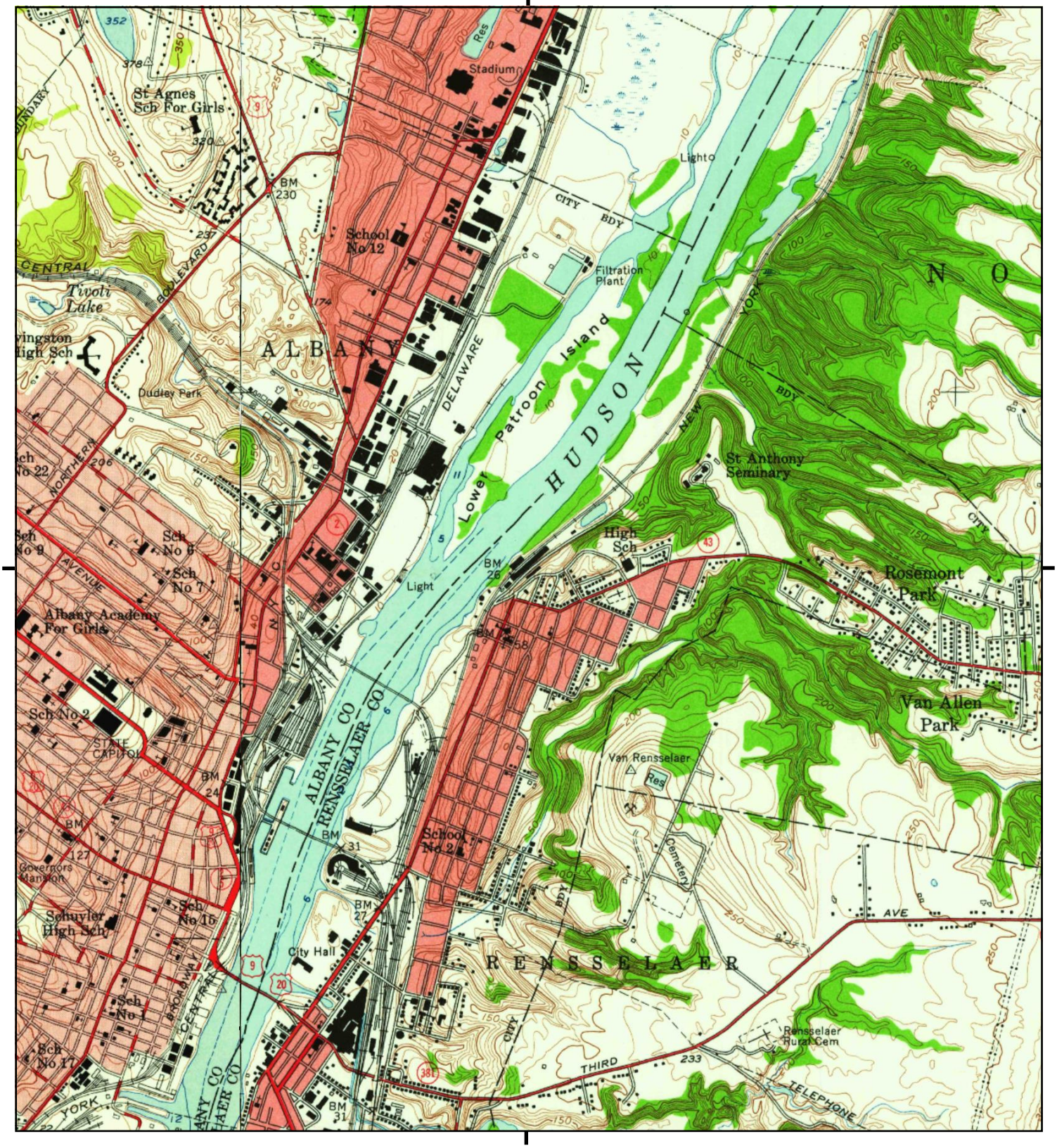
TP, Troy South, 1980, 7.5-minute
NW, Albany, 1980, 7.5-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N

Historical Topo Map

1953



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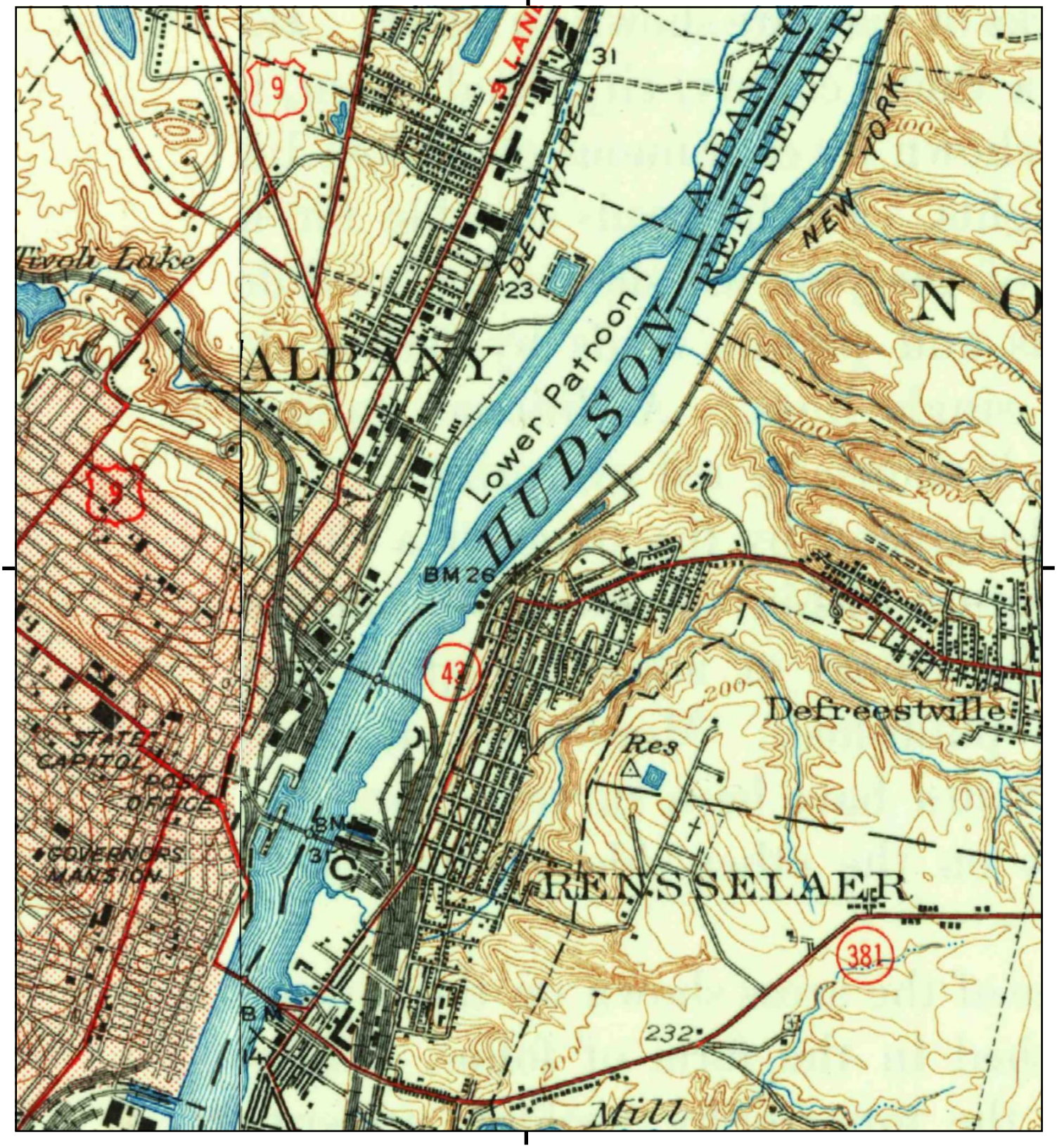
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Troy South, 1953, 7.5-minute
NW, Albany, 1953, 7.5-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N



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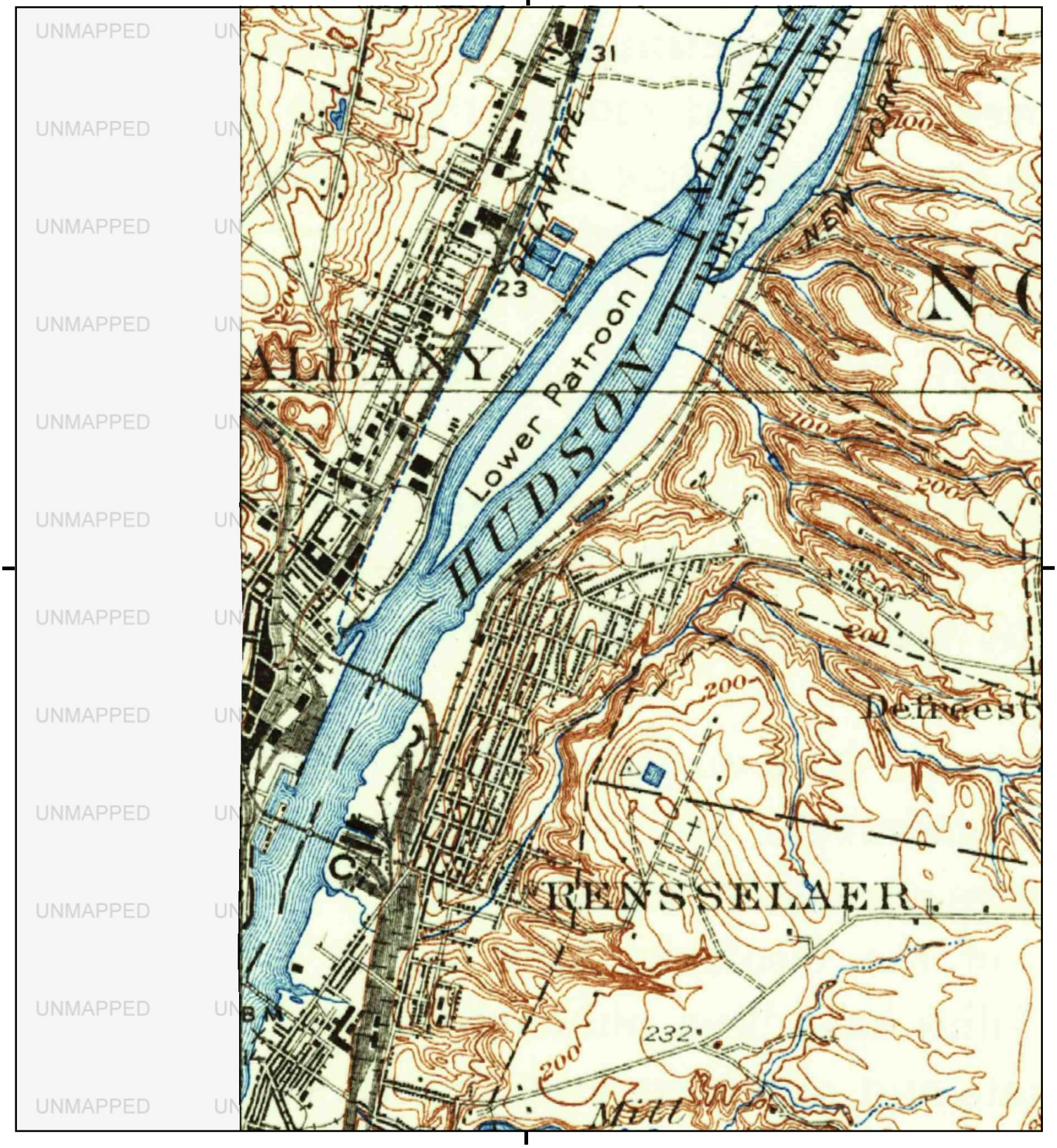
NW N NE
W E
SW S SE

TP, Troy, 1950, 15-minute
W, Albany, 1950, 15-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

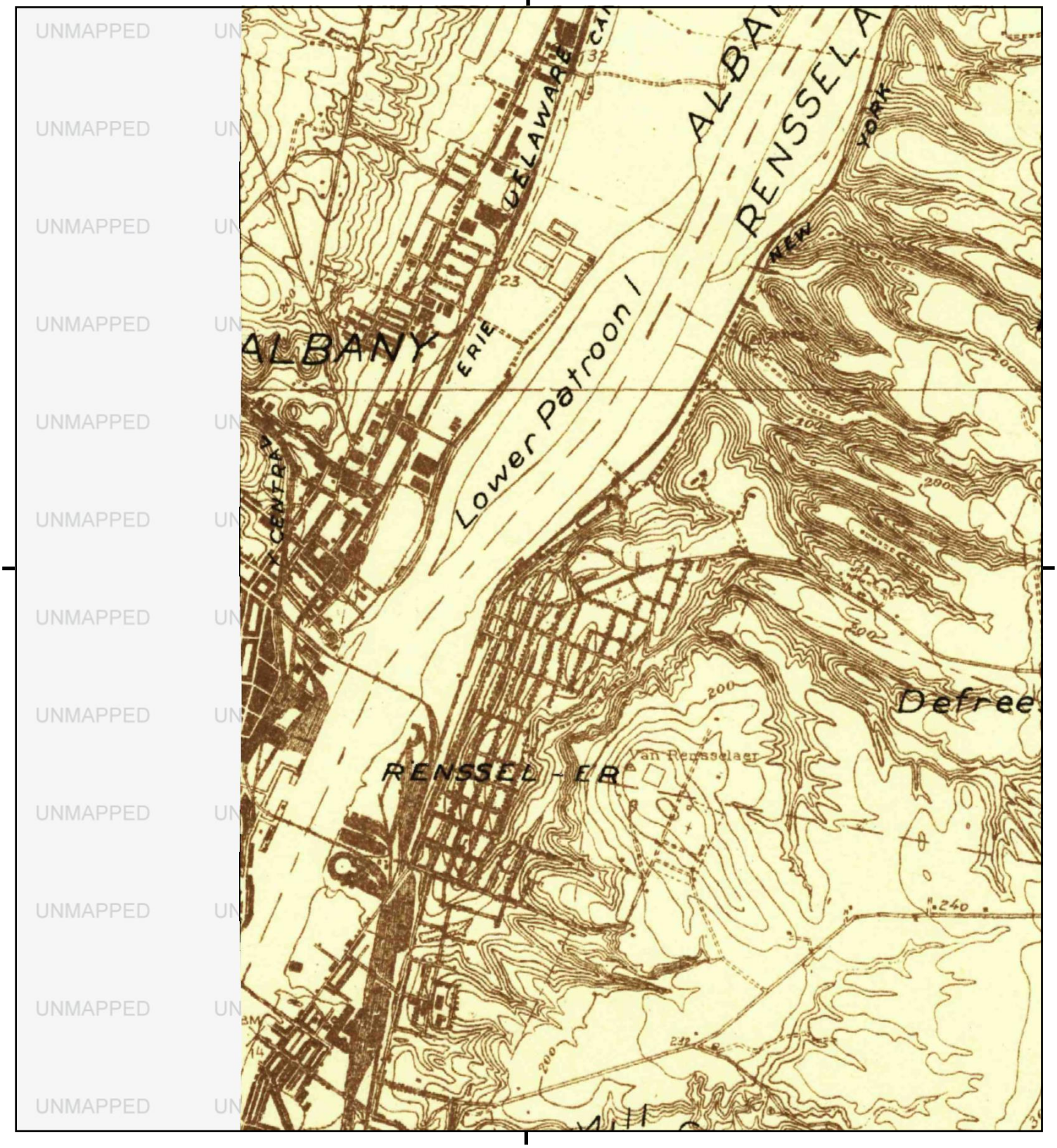
TP, Troy, 1928, 15-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N

Historical Topo Map

1925



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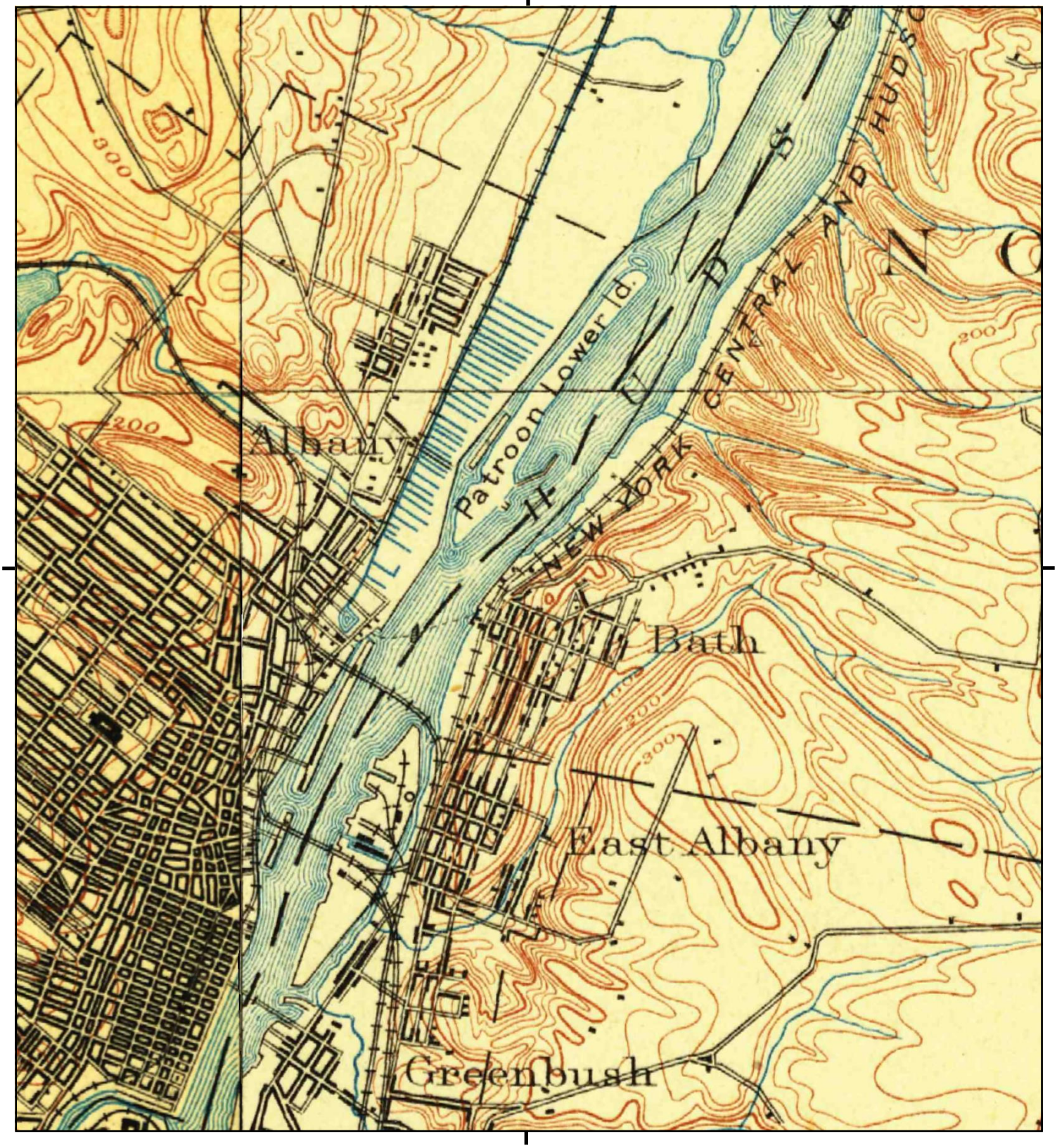
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Troy, 1925, 15-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N



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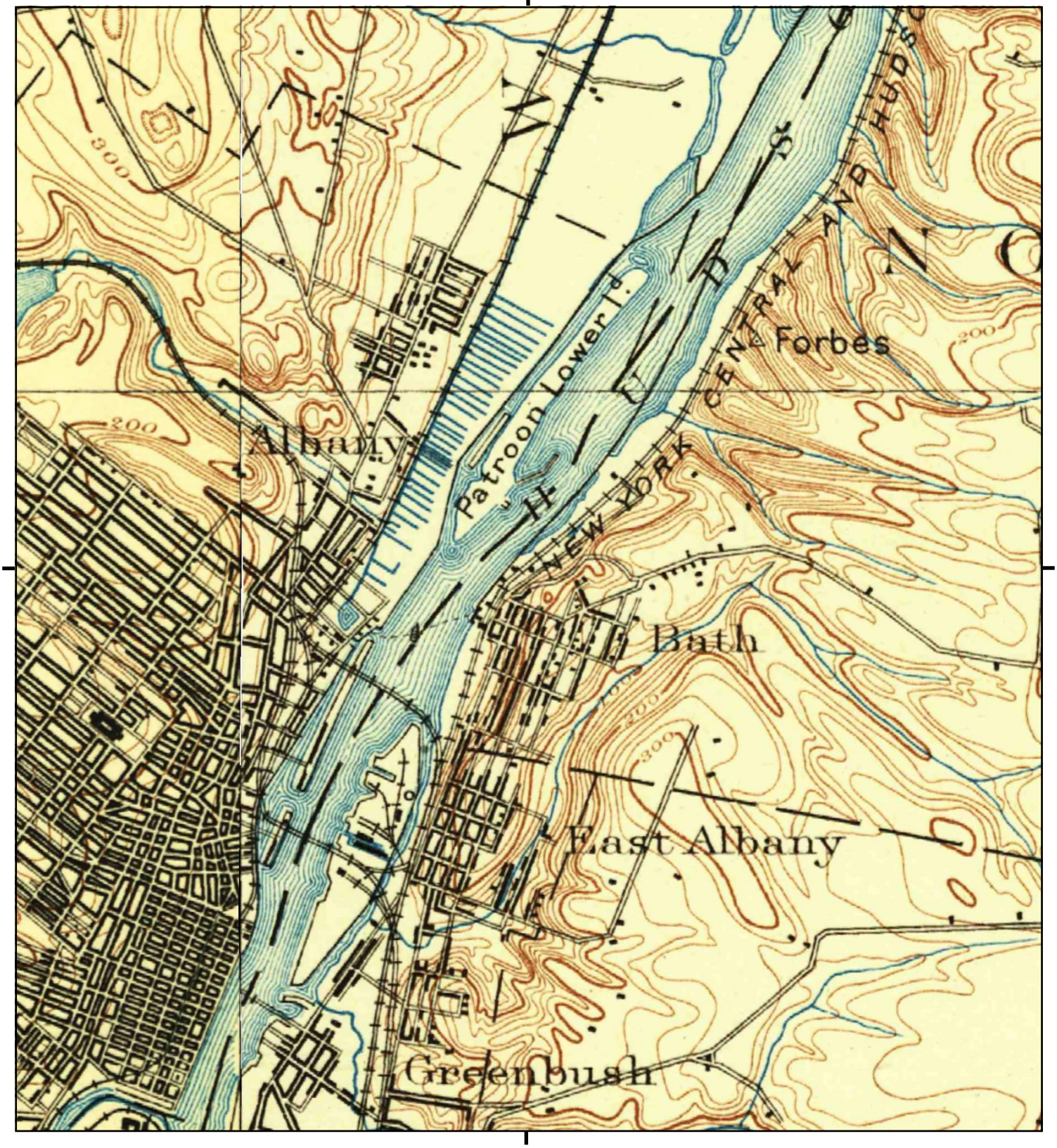
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Troy, 1898, 15-minute
W, Albany, 1898, 15-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N



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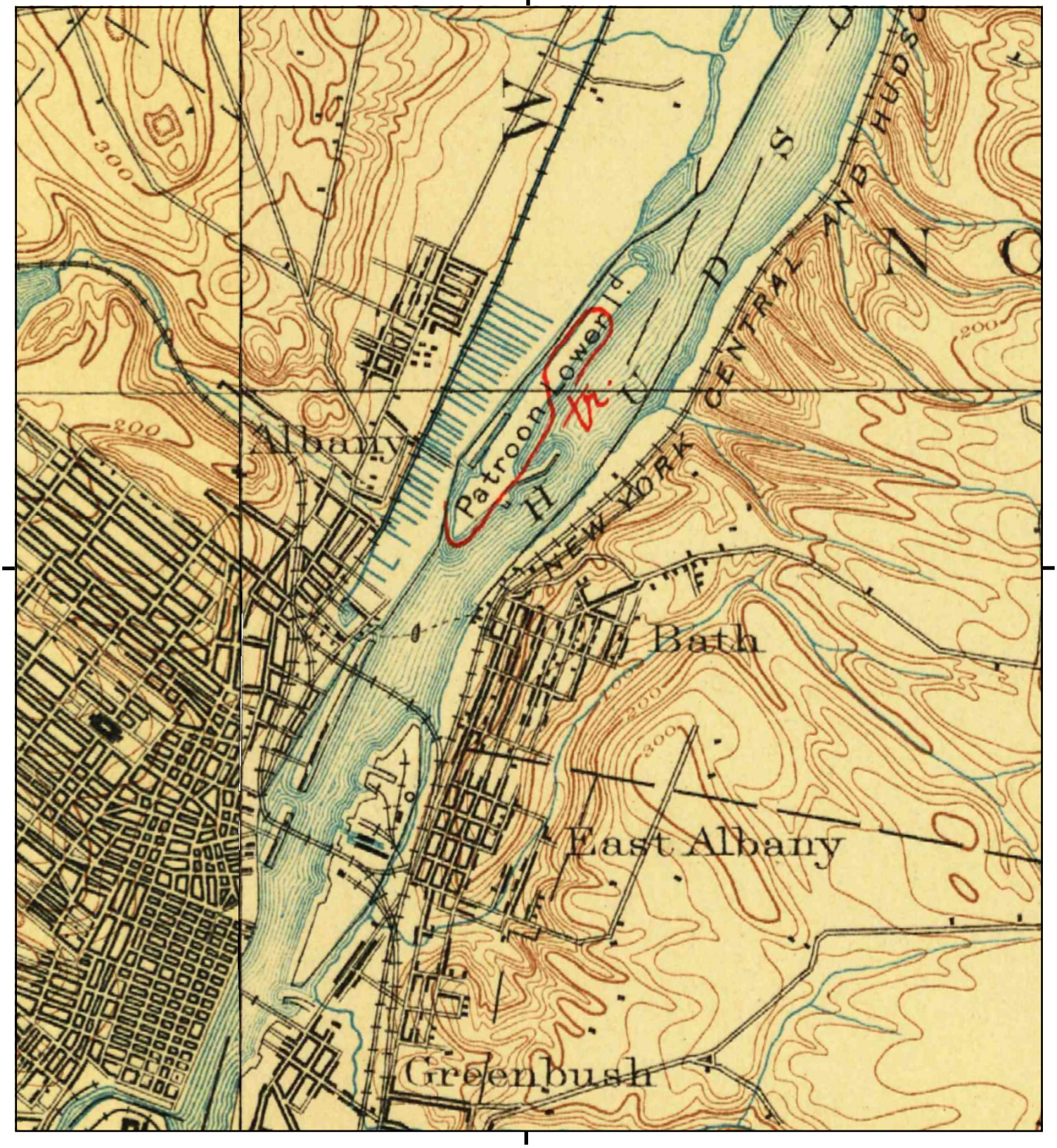
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Troy, 1895, 15-minute
W, Albany, 1895, 15-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N



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NW N NE
W E
SW S SE

TP, Troy, 1893, 15-minute
W, Albany, 1893, 15-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N

Appendix F

ESA Questionnaires

Alpine Inc
ENVIRONMENTAL SERVICES

ASTM PRACTICE E 1527-13 USER QUESTIONNAIRE

Providing the following to the *environmental professional* (Alpine Environmental Services, Inc.) is one of the requirements to qualify for one of the *Landowner Liability Protections* (LLP) offered under CERCLA. Missing or incomplete could result in a determination that "*all appropriate inquiry*" is not complete.

User/Client Name(s): Mark Teliska

Subject Property Address: Former Barnet Mill, 20 Forbes Avenue, Rensselaer, New York

Property Type: Commercial

Type of Property Transaction:
- [x] a.) Sale
- [ ] b.) Lease
- [ ] c.) Other: _____

Reason Phase I ESA is Required:
- [ ] a.) Lender Requirement
- [x] b.) Risk Management
- [ ] c.) Other: _____

1. Are you aware of any environmental cleanup liens against property that are filed or recorded under federal, tribal, state or local law?
   ◉ No ○ Yes (Please explain)

2. Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded under federal, tribal, state or local law?
   ◉ No ○ Yes (Please explain)

3. As the user of the ESA do you have specialized knowledge or experience related to the property or nearby properties? (For example, are you involved in the same line of business as the current or former occupants of the property?)
   ○ No ◉ Yes (Please explain)
   Owner/Partner of the property since 2017

4. Does the purchase price paid for this property reasonably reflect the fair market value of the property?
   ○ No (Please explain) ◉ Yes

5. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?
   ○ No ◉ Yes (Please explain)
   Most familiar with the property because from research as well as onsite experience

Alpine Environmental Services, Inc. 438 New Karner Road, Albany, New York 12205
Ph. (518) 250-4047, Fax (518) 250-4353

(a.) Do you know that past uses of the property?
○ No ☑ Yes (Please explain)

Formerly Barnett Mill and later used as an industrial park for multiple tenants

(b.) Do you know of specific chemicals that are present or once were present at the property?
☑ No ○ Yes (Please explain)

(c.) Do you know of spills or other chemicals releases that have taken place at the property?
☑ No ○ Yes (Please explain)

(d.) Do you know of any environmental cleanups that have taken place at the property?
☑ No ○ Yes (Please explain)

6. As the user of this ESA, based on you knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?
☑ No ○ Yes (Please explain)

It is understood that the information presented in this form is an integral part of the Phase1 Environmental Site Assessment process and that Alpine will evaluate and rely on this information in the development of the final Phase 1 ESA report.

Questionnaire Completed by: Mark Teliska

Title: Owner/Partner

Company: BBL Barnett, LLC

Date: 7/8/21

Please return this questionnaire to: MarkS@AlpineEnv.com, Alpine Environmental Services, Inc., 438 New Karner Road, Albany, New York 12205, or fax (518) 250-4353 attention Mark Schnitzer.

Alpine Environmental Services, Inc. 438 New Karner Road, Albany, New York 12205
Ph. (518) 250-4047, Fax (518) 250-4353

Alpine Inc.
ENVIRONMENTAL SERVICES

OWNER/OWNER REPRESENTATIVE QUESTIONNAIRE
PHASE I ENVIRONMENTAL SITE ASSESSMENT (ASTM E 1527-13)

Owner/Owner Rep. Name(s): Mark Teliska

Address: 2431 Old Coach Drive Castleton, NY 12033

Phone/Email: 518-365-4775 mteliska@pcs-ny.com

Subject Property Address: Former Barnet Mill, 20 Forbes Avenue, Rensselaer, New York

Subject Property Type: Commercial

Type of Property Transaction:
- ☑ a.) Sale
- ○ b.) Lease
- ○ c.) Other: _____

1. What year did you become owner of the Subject Property? 2017

2. What is the current and past usage of the Subject Property?

Time Period	Usage
1905-1972	Barnett Mill Textile Company
1974-1994	Plastics Manufacturing
1996-2017	Industrial Park

3. Does the current sale price for the Subject Property reflect the fair market value?

☐ No (If no, please explain) ☑ Yes ☐ Not Applicable

4. What is the current heating fuel for the Subject Property? (Check all that apply)

- ○ Natural Gas
- ○ Fuel oil
- ○ Electric
- ○ Wood
- ☑ Not Heated/Not Applicable
- ○ Other _____

5. Do you have knowledge of a different heating fuel being used in the past for the Subject Property?

☐ No ☑ Yes (If yes, please explain)

Both oil and natural gas

Alpine Environmental Services, Inc. 438 New Karner Road, Albany, New York 12205
Ph. (518) 250-4047, Fax (518) 250-4353

6. Are you aware of any current or past chemical or petroleum storage tanks or drums, above ground or underground, located on the Subject Property?

☐ No ☑ Yes (If yes, please explain)

5 gallon pails were consolidated to drums by a licensed environmental company

7. Do you currently, or have you in the past, handled chemical or petroleum products on the Subject Property, excluding household cleaning or maintenance products in containers in non leaking condition, of one gallon or less?

☐ No ☑ Yes (If yes, please explain)

5 gallon pails of oil and anitfreeze were found scattered throughout the property and were removed by a licensed environmental company

8. Do you know of any chemical or petroleum spills or other releases that have taken place at the Subject Property?

☑ No ☐ Yes (If yes, please explain)

9. Do you know of specific chemicals or petroleum products that are present, or once were present, at the Subject Property?

☐ No ☑ Yes (If yes, please explain)

motor oil from past tenants and heating oil

10. Do you know of any environmental cleanups that have taken place at the Subject Property?

☐ No ☑ Yes (If yes, please explain)

Asbestos contamination was cleaned up in 2021 by Provincial Contractor Services, LLC

11. Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Subject Property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Subject Property; or any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?

☐ No ☑ Yes (If yes, please explain)

incidental asbestos disturbances - all incidental areas have been cleaned

12. Are you aware of any "Activity and Use Limitations" (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the Subject Property and/or have been filed or recorded under federal, tribal, state or local law?

☑ No ☐ Yes (If yes, please explain)

Alpine Environmental Services, Inc. 438 New Karner Road, Albany, New York 12205
Ph. (518) 250-4047, Fax (518) 250-4353

13. To the best of your knowledge, has the Subject Property, currently or in the past, been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard, landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

☐ No ☑ Yes (If yes, please explain)

automotive repair shops were present as past tenants

14. Are you aware of any environmental reports related to the Subject Property including, but not limited to:

Environment site assessment reports,
Environment compliance audit reports,
Environmental permits (for example, solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits),
Registrations for underground and above-ground storage tanks,
Registrations for underground injection systems,
Safety plans; preparedness and prevention plans;
Spill prevention, countermeasure, and control plans; etc.,
Hazardous waste generator notices or reports,
Geotechnical studies,
Asbestos, Lead based paint, PCB testing reports,
Risk assessments?

☐ No ☑ Yes (If yes, please explain)

Asbestos contamination assessments, asbestos surveys, environmental site assessment report

15. To the best of your knowledge, has any adjoining property, currently or in the past, been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard, landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

☑ No ☐ Yes (If yes, please explain)

Questionnaire Completed by: Mark Teliska

Title: Owner/Partner

Company: BBL Barnett, LLC

Date: 7/8/21

Amount of time with personal knowledge of the Subject Property: 4 years

Please return this questionnaire to: MarkS@AlpineEnv.com, Alpine Environmental Services, Inc., 438 New Karner Road, Albany, New York 12205, or fax (518) 250-4353 attention Mark Schnitzer.

Alpine Environmental Services, Inc. 438 New Karner Road, Albany, New York 12205
Ph. (518) 250-4047, Fax (518) 250-4353

Appendix G:

FOIL Request Information / Documents

OFFICE OF THE RENSSELAER COUNTY ATTORNEY
Carl J. Kempf III
Rensselaer County Attorney

Steven F. McLaughlin
County Executive

Peter R. Kehoe
Special Counsel
FOIL Officer
(518) 270-2950
pkehoe@rensco.com

June 15, 2021

VIA EMAIL ONLY: denises@alpineenv.com
Alpine Environmental Services, Inc.
Attn: Denise Salisbury
438 New Karner Road
Albany, New York 12205

Re: FOIL No. 2021-135

Dear Ms. Salisbury:

With respect to your above referenced Freedom of Information Law request, please be advised that, after diligent search of records by Rensselaer County, there are no records responsive to your request.

Very Truly Yours,

Special Counsel
FOIL Officer

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New York State Department of Environmental Conservation
2176 Guilderland Avenue, Schenectady, New York 12306
(518) 382-0680

Thomas C. Jorling
Commissioner

REGISTERED LETTER - RETURN RECEIPT REQUESTED

December 22, 1988

Mr. John Lewis
C. O. Jelliff Corporation
5 Forbes Road
Rensselaer, NY 12144

Re: Spill #88-06485

Dear Mr. Lewis:

On November 2, 1988, I discovered approximately 200 gallons of lubricating oil in a storm sewer which you discharge to . After laboratory analysis and observations by me, the source of the spill was from the 55-gallon drums located in the drum storage area. Also, oil was identified being discharged into the drainage ditch along the dock and entering the storm drain.

Your company has been identified as the source of this oil spill and the continual accumulation of oil in the storm sewer. Therefore, under Article 12 of the Navigation Law you are responsible for all cost incurred by the State for cleaning up this spill. Also, a fine will be recommended since this is not the first spill documented as coming from your facility.

You will be required to properly install and maintain an oil/water separator as required by SPDES Permit. Please contact Mr. Fred Sievers from this office for follow-up details. Until this separator or collection system is properly installed, I will utilize a contractor to monitor and pump out the storm sewer as needed. Therefore, I advise you to move on installation of an approved State Pollution Discharge System.

This Department considers the continual discharge of oil from your facility a sufficient problem and will actively pursue compliance with State regulations.

Should you have any further questions, please contact me.

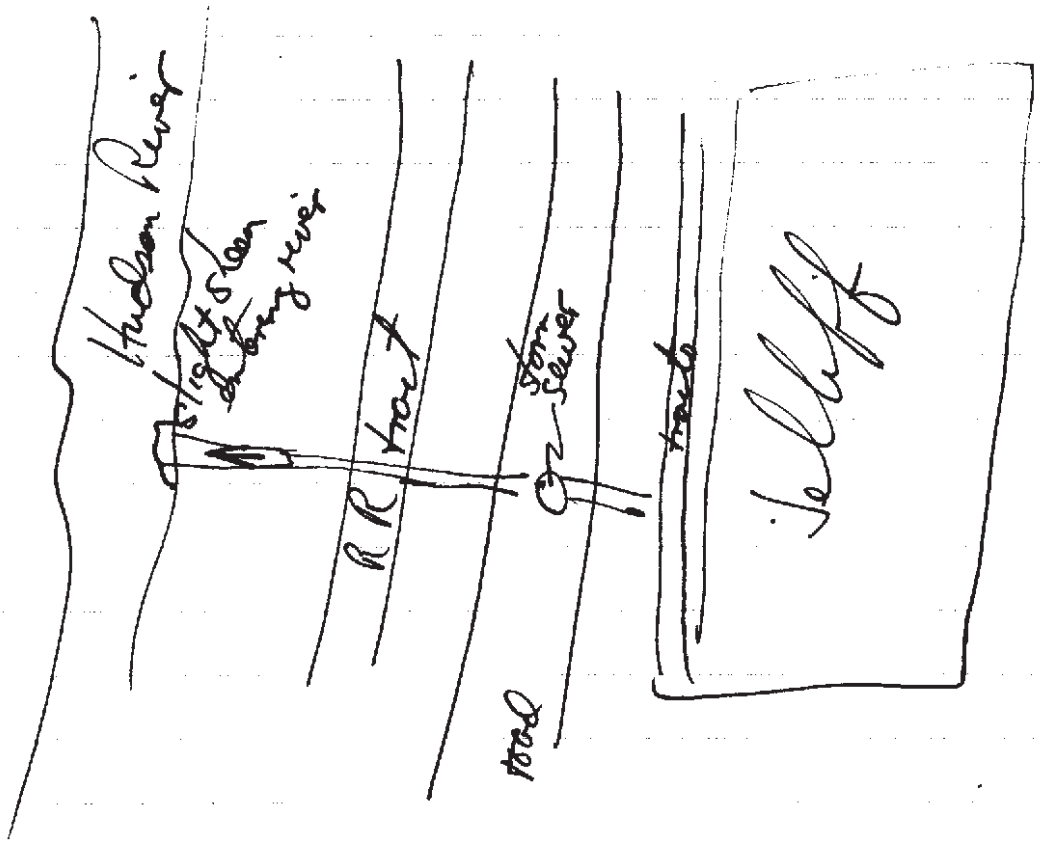
Sincerely,

Joseph McDonald
Regional Spill Investigator
Region IV

JM/gjh-5J24

cc: Fred Sievers

5/3/89 McDonald on scene
Jelliff Corp - Rensselaer - 30-50 gal oil in storm sewer. Domenuth pumped out oil and took oil sample to C+Hale for petroleum ID



Joe McD,

New York State Department of Environmental Conservation
2176 Guilderland Avenue, Schenectady, New York 12306
(518) 382-0680

Thomas C. Jorling
Commissioner

January 5, 1989

Mr. John Lewis
C. Jelliff Corporation
5 Forbes Road
Rensselaer, NY 12144

Re: Petroleum Spill
Rensselaer County

Dear Mr. Lewis:

In response to your telephone request of January 5, 1989, enclosed herewith please find basic design information that may be utilized by your Consulting Engineer in preparing plans for an oil/water separator to be used in conjunction with the previously mentioned petroleum product spill. In addition to the process design material, I have included forms to be used in applying for a State Pollutant Discharge Elimination System (SPDES) permit. The permit will be required for either the surface or groundwater discharge for the treated waste stream from your approved oil/water separator. The SPDES application when completed may be returned to the Regional Permit Administrator, Mr. William Clarke, at the above address. Engineering Report and plans for the separator should be submitted to Ms. Andrea Dzierwa, P.E., at the above address.

Should you have any questions or require any additional information, please feel free to contact me.

Sincerely yours,

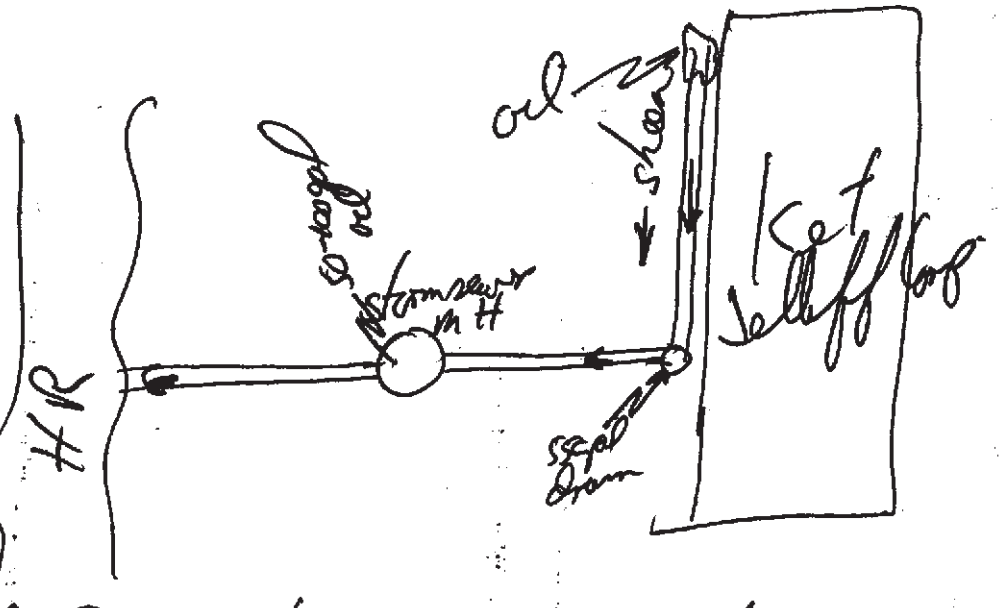
Frederick W. Sievers, P.E.
Associate Sanitary Engineer
Region IV

FWS/ml-21F29

cc: Joe McDonald

Jelliff Corp - Rec.

9/10/89
McDonald on scene - heavy oil sheen entering Hudson River from storm sewer



- McDonald hired Donemeth to install boom into River to contain oil / also pump out storm sewer.
- Discuss with Manager (John) that oil coming from Jelliff Corp property, unknown cause suspect oil trapped under blds / property entering storm sewer
- informed manager that state is going to install pump / separator to keep oil out of River - also his company could be billed if not

~~Sewer July 88 water softner will be charged~~
~~Monthly~~

~~odor~~

Mr John Lewis
C.O. Jelleff Corp
5 Forbes Road
Rensselaer, NY 12144

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

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ZFĀ7FĀZ-1K-UNERS@E-JKIHCDPARB-UEKI-9KQ@-@AUKEJ@@AR@KEV-RS@ZFQ@AJ@-KU-DAM-H@REKC@NI-PIHDJRB-P
RS@-@AVPEKAI@AR-KE-DAM-KRS@E-BHPCCBW-9CKB@QW-#$%

À # -"H"$),Ā-")&#-&+

)!$ĀĀ'** '? **)!,Ā&"($-&' ZFĀ7F? ĀZ **%&&-Ā"Ā-$#($+(Ā'** 4DCB@

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SPILL RESPONSE FORM

REGION: 4 6 SPILL NO. 8806485
SPILL NAME: Jelliff Corp CALLER NAME: McDonald
SPILL DATE: 11/2/88 TIME: 1100 AGENCY:
DATE: 11/03/88 INITIALS: MCJ TELEPHONE:

CENT.OFF.NOTIFIED - DATE: 11/03/88 TIME: 0900
REGIONAL OFFICE NOTIFIED - DATE: 11/2/88 TIME: 1105
ANSWERING SERVICE - DATE: / / TIME:
FIRST CALL: (A, C, (R)) REGIONAL OFFICE CALL RECEIVED BY:

PETROLEUM SPILLED
1) Gasoline
2) #2 Fuel
3) #4 Fuel
4) #6 Fuel
5) Diesel
6) Jet Fuel
(7) Waste Oil / hydraulic
8) Non-PCB Oil
9) PCB Oil
10) Kerosene
11) Unknown

CLASS OF MATERIALS
(1) Petroleum
2) Non Pet/Non Haz
3) Hazardous Material
4) Raw Sewage
5) Unknown

QUANTITY SPILLED (UNITS, (G) OR P): 200-300
OTHER MATERIAL:

SPILL LOCATION: 5 Forbes Rd
MUNICIPALITY: Rensselaer
COUNTY (CODE): Renn.

suspect
SPILLER NAME: The C.O. Jelliff Corp
ADDRESS: 5 Forbes Rd.
CITY, ST., ZIP: Rens. NY 12144
TELEPHONE: John Lewis
CONTACT PERSON: 449-7091

SPILL CAUSE
1) Human Error
2) Traf.Acc.
3) Eqpt Fail.
4) Vandalism
5) Test Fail.
6) Housekpg
7) Deliberate
8) Ab. Drums
9) Tank Fail.
10) Overfill
11) Other
(12) Unknown

SPILL SOURCE
(1) Comm/Ind.
2) Non-Comm.
3) Maj. Fac.
4) Non-Maj.Fac.
5) Gas Sta.
6) Pass. Veh.
7) Comm. Veh.
8) Tank Truck
9) Pvt. Dwelling
10) Vessel
11) Other
12) Unknown

RESOURCE AFFECTED
1) On Land
(2) In Sewer
3) Groundwater
4) Surface Water
5) Air

NOTIFIER
1) Resp.Party
2) Aff. Person
3) Police Dept
4) Fire Dept.
5) Tank Tester
(6) DEC
7) Citizen
8) Health Dept.
9) Loc.Agency
10) Fed. Gov't
11) Other

AFFECTED WATER BODY: Hudson River
DRAIN BASIN/SUB BASIN: 0301
PROJECT I.D. NO. (PIN):
TIME & ACTIVITY CODE:
STATUS (A, C):
COST CENTER CODE:
ENVIRON.COMPLETE DATE: / /
DATE ISR SENT TO C.O.: / /

CLOSED DATE: / /
LAST INSPECTION DATE: / /
INSPECTOR: McDonald
PBS REG. #
CLEANER: Donemuth
(1) PIN 2) SPILLER 3) LOC.AG 4) NO ACT

REMARKS: Oil entering Hudson River. McDonald spot checked found oil in storm sewer next to Jelliff Corp (ref).

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SPILL RESPONSE FORM

REGION: 7/6 SPILL NO. 8802485
SPILL NAME: Jelliff Corp CALLER NAME: McDonald (Dessured)
SPILL DATE: 11/2/88 TIME: 1100 AGENCY:
DATE: / / INITIALS: TELEPHONE:

CENT.OFF.NOTIFIED - DATE: / / TIME:
REGIONAL OFFICE NOTIFIED - DATE: 11/2/88 TIME: 1105
ANSWERING SERVICE - DATE: / / TIME:
FIRST CALL: (A, C, (R)) REGIONAL OFFICE CALL RECEIVED BY:

PETROLEUM SPILLED (Lubricating oil / ~~Hydraulic~~)
1) Gasoline
2) #2 Fuel
3) #4 Fuel
4) #6 Fuel
5) Diesel
6) Jet Fuel
(7) Waste Oil
8) Non-PCB Oil
9) PCB Oil
10) Kerosene
11) Unknown

CLASS OF MATERIALS
(1) Petroleum
2) Non Pet/Non Haz
3) Hazardous Material
4) Raw Sewage
5) Unknown

QUANTITY SPILLED (UNITS, (G) OR P): 200-300
OTHER MATERIAL:
~~Suspect 11/2/88 TO spill~~

SPILL LOCATION: 5 Forbes Rd
MUNICIPALITY: Rensselaer
COUNTY (CODE): Renn

SPILLER NAME: The C.O. Jelliff Corp
ADDRESS: 5 Forbes Rd
CITY, ST., ZIP: Reno, NY 12144
TELEPHONE: John Lebro
CONTACT PERSON: 449-7091

SPILL CAUSE
1) Human Error
2) Traf.Acc.
3) Eqpt Fail.
4) Vandalism
5) Test Fail.
6) Housekpg
7) Deliberate
8) Ab. Drums
9) Tank Fail.
10) Overfill
11) Other
(12) Unknown

SPILL SOURCE
(1) Comm/Ind.
2) Non-Comm.
3) Maj. Fac.
4) Non-Maj.Fac.
5) Gas Sta.
6) Pass. Veh.
7) Comm. Veh.
8) Tank Truck
9) Pvt. Dwelling
10) Vessel
11) Other
12) Unknown

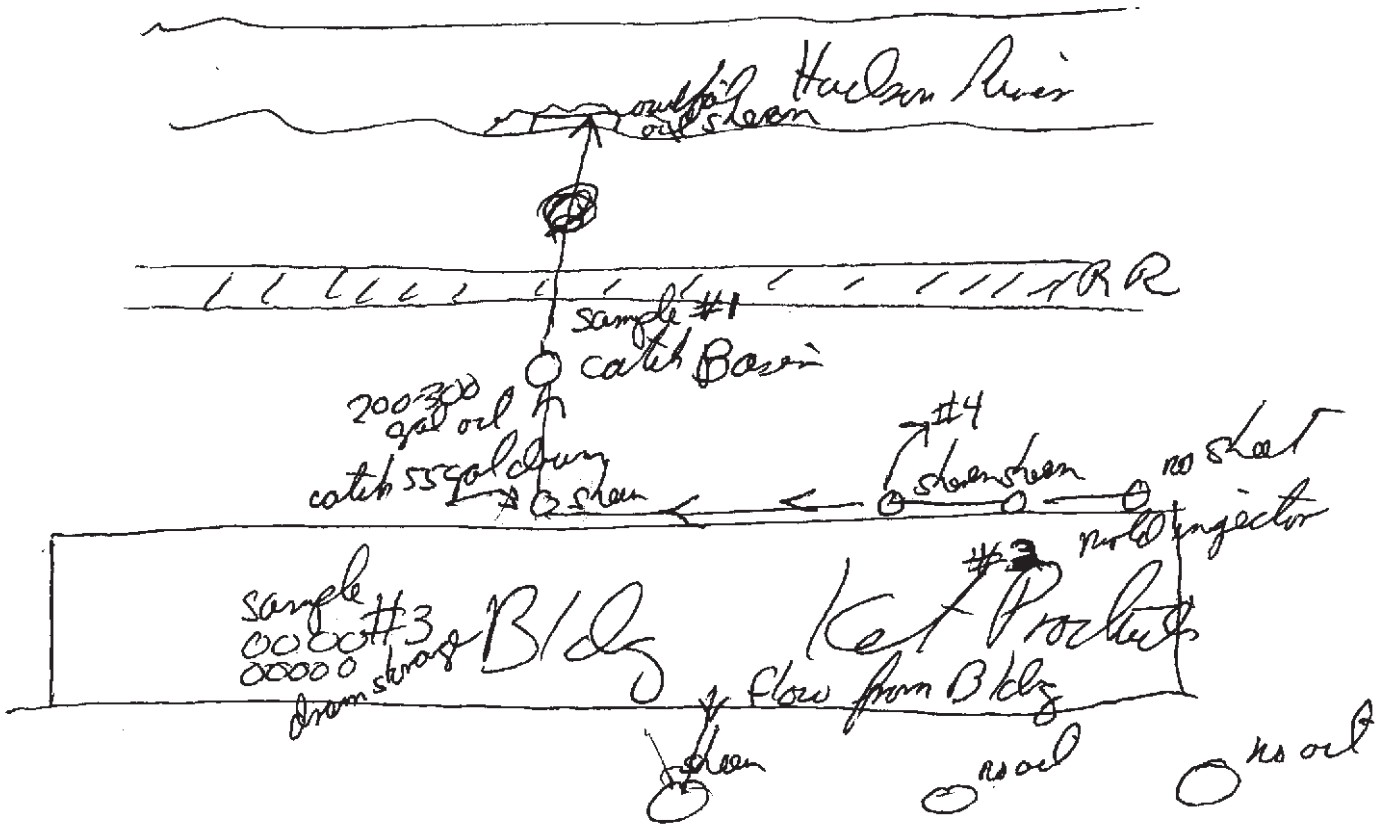
RESOURCE AFFECTED
1) On Land
(2) In Sewer
3) Groundwater
4) Surface Water
5) Air

NOTIFIER
1) Resp.Party
2) Aff. Person
3) Police Dept
4) Fire Dept.
5) Tank Tester
(6) DEC
7) Citizen
8) Health Dept.
9) Loc.Agency
10) Fed. Gov't
11) Other

AFFECTED WATER BODY: Hudson River
DRAIN BASIN/SUB BASIN: 0301
PROJECT I.D. NO. (PIN): SP 98434
TIME & ACTIVITY CODE: 8143
STATUS ((A) C):
COST CENTER CODE: 9098 4343 - 88
ENVIRON.COMPLETE DATE: / /
DATE ISR SENT TO C.O.: / /

CLOSED DATE: / /
LAST INSPECTION DATE: / /
INSPECTOR: McDonald
PBS REG. #
CLEANER: Dunsmuir
(1) PIN 2) SPILLER 3) LOC.AG 4) NO ACT.

REMARKS: Oil entering Hudson River. McDonald Sat checked found oil in storm sewer next to Jelliff Corp (ref).



hill

↓ Rens.

McDonald talked to John Lewis - Mr Lewis / McDonald stated oil looks like motor oil (dark in color) Ket Products does not use motor oil. McDonald talked to Robert Kelley (Ket Prod) feels oil not theirs - Start to have contractor ad sample for ID.

11/3/88 McDonald on scene with CT Mal

Request Sample #1 PCB, Lead, Petro ID, fingerprint

#2 Petro ID, fingerprint

#3 " " " "

#4 Petro ID ~~only~~ fingerprint

Domermuth Environmental Services

January 30, 1989

NYS Dept. of Env. Conservation
Region 4
2176 Guilderland Avenue
Schenectady, NY 12306
Attn: Mr. Joseph McDonald
Regional Spill Investigator

RE: Environmental Field Survey and
Dye Tracer Results - Jelliff Factory

Dear Sir:

Enclosed please find four (4) copies of the report developed in response to the request of the New York State Department of Environmental Conservation (NYS DEC), Region 4, for Domermuth Environmental Services to conduct an Environmental Field Assessment of the Jelliff Corp. Factory in Rensselaer, New York. The information contained in this report is based on a review of the facts provided by your office and from our field determinations made during this investigation.

Please contact us in the event that any additional information is required.

Sincerely,
Domermuth Environmental Services

George E. Courtney III

George E. Courtney III
Senior Project Hydrogeologist

GEC:lb
Enc.

(518) 768-2214 (315) 432-1025

P.O. Box 62 Clarksville, New York 12041 700 Hartwell Ave. East Syracuse, New York 13057

I. INTRODUCTION

Domermuth Environmental Services was contacted by the New York State Department of Environmental Conservation (NYS DEC) and asked to perform an Environmental Study involving a Dye Tracer Test at the Jelliff Corporation property in Rensselaer, New York.

This action was taken because of the fact that the site has had a recent and past history involving repeated releases of oil to the environment (NYS DEC, J. McDonald, personal communication). During a recent inspection of the site by NYS DEC Region 4 field personnel an accumulation of viscous oil was observed in a manhole catchment on the Western (Hudson River) side of the referenced property site.

The present Jelliff building dates to at least the 1903 to 1907 period (Mr. John Lewis personal communication). The previous owner was William Barnett Wool Reprocessing Company. The Jelliff Corporation, Plastics Division of KET Products, took over ownership about 1975.

A field meeting took place at the site between Domermuth's Senior Hydrogeologist and the NYS DEC Region 4 Spill Investigator on December 1, 1988 during which project

requirements were discussed in detail. The purpose of the Dye Tracer Test and Environmental Survey was to attempt a source location, check possible interconnection of drainage pathways (conduits etc.), and to determine approximate drainage flow rates at a time of low surface runoff.

The eastern side of the property faces a steep enbankment. Runoff from the embankment courses into sewer drains on the western side of the propety as well as continually being channelled beneath the factory through drains leading to a drainage line (collection system running continuously along the western edge of the building). (See site map schematic.)

II. PROCEDURES

The procedure for the Dye Tracer Test was to mix 2 to 3 tablespoons of Eoysine Red Dye in a one gallon plastic container. At 12:00 P.M. on December 30, 1988 one gallon of the liquid dye mixture was released to the main sewer drain (brick lined). The sewer drain was then flushed with approximately sixty gallons of water from a nearby hydrant. Two hours ellapsed during which no dye was observed in the drainage system on the western side of the Jelliff Factory.

A second dye tracer and time of travel test was performed at 2:50 P.M. on December 30, 1988 at the northwestern factory area of the building. This test determined that water exiting the factory does flow into a drainage network on the western (Hudson River) side of the building. The dye was observed to travel approximately four hundred linear feet in twenty minutes or at a flow velocity of approximately twenty (20) feet per minute.

One drain conduit exiting the Jelliff Factory main building was observed to flow at approximately two gallons per minute. A second drain flowed at approximately one half to less than one gallon per minute. On the day in which the

field work for this study was done, the weather was sunny, cold, and dry with no accumulated snow groundcover. It had not precipitated for a week or more prior to the study and the flow regime (volume and rates) in the drainage systems were very sluggish at the time of flow testing.

Several checks conducted through the factory building did not reveal the presence of any visible floor drains that could be dye traced. During walkthrough of the building, numerous 'suspect entry points' were observed where spilled or leached oil could exit the building through subsurface drainage conduits (paths) which exit the western side of the building. Oil contamination spilled or leaking in this manner would tend to accumulate in the manhole where the oil was originally found.

III. OBSERVATIONS

A lubricating oil was observed contained in pans around machines within the building. Numerous full and empty 55 gallon drums were observed before and during this environmental site study. No obvious or apparent leakages or spillages were noticed within the factory at the time of the study but many old drainage conduits were observed around machines especially in the building to the north of the main factory (production) building.

We estimate that there was approximately 2 to 3 gallons of accumulated highly viscous oil in the main manhole at the time of the study. The following recommendations can be made with respect to the referenced Jelliff Factory site as a result of this preliminary study:

1) An environmental audit should be performed to remove all unnecessary oil storage in old unused machines, vats, drums, etc. This step would go a long way toward alleviating further inadvertent releases of oil to the environment.

2) An oil water separator should be installed that will intercept oil migrating via the drainage conduits beneath the factory. The separator should be checked in the beginning at one month intervals phasing into a three month (quarterly) check with any large oil accumulations to be pumped and disposed of when necessary.

IV. SUMMARY AND RECOMMENDATIONS

A balance between environmental well being and a cost effective solution can take place at the site if the above fairly simple measures are undertaken.

There appears to be no hydraulic interconnection between the sewer drains on the eastern side of the property and the runoff drainage network running beneath the Jelliff Production Building. Runoff was observed to collect along the western (Hudson River) side through an extensive system of conduits running under the building. Any oil allowed to leak from the factory floor will thus enter this system and migrate to the manhole area where it has been observed to accumulate.

Given the full context of the accumulating oil problem and previous spill history, it is our estimate that this oil contamination did indeed originate within the confines of the Jelliff property site. This fact is further substantiated by laboratory analysis (Appendix A) which indicates a match between hydraulic lubricants in the factory oil drums and the accumulation in the manhole. A trace of fuel oil was also noted in the analysis whith may originate from the area shown in photographs 2, 7 and 8 where contaminated soil was located. Appropriate environmental measures need to be taken in order to insure that further releases are diminshed and contained with the hope of their ceasing completely.

Furthermore, it is our belief that this can be accomplished in a cost effective manner if proper cooperation takes place between the current property owners, NYS DEC, and whichever contracting firm is selected to install the appropriate safeguards. Installation of an oil water separator would prevent oil originating in the factory from flushing into the drainage line into the Hudson River. A fairly good gradient exists for surface and near surface runoff from the embankment across the terrace where the factory is located.

The accompanying site map schematic depicts possible environmental problem areas with X symbols. Photodocumentation visually dipicts some of the problem areas. Simple "environmental house keeping" together with the recommended corrective action plan (C.A.P.) should serve to alleviate further releases of oil to the environment from the factory site.

DOMERMUTH ENVIRONMENTAL SERVICES

SITE LOCATION MAP

FIGURE 1

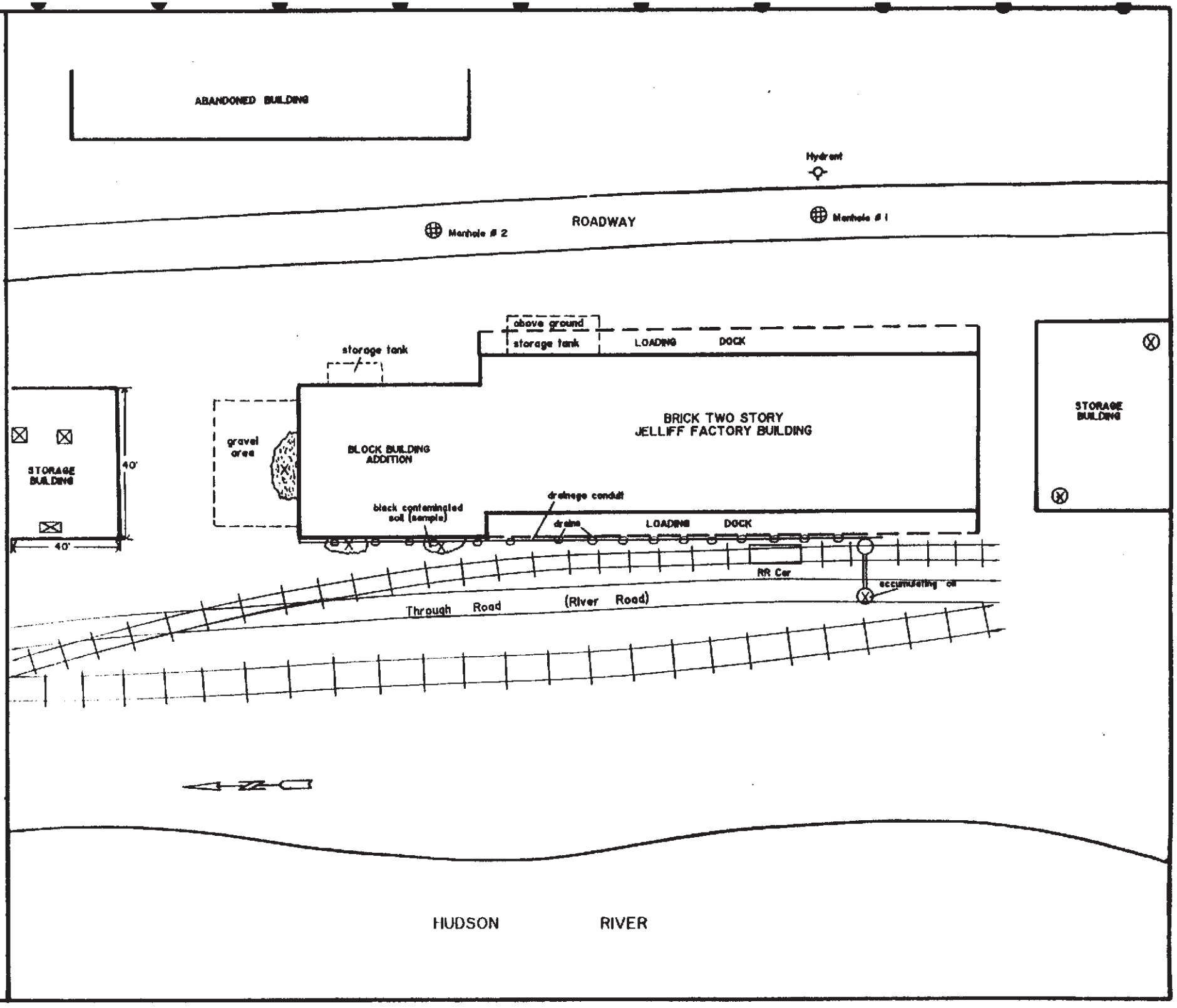
SOURCE: N.Y.S. DEPT. OF TRANSPORTATION
TROY SOUTH QUADRANGLE

0 .5 1 Mile

SCALE

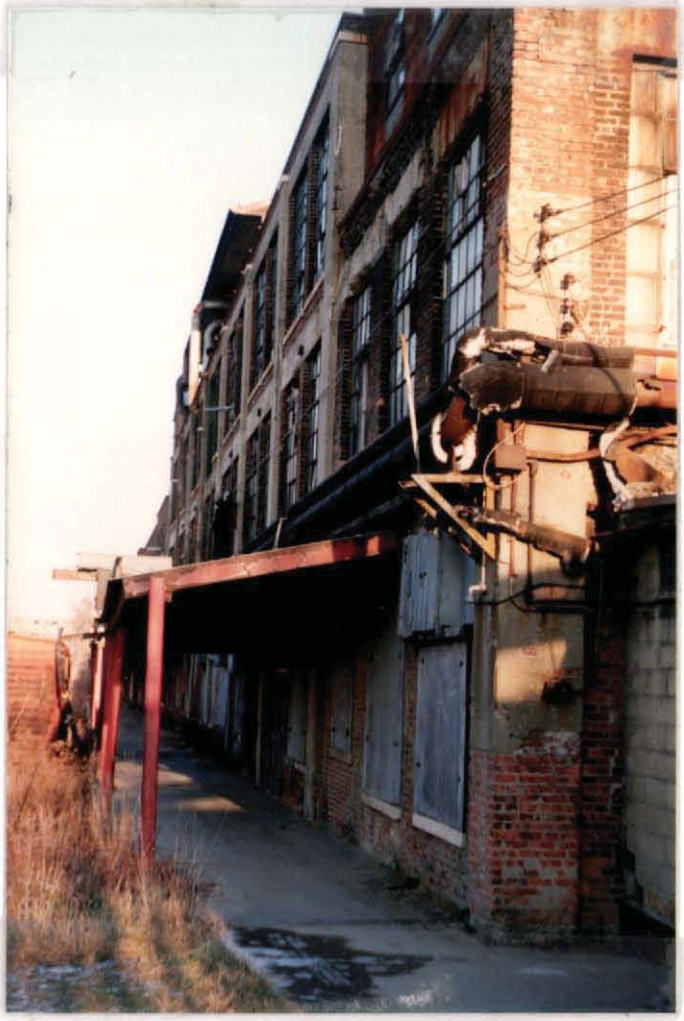
1 : 24,000

N



DOMERMUTH ENVIRONMENTAL SERVICES
PROJECT No. 4128DES
JELLIFF CORPORATION SITE
RENSSELAER, NEW YORK

PHOTOGRAPHS



Photograph #1 - Jelliff Corporation Facility building, view looking north parallel to main drainage collection pipe.

Photograph #2 - Stained outside wall probably from oil product leakage, note drainage pipe running under feet of field technician.

Photograph #3 - Bailer coated with viscous oil product from main hole collection point on western side of building.

Photograph #4 - View looking north (Hudson River) side of Jelliff Building. Abandoned railroad car in middle of picture (left of loading dock).

Photograph #'s 5 & 6 - Drainage network junction on western (River) side of building.

Photograph #7 - Drainage pipes exiting northern area of main Jelliff Corporation Building.

Photograph #8 - View of petroleum contaminated soil and surface water at north western area of Jelliff Corporation Building.

Photograph #9 - Gravel area at northern end of Jelliff Building, with signs of recent oil spillage in dark area near shovel.

Photograph #10 - Buried underground storage tank at northeastern area of main Jelliff Building.

Photograph #11 - Separate block building at northern end of Jelliff property where leaking oil and stored oil was observed during site check.

Photograph #12 - Drainage pipe leading from hill area (eastern side) of site to edge of block addition to main Jelliff building.

Photograph #13 - Field technician pouring dye into manhole opening located on eastern side of Jelliff property.

Photograph #14 - Use of water from hydrant to flush dye through the sewer drainage on eastern side of Jelliff site.

Photograph #15 - Oil stained soil and wall area of Jelliff property site (northwestern area).

Photograph #16 - Underground storage tank on southern end of Jelliff property.

NYSDEC SPILL REPORT FORM

DEC REGION# 4 (Schenectady) SPILL NUMBER 9516416
SPILL NAME: CON RAIL DEC LEAD:
CALLER'S NAME: PATRICIA EVANS NOTIFIER'S NAME: PATRICIA EVANS
CALLER'S AGENCY: METCALF & EDDY ENGINEERG NOTIFIER'S AGENCY: METCALF & EDDY ENGINEERG
CALLER'S PHONE: (518) 463-2100 EXT. NOTIFIER'S PHONE: (518) 463-2100 EXT.

SPILL DATE: 03/21/96 TIME: 10:00
CALL RECEIVED DATE: 03/21/96 TIME: 11:29 RECEIVED BY CID #: 205

	Material Spilled	Mat. Class	Am't Spilled	Units	Am't Recovered
1)	WASTE OIL	(Pet)-Haz-Other-Unk.	Unknown	(Gal) Lbs	0
2)		Pet-Haz-Other-Unk.		Gal - Lbs	
3)		Pet-Haz-Other-Unk.		Gal - Lbs	
4)		Pet-Haz-Other-Unk.		Gal - Lbs	

SPILL LOCATION

PLACE: CON RAIL
STREET: FORBES ROAD
T/C/V: RENNSELAER CO: RENSSELAER
CONTACT:
PHONE: EXT.

POTENTIAL SPILLER

NAME: UNK
STREET:
CITY:
STATE: ZIP:
CONTACT:
PHONE: EXT.

SPILL CAUSE

Human Error; Traffic Accident; Equipment Failure; Vandalism; Tank Test Failure*; Housekeeping; (Deliberate); Abandoned Drums; Tank Failure; Tank Overfill; Other; Unknown

SPILL SOURCE

Gas Station; Passenger Vehicle; Comm. Vehicle; Tank Truck; Private Dwelling; Vessel; Railroad Car; Major Facility; Non-Maj Facility; Comm/Indust; Non-Comm/Instit; (Unknown)

RESOURCE AFFECTED

(On Land); In Sewer; Groundwater; Surface Water**; Air

**WATERBODY:

SPILL REPORTED BY

(Responsible Party); Affected Persons; Police Department; Fire Department; Tank Tester; DEC; Citizen; Health Dept.; Local Agency; Federal Gov't; Other

CALLER REMARKS: caller states it looks like some one changed oil in car and dumped oil.oil in man hole. could go into hudson river.

*PBS Number	Tank Number	Tank Size	Test Method	Leak Rate

PRIMARY CONTACT CALLED DATE: TIME: hrs. REACHED DATE: TIME: hrs.
SECONDARY CONT. CALLED DATE: TIME: hrs. FAXED BY CID#: 205

PIN #	T & A	Cost Center	ISR to Central Office
Cleanup Ceased	Meets St'ds NO	Last Inspection	Penalty NO
RP-CUI	ENF-INIT	INVES-COM	CAP
UST Trust Eligible NO	Site: A B C D E	Resp. Party 1 2 3 4 5 6	Reg Close Date

Created on 03/21/96 Last Updated on 03/21/96 Is Updated? YES EDO 3/27/96 P.M. DATA INPUT [ ]
Date Printed: 03/21/96

Mar 21 96 11:23 No.015 P.01 TEL:8185

NYSDEC SPILL REPORT FORM

DEC REGION# 4 (Schenectady) SPILL NUMBER 9516418
SPILL NAME: ~~CONRAIL~~ Jeliff DEC LEAD:
CALLER'S NAME: PATRICIA EVANS NOTIFIER'S NAME: PATRICIA EVANS
CALLER'S AGENCY: METCALF & EDDY ENGINEERG NOTIFIER'S AGENCY: METCALF & EDDY ENGINEERG
CALLER'S PHONE: (518) 463-2100 EXT. NOTIFIER'S PHONE: (518) 463-2100 EXT.

SPILL DATE: 03/21/96 TIME: 10:00
CALL RECEIVED DATE: 03/21/96 TIME: 11:29 RECEIVED BY CID #: 205

Material Spilled	Mat. Class	Am't Spilled	Units	Am't Recovered
1) WASTE OIL	(Pet)-Haz-Other-Unk.	1 pint Unknown	(Gal) Lbs	0
2)	Pet-Haz-Other-Unk.		Gal - Lbs	
3)	Pet-Haz-Other-Unk.		Gal - Lbs	
4)	Pet-Haz-Other-Unk.		Gal - Lbs	

SPILL LOCATION Jeliff
PLACE: ~~CONRAIL~~ Jeliff
STREET: FORBES ROAD
T/C/V: RENNSELAER CO: RENSSELAER
CONTACT:
PHONE: EXT.

POTENTIAL SPILLER
NAME: ~~UNK~~ Jelliff
STREET:
CITY:
STATE: ZIP:
CONTACT:
PHONE: John Lewis EXT.

SPILL CAUSE

Human Error	Tank Test Failure*	Tank Failure
Traffic Accident	Housekeeping	Tank Overfill
Equipment Failure	(Deliberate)	Other
Vandalism	Abandoned Drums	Unknown

SPILL SOURCE

Gas Station	Private Dwelling	Non-Maj Facility
Passenger Vehicle	Vessel	Comm/Indust
Comm. Vehicle	Railroad Car	Non-Comm/Instit
Tank Truck	Major Facility	(Unknown)

RESOURCE AFFECTED

(On Land)	Groundwater	Air
In Sewer	Surface Water**	

**WATERBODY:

SPILL REPORTED BY

(Responsible Party)	Tank Tester	Local Agency
Affected Persons	DEC	Federal Gov't
Police Department	Citizen	Other
Fire Department	Health Dept.	

CALLER REMARKS: caller states it looks like some one changed oil in car and dumped oil.oil in man hole, could go into hudson river. Blain onsite 3/21/96 3:30PM Met Pat Evans and John Lewis (Jeliff Mgr). Lewis relates no manufacturing going on in plant for a couple of years. Film of oil on separator. no discharge

*PBS Number	Tank Number	Tank Size	Test Method	Leak Rate
		Close.		

PRIMARY CONTACT CALLED DATE: TIME: hrs. REACHED DATE: TIME: hrs.
SECONDARY CONT. CALLED DATE: TIME: hrs. FAXED BY CID#: 205

PIN #	T & A	Cost Center	ISR to Central Office
Cleanup Ceased	Meets St'ds NO	Last Inspection	Penalty NO
RP-CUI	ENF-INIT	INVES-COM	CAP
UST Trust Eligible NO	Site: A B C D E	Resp. Party 1 2 3 4 5 6	Reg Close Date

Created on 03/21/96 Last Updated on 03/21/96 Is Updated? YES EDO DATA INPUT [ ]
Date Printed: 03/21/96

Mar 21 96 11:23 No.015 P.01 TEL:8185

93-19-1 (12/90)—26c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER • BUREAU OF SPILL PREVENTION AND RESPONSE

PETROLEUM BULK STORAGE APPLICATION

Pursuant to the Petroleum Bulk Storage Law, Article 17, Title 10 of ECL; and 6 NYCRR 612-614.

(Continued on Reverse Side—Please Be Sure to Complete Section B)

Region 4
2176 Guilderland Ave
Schenectady, N.Y. 12306

RECEIVED

Please Type or Print Clearly and Complete All Items

SECTION A—See Instructions on Cover Sheet

PBS NUMBER: X 4-443514

Indicate Other Existing DEC Numbers, if any, for this Facility:

CBS Number:

SPDES Number:

TRANSACTION TYPE (Check all that apply)
NOTE: Transaction Types 1, 2 and 5 require a fee.

1. ☐ Initial/ New Facility
2. ☐ Change of Ownership
3. ☒ Substantial Tank Modification
4. ☐ Information Correction
5. ☐ Renewal

Geographical Locator for this Facility: (If known)

LATITUDE: DEG MIN SEC

LONGITUDE: DEG MIN SEC

FACILITY

NAME: C.O. JELLIFF, CORP

LOCATION (Not P.O. Boxes): 5 FORBES ROAD

LOCATION (Continued):

CITY/TOWN/VILLAGE: RENSSELAER | STATE: NY | ZIP CODE: 12144

COUNTY: RENSSELAER | TOWNSHIP OR CITY: RENSSELAER

NAME OF OPERATOR AT FACILITY: JELLIFF, CORP | FACILITY TELEPHONE NUMBER: (518) 449-7090

EMERGENCY CONTACT NAME: JOHN LEWIS | EMERGENCY CONTACT PHONE NO.: (518) 477-2337

OWNER

NAME:

ADDRESS (Street and/or P.O. Box):

CITY | STATE | ZIP CODE

FEDERAL TAX ID NO. | OWNER TELEPHONE NUMBER ( )

TYPE OF OWNER (Check only one)
1 ☐ Private Resident 2 ☐ State Government 3 ☐ Local Government
4 ☐ Federal Government 5 ☐ Corporate/Commercial

MAILING CORRESPONDENCE

ATTENTION: MR. R.M. KELLY - PRESIDENT

NAME OF COMPANY: C.O. JELLIFF CORP

ADDRESS: P.O. BOX 758

ADDRESS: 354 REQUOT AVE.

CITY/STATE/ZIP CODE: SOUTHPORT, CT 06490

TELEPHONE NUMBER ( )

TYPE OF PETROLEUM FACILITY: (Check all that apply)

A. ☐ Storage Terminal/Petroleum Distributor
B. ☐ Retail Gasoline Sales
C. ☐ Other Retail Sales
D. ☒ Manufacturing
E. ☐ Utility
F. ☐ Trucking/Transportation
G. ☐ Apartment Building
H. ☐ School
I. ☐ Farm
J. ☐ Private Residence
K. ☐ Airline (Air Taxi)
L. ☐ Other (Specify)

X I hereby certify under penalty of perjury that the information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

NAME OF OWNER OR AUTHORIZED REPRESENTATIVE: JOHN LEWIS | AMOUNT ENCLOSED: $

TITLE: PLANT MANAGER

SIGNATURE: John Lewis | DATE: 9-15-93

OFFICIAL USE ONLY

Page 1 of 1

Date Received: 9/17/93

Date Processed: 12/3/93

Amount Received $ —

Reviewed By: D.O'B.

PBS NUMBER: 4-443514

Tank Information for Petroleum Bulk Storage Facility

SECTION B—See Instructions on Cover Sheet

	Action	Tank Number	Tank Location	Status	Installation or Permanent Closure Date (MO)	(YR)	Capacity (Gallons)	Product Stored	Tank Type	Tank Internal Prot.	Tank External Protection	Piping Location	Piping Type	Piping Internal Prot.	Piping External Protection	Secondary Containment	Leak Detection	Spill/ Overfill Prevention	Dispenser	Last Test Date (underground Tanks) (MO)	(YR)
X	3	2	3	3	09	93	1000	3	1	0	0	1	4	0	0	0	0	0	2		

KEY FOR SECTION B

ACTION
1 Initial Listing
2 Add Tank
3 Close/Remove Tank
4 Information Correction
5 Recondition/Repair/ Reline Tank

TANK LOCATION
1 Aboveground
2 Aboveground on saddles legs, stilts, rack, or cradle
3 Aboveground: 10% or more below ground
4 Underground
5 Underground, vaulted, with access

STATUS
1 In-service
2 Temporarily out-of-service
3 Closed—Removed
4 Closed—In Place
5 Tank Converted to Non-Regulated Use

PRODUCT STORED
0 Empty
1 Leaded Gasoline
2 Unleaded Gasoline
3 Nos. 1, 2, or 4 Fuel Oil
4 Nos. 5 or 6 Fuel Oil
5 Kerosene
6 Diesel
A Lube Oil
9 Other*

TANK TYPE
1 Steel/Carbon Steel
2 Stainless Steel Alloy
3 Concrete
4 Fiberglass Coated Steel
5 Fiberglass Reinforced Plastic (FRP)
6 Equivalent Technology
9 Other*

PIPING TYPE
0 None
1 Steel/Iron
2 Galvanized Steel
3 Fiberglass (FRP)
4 Copper
9 Other*

INTERNAL PROTECTION: Tank/Piping
0 None
1 Epoxy Liner
2 Rubber Liner
3 Fiberglass Liner (FRP)
4 Glass Liner
9 Other*

EXTERNAL PROTECTION: Tank/Piping
0 None
1 Painted/Asphalt Coating
2 Sacrificial Anode
3 Impressed Current
4 Fiberglass
5 Jacketed
6 Wrapped (Piping)
9 Other*

PIPING LOCATION
0 None
1 Aboveground
2 Underground
3 Aboveground/Underground Combination

SECONDARY CONTAINMENT
0 None
1 Vault
2 Double-Walled Tank
3 Excavation Liner
4 Cut-off Walls
5 Impervious Underlayment
6 Earthen Dike
7 Prefabicated Steel Dike
8 Concrete Dike
A Synthetic Liner
B Natural Liner
9 Other*

LEAK DETECTION
0 None
1 Interstitial Monitoring
2 Vapor Well
3 Groundwater Well
4 In-tank System
5 Concrete Pad w/channels
6 Double Bottom
9 Other*

SPILL/OVERFILL PREVENTION
0 None
1 Float Vent Valve
2 High Level Alarm
3 Automatic Shut-off
4 Product Level Gauge
5 Catch Basin
6 Vent Whistle
9 Other*

DISPENSER
1 Submersible
2 Suction
3 Gravity

* If Other, please list on separate sheet including the Tank Number

CHAZEN ENVIRONMENTAL SERVICES, INC.

Capital District Office:

1407 Route 9, Bldg. 1
Clifton Park, NY 12065
Phone: (518) 371-0929 Fax: (518) 371-0623

www.chazencompanies.com
Email: albany@chazencompanies.com

Dutchess County Office:
Phone: (914) 454-3980

North Country Office:
Phone: (518) 812-0513

Orange County Office:
Phone: (914) 567-1133

01/156

RECEIVED
APR 24 2001
Freedom

April 19, 2001

all program

Ms. Toni Mauceri
NYSDEC Region 4
1150 North Westcott Road
Schenectady, New York 12306

B:11B, Jm 5/1, out 5/2

Please review for foil and return to me Thanks.
Pam

Re: Foil Request
Former Barnett Mills Site
City of Rensselaer, Rensselaer County
Chazen Project No. 90126.00

Dear Ms. Mauceri:

Pursuant to the Freedom of Information Law, we are requesting information on the above referenced site for inclusion in a Phase I Environmental Assessment Report. The site property is the former Barnett Mills site, located on Barnett and Forbes Roads in the City of Rensselaer, Rensselaer County, New York. It is our understanding that portions of this facility are currently leased and operated as the Hilton Industrial Park.

Pursuant to FOIL, records pertaining to the subject site are requested, specifically information pertaining to the following:

- Access to Spill Prevention and Response records pertaining to the following site spills: NYSDEC Spill No. 9901771; NYSDEC Spill No. 9516418; NYSDEC Spill No. 8806485; NYSDEC Spill No. 8602120; and NYSDEC Spill No. 8202013
- A copy of the PBS tank registry listed for the site as PBS4-443514. The Chazen Companies is interested in reviewing any tank closure records and/or investigations pertaining to this tank

Dave O'Brien

New York State Department of Environmental Conservation
Bureau of Spill Prevention and Response - Room 326
50 Wolf Road, Albany, New York 12233-3520

Thomas C. Jorling
Commissioner

July 6, 1992

Mr. John Lewis
Jelliff Corp.
5 Forbes Road
Rensselaer, NY 12144

Dear Mr. Lewis:

Department of Environmental Conservation inspector recently conducted an inspection of your facility to verify compliance with New York State's Petroleum Bulk Storage regulations 6 NYCRR Parts 612, 613, and 614. The inspection report is enclosed.

During the inspection the following deficiencies were noted and must be corrected within 30 days.

1. You have registered with this Department an empty 10,000 gallon capacity aboveground storage tank once used to store cotton seed oil. This tank should be removed from your registration since this tank is not applicable to our petroleum bulk storage regulations.
2. Fill ports are not color coded. Part 613.3(b)

You may contact me at (518) 382-0680 for any additional questions pertaining to this inspection.

Thank you for your cooperation.

Sincerely,

for Joe McDonald

Dave O'Brien
Petroleum Bulk Storage Inspector
Region 4
2176 Guilderland Ave.
Schenectady, N.Y. 12306

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
PETROLEUM BULK STORAGE FACILITY INSPECTION REPORT

THIS INSPECTION IS BEING CONDUCTED TO DETERMINE COMPLIANCE WITH THOSE REQUIREMENTS NOTED BELOW OF THE NEW YORK STATE PETROLEUM BULK STORAGE REGULATIONS (6 NYCRR PART 612, 613, 614). PLEASE BE ADVISED THAT IT IS THE LEGAL RESPONSIBILITY OF THE TANK OWNER TO ENSURE THAT ALL REQUIREMENTS OF THE NYS PETROLEUM BULK STORAGE REGULATIONS ARE COMPLIED WITH AT THIS FACILITY.

Exp 8/93

FACILITY NAME Jelliff Corp PBS# 443514

ADDRESS 5 Forbes Pl CITY/TOWN Penn. ZIP 12144

FACILITY CONTACT John Lewis

COUNTY Ren. FACILITY PHONE # (518) 449-7090

TANK OWNER Jelliff Corp

ADDRESS _____ CITY/TOWN _____ STATE _____ ZIP _____

PRODUCTS STORED: GASOLINE KEROSENE DIESEL (FUEL OIL #2) MOTOR OIL OTHER

10k tank empty

I. FACILITY REGISTRATION AND RECORDS

1.	Facility is registered under NYS PBS. (Part 612.2)	(Y)	N	N/A
2.	Registration certificate is posted at facility. (Part 612.2[e])	(Y)	N	N/A
3.	Registration information appears to be current and correct. (Part 612.2) remove 10k from list	(Y)	(N)	N/A
4.	Monthly Inspection Reports are being kept for aboveground tanks. (Part 613.6[c])	Y	(N)	(N/A)
5.	Detailed 10-year inspections have been conducted for existing aboveground tanks with a capacity of 10,000 gallons or more, or any tank which could reasonably be expected to discharge petroleum to the waters of the State. (Initial inspection must be performed when tank is 10 years old, or by Dec. 27, 1990, whichever is later.) (Part 613.6[b])	Y	N	(N/A)
6.	Monitoring records for cathodic protection and leak detection systems are maintained on the premises for aboveground (on-ground) tanks and/or underground tanks for a period of at least one year (Part 613.5[b])	Y	N	(N/A)
7.	Inventory records are kept for underground tanks. (Part 613.4) 1000 & 550	Y	(N)	N/A
8.	Underground tanks and piping have been tested as required. (Part 613.5)	Y	N	(N/A)
9.	Completed test reports for underground tank and piping systems have been sent to NYSDEC. (Part 613.5[a][4])	Y	N	(N/A)

DISCUSSION: 10,000 gal formly used to store cotton seed oil- never used for petroleum Storage, Pipes disconnected requested owner to remove from PBS registration

10000 gal - 10% aboveground therefore tank should be registered as a UST, tank appears to be slightly corroded

II. OVERFILL PREVENTION AND SECONDARY CONTAINMENT SYSTEMS (6 NYCRR Part 613.3)

1. Fill ports are color coded (Part 613.3[b])	Y	(N)	N/A
2. Monitoring wells have been permanently marked and identified as "monitoring wells" Part 613.3[b][4])	Y	N	(N/A)
3. Shut off valves for remote pumping units at motor fuel dispensers are in place (Part 613.3[c][1]) (Shear valve/impact valve in Line at inlet of dispenser)	Y	N	(N/A)
4. Shut off valves for gravity fed motor fuel dispensers are in place (Part 613.3[c][2]) (Solenoid valve)	Y	N	(N/A)
5. All aboveground petroleum tanks are equipped with a level site gauge, high level warning alarm, or high level liquid pump cut off (Part 613.3[c][3])	Y	N	(N/A)
6. The design capacity, working capacity and identification number of tank is clearly marked on aboveground tanks (Part 613.3[c][3][ii])	Y	N	(N/A)
7. Fill pipes for pump filled tanks have check valves (Part 613.3[c][4])	Y	N	(N/A)
8. Gravity drained tanks have operating valves to control the flow of product (Part 613.3[c][5])	Y	N	(N/A)
9. Secondary containment is in place for aboveground tanks with a capacity of 10,000 gallons or more, or any tank which could reasonably be expected to discharge petroleum to the waters of the state (required by December 1990). (Part 613.3[c][6])	Y	N	(N/A)

DISCUSSION: will color code - green paint

III. GENERAL COMPLIANCE

1. Transfer Area/Loading Rack — Y N (N/A)

   a. Fill Ports

   b. Loading Rack/Arms:

2. Maintenance/Housekeeping — (Y) N N/A

   1000 u/g fO tank highly corroded no testing required - put possible leak

3. Oil/Water Separator — (Y) N N/A

   If so, describe the process it treats and where it discharges:

4. Stormwater Handling — Y N (N/A)

5. SPDES Permit and Wastewater Treatment — (Y) N N/A

   has SPDES - comp. has files

6. SPCC Plan (40 CFR Part 112) — Y N (N/A)

7. Chemical Bulk Storage Tanks — Y N (N/A)

   None

   use 55 gals Drums 111 TCE (1 drum)

8. Security/Lighting — Y N (N/A)

NYSDEC Representatives: Joe McDonald Title Env. Tech Date 6/17/92

Facility Representative: John Kelly Title PLT Manager Date 6/17/92

For Further Information Please Contact: David O'Brien Telephone 382-0680

(SY8)

COMMENTS:

2 pictures attached
company just about out of business

SKETCH OF FACILITY:

Dave,
Please follow-up.
(See pg. 2)
Mark

New York State Department of Environmental Conservation
2176 Guilderland Avenue, Schenectady, New York 12306
Tel. (518) 382-0680
FAX# (518) 382-1065

Thomas C. Jorling
Commissioner

October 4, 1991

CERTIFIED LETTER - RETURN RECEIPT REQUESTED
P 241 836 047

4-443514

Mr. R. M. Kelly
Executive Vice President
Jelliff Corporation
P.O. Box 758
354 Pequot Avenue
Southport, CT 06490

Re: Spill #88-06485
Jelliff Corporation
Rensselaer, Rensselaer Co.

Dear Mr. Kelly:

I recently inspected the Jelliff building in Rensselaer. The oil/water system was shut down due to pump failure. Upon reviewing the file, Allan Geisendorfer's letter to you, dated April 16, 1991, surfaced. To date, it appears that none of Mr. Geisendorfer's recommendations have been implemented. For his part, John Lewis, the manager, says that he's checked the system every other week, but keeps no log.

By copy of this letter, I am recommending that your SPDES Permit Application be denied due to:

- lack of maintenance, recordkeeping and sampling;
- the system as exists cannot handle the oil/floating solids mix; a better oil recovery/pumping system is required;
- no consideration for flowrate has been factored into system operation.

It is likely that the system will entrain the viscous oil during periods of high flow and active factory production. It may result in a discharge of oil to the Hudson River. If this is the case your company can be held accountable for additional discharge violations. Since there is still considerable tramp oil near discharge points and drainage systems, I will consider any such discharge as intentional.

On the positive side, I inspected the discharge on October 1, 1991. After a night of heavy rain, there was no oily discharge, nor sheen. Therefore, if the oil recovery system is upgraded, it should be an approvable process, if Mr. Geisendorfer's recommendations are implemented.

I also made the following observations:

- a leaking drum of a solvent containing sodium hydroxide stored next to a drum of hydrochloric acid. There were several other drums of miscellaneous chemicals nearby.
- a transformer under the loading dock containing Pyranol (a trade name transformer oil). It is near the main electrical panel. I noted that the main transformers have been tested for PCB's and labeled, but there was no label on this one.
- over a hundred drums of used oil stored in the basement (approximately 5,000 gallons). Many are open, bulged and in poor condition.
- all the drip pans in the manufacturing sections were filled, some overflowed and there is a significant housekeeping problem onsite.
- the 10,000g aboveground tank has been out of service for more than one year. Therefore, it must be either brought up to current Petroleum Bulk Storage standards or cleaned of the remaining two or three inches of oil, and permanently closed.

Please contact me to discuss these matters as soon as possible.

Sincerely yours,

William Blain, P.E.

William Blain, P.E.
Environmental Engineer I
Region IV

WEB/gjb-15W35

cc: A. Dzierwa
A. Geisendorfer
E. Hamilton
M. Klotz
William Marlow - Bldg & Planning, Rensselaer
C. Van Guilder

M&E **Anderson Equipment and Testing**

A Metcalf & Eddy Company

New York State
Department of Environmental Conservation
Region 4
2176 Guilderland Avenue
Schenectady, NY 12306

RE: Tank Removal Notification

To Whom It May Concern:

As per our phone conversation of FRIDAY 9/17/93
with DAVE O'BRIEN _____ of your
office, we will be removing underground storage tanks at
JELLIFF CORPORATION 5 FORBES AVE RENSSELAER
on WED 9/22/93.

We will contact your office if there are any changes. Please call our Environmental Department at (518) 463-2219 with any questions or comments.

Thank you for your attention.

Yours truly,

Mark Giaconia

Mark Giaconia
Project Coordinator

Mailing Address: P.O. Box 357 • Rensselaer, NY 12144
480 South Street • Rensselaer, NY 12144 • (518) 463-2100 • (518) 463-2108 • FAX (518) 463-0168

PEI

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PBS NOTIFICATION FORM

PBS NO. 4-443514

REGION

CALLER'S NAME: Mark

CALLER'S AGENCY: Anderson Eq.

CALLER'S PHONE: 463-2100

FACILITY NAME: Jeliff Corp.

STREET: 5 Barber Ave.

CITY/ST./ZIP: Ronsa, NY

COUNTY:

PHONE:

NOTIFY DATE: 9/17/93 TIME:

ACTION DATE: 9/22/93 TIME:

COMP. DATE: / / TIME:

OWNER NAME:

STREET:

CITY/ST./ZIP:

PHONE:

1 - REGISTERED

2 - NON-REGISTERED

Tank Action

1 - Register Existing
2 - Add
3 - Close/Remove
4 - Modify
5 - Leaking
6 - Inventory Loss
7 - Water Accum.
8 - No Action
9 - Tk Test Tight

Product Stored

1 - Leaded Gasoline
2 - Unleaded Gasoline
3 - Nos. 1,2 or 4 Fuel
4 - Nos. 5 or 6 Fuel
5 - Kerosene
6 - Diesel
7 - Other

Location

1 - Underground
4 - Aboveground

Status

1 - In Service
2 - Temporarily Out
3 - Permanently Out

Action	Tank Number	Location	Capacity	Product	Test Tight
3		1	1K	3	

And. Eq. to do closure report.

Water Resource

1 - Well
2 - Surface
3 - Unknown

DEC Requested

1 - Test Excavation
2 - Monitoring Well

REMARKS:

PERSON CONTACTED: D. O'Brien

INSPECTOR:

New York State Department of Environmental Conservation

2176 Guilderland Avenue, Schenectady, NY 12306

Tel. (518) 382-0680
FAX# (518) 382-1065

Thomas C. Jorling
Commissioner

September 17, 1993

R.M. Kelly
Jeliff Corp.
354 Pequot Ave.
Southport, CT 06490

RE: PBS #4-443514
Jelliff Corp.
5 Forbes Rd.
Rensselaer, NY 12144

Dear Mr. Kelly:

Enclosed is a copy of the Region 4 Assessment Guidance for Petroleum Tank Closure. An assessment is required for permanent tank closures. A site assessment is designed to determine if there is any contamination present at the site. Once any contamination is found then a site investigation needs to be done to determine the extent of the problem.

If the site assessment is being done in conjunction with a tank closure in place, the assessment should be done before the actual closure. If the tank is going to be removed, the assessment should be done during the tank closure. Submit a copy of the final report to the above address.

Please contact me if you have any questions.

Sincerely,

David A. O'Brien

Petroleum Bulk Storage Unit

printed on recycled paper

93-06-004 (1/91)—26c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PETROLEUM BULK STORAGE REGISTRATION CERTIFICATE

NYS DEC - REGION 4
2176 GUILDERLAND AVENUE
SCHENECTADY, NY 12306
(518) 382-0680

TANK NUMBER	DATE INSTALLED	TANK TYPE	CAPACITY (GALLONS)	DATE LAST TESTED	TESTING DUE DATE	
1	12/79	Steel/Carbon Steel	550			
2	12/82	Steel/Carbon Steel	1,000			*1

*1 - Aboveground tanks require monthly visual inspections and documented internal inspections as described in 6 NYCRR Pt. 613.

OWNER

JELLIFF CORP.
354 PEQUOT AVE.
SOUTHPORT, CT 06490

SITE

JELLIFF CORP.
5 FORBES RD.
RENSSELAER, NY 12144

OPERATOR (Name and Telephone Number)

JELLIFF CORP.
(518) 449-7090

EMERGENCY CONTACT (Name and Telephone Number)

JOHN LEWIS
(518) 477-2337

As an authorized representative of the above named facility, I affirm under penalty of perjury that the information displayed on this form is correct to the best of my knowledge. Additionally, I recognize that I am responsible for assuring that this facility is in compliance with all sections of 6 NYCRR Parts 612, 613 and 614, not just those cited below:

- The facility must be re-registered if there is a transfer of ownership.
- The Department must be notified within 30 days prior to adding, replacing, reconditioning, or permanently closing a stationary tank.
- The facility must be operated in accordance with the code for storing petroleum, 6 NYCRR Part 613.
- Any new facility or substantially modified facility must comply with the code for new and substantially modified facilities, 6 NYCRR Part 614.
- **This certificate must be posted on the premises at all times.** Posting must be at the tank, at the entrance of the facility, or the main office where the storage tanks are located.
- Any person with knowledge of a spill, leak or discharge must report the incident to DEC within two hours **(1-800-457-7362).**

Signature of Authorized Representative/Owner Date

Name of Authorized Representative/Owner (Please Print)

Title

ISSUED BY:
Commissioner Thomas C. Jorling

PETROLEUM BULK STORAGE ID NUMBER
4-443514

DATE ISSUED: 07/01/93
EXPIRATION DATE: 08/23/98

FEE PAID
$ 50

MAILING CORRESPONDENCE

R.M. KELLY
JELLIFF CORP.
354 PEQUOT AVE.
SOUTHPORT, CT 06490

THIS REGISTRATION CERTIFICATE IS NON-TRANSFERABLE

93-19-1 (12/90)—26c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER • BUREAU OF SPILL PREVENTION AND RESPONSE

PETROLEUM BULK STORAGE APPLICATION

Pursuant to the Petroleum Bulk Storage Law, Article 17, Title 10 of ECL; and 6 NYCRR 612-614.

(Continued on Reverse Side—Please Be Sure to Complete Section B)

Please Type or Print Clearly and Complete All Items

RETURN COMPLETED FORM & FEE TO:

NYS DEC - REGION 4
2176 GUILDERLAND AVENUE
SCHENECTADY, NY 12306
(518) 382-0680

SECTION A—See Instructions on Cover Sheet

PBS NUMBER: 4-443514

Indicate Other Existing DEC Numbers, if any, for this Facility:

CBS Number:

SPDES Number:

TRANSACTION TYPE (Check all that apply)
NOTE: Transaction Types 1, 2 and 5 require a fee.

1. ☐ Initial/ New Facility
2. ☐ Change of Ownership
3. ☐ Substantial Tank Modification
4. ☐ Information Correction
5. ☒ Renewal

Geographical Locator for this Facility: (If known)

LATITUDE: DEG MIN SEC

LONGITUDE: DEG MIN SEC

FACILITY

NAME: JELLIFF CORP.
LOCATION (Not P.O. Boxes): 5 FORBES RD.
LOCATION (Continued):
CITY/TOWN/VILLAGE: RENSSELAER
STATE: NY
ZIP CODE: 12144
COUNTY: RENSSELAER
TOWNSHIP OR CITY: RENSSELAER (C)
NAME OF OPERATOR AT FACILITY: JELLIFF CORP.
FACILITY TELEPHONE NUMBER: 518)449-7090
EMERGENCY CONTACT NAME: JOHN LEWIS
EMERGENCY CONTACT PHONE NO.: 518)477-2337

OWNER

NAME: JELLIFF CORP.
ADDRESS (Street and/or P.O. Box): 354 PEQUOT AVE.
CITY: SOUTHPORT
STATE: CT
ZIP CODE: 06490
FEDERAL TAX ID NO.: 06-0404250
OWNER TELEPHONE NUMBER: 518)449-7090
TYPE OF OWNER (Check only one)
1 ☐ Private Resident 2 ☐ State Government 3 ☐ Local Government
4 ☐ Federal Government 5 ☒ Corporate/Commercial

MAILING CORRESPONDENCE

ATTENTION: R.M. Kelly
NAME OF COMPANY: JELLIFF CORP.
ADDRESS: 354 PEQUOT AVE.
ADDRESS:
CITY/STATE/ZIP CODE: SOUTHPORT, CT 06490
TELEPHONE NUMBER: 518)449-7090 (203)-259-1615

TYPE OF PETROLEUM FACILITY:
(Check all that apply)

A. ☐ Storage Terminal/Petroleum Distributor
B. ☐ Retail Gasoline Sales
C. ☐ Other Retail Sales
D. ☒ Manufacturing
E. ☐ Utility
F. ☐ Trucking/Transportation
G. ☐ Apartment Building
H. ☐ School
I. ☐ Farm
J. ☐ Private Residence
K. ☐ Airline (Air Taxi)
L. ☐ Other (Specify)

I hereby certify under penalty of perjury that the information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

NAME OF OWNER OR AUTHORIZED REPRESENTATIVE: R.M. Kelly
AMOUNT ENCLOSED: $ 50.00
TITLE: President
SIGNATURE:
DATE: 6/2/93

OFFICIAL USE ONLY

Page 1 of 1
Date Received: 6/7/93
Date Processed: 6/29/93
Amount Received $ 50
Reviewed By: D.O'B.

MAY • 6 1993

PBS NUMBER: 4-443514

Tank Information for Petroleum Bulk Storage Facility

SECTION B—See Instructions on Cover Sheet

EXPIRATION DATE: 08/23/93

Action	Tank Number	Tank Location	Status	Installation or Permanent Closure Date (MO)		(YR)		Capacity (Gallons)	Product Stored	Tank Type	Tank Internal Prot.	Tank External Protection		Piping Location	Piping Type	Piping Internal Prot.	Piping External Protection		Secondary Containment		Leak Detection		Spill/ Overfill Prevention		Dispenser	Last Test Date (underground Tanks) (MO)		(YR)	
1	1	4	1	1	2	7	9	550	3	1					4				0		0		4		2				
1	2	3	1	1	2	8	2	1,000	3	1					4				0		0		4		2				
~~1~~	~~3~~	~~2~~	~~2~~	~~0~~	~~0~~	~~0~~	~~0~~	~~10,000~~	~~9~~	~~1~~									~~0~~		~~0~~				~~1~~				
	(3)							Tank cleaned and closed as of 1/18/93																					

KEY FOR SECTION B

ACTION
1 Initial Listing
2 Add Tank
3 Close/Remove Tank
4 Information Correction
5 Recondition/Repair/ Reline Tank

TANK LOCATION
1 Aboveground
2 Aboveground on saddles legs, stilts, rack, or cradle
3 Aboveground: 10% or more below ground
4 Underground
5 Underground, vaulted, with access

STATUS
1 In-service
2 Temporarily out-of-service
3 Closed—Removed
4 Closed—In Place
5 Tank Converted to Non-Regulated Use

PRODUCT STORED
0 Empty
1 Leaded Gasoline
2 Unleaded Gasoline
3 Nos. 1, 2, or 4 Fuel Oil
4 Nos. 5 or 6 Fuel Oil
5 Kerosene
6 Diesel
A Lube Oil
9 Other*

TANK TYPE
1 Steel/Carbon Steel
2 Stainless Steel Alloy
3 Concrete
4 Fiberglass Coated Steel
5 Fiberglass Reinforced Plastic (FRP)
6 Equivalent Technology
9 Other*

PIPING TYPE
0 None
1 Steel/Iron
2 Galvanized Steel
3 Fiberglass (FRP)
4 Copper
9 Other*

INTERNAL PROTECTION: Tank/Piping
0 None
1 Epoxy Liner
2 Rubber Liner
3 Fiberglass Liner (FRP)
4 Glass Liner
9 Other*

EXTERNAL PROTECTION: Tank/Piping
0 None
1 Painted/Asphalt Coating
2 Sacrificial Anode
3 Impressed Current
4 Fiberglass
5 Jacketed
6 Wrapped (Piping)
9 Other*

PIPING LOCATION
0 None
1 Aboveground
2 Underground
3 Aboveground/Underground Combination

SECONDARY CONTAINMENT
0 None
1 Vault
2 Double-Walled Tank
3 Excavation Liner
4 Cut-off Walls
5 Impervious Underlayment
6 Earthen Dike
7 Prefabicated Steel Dike
8 Concrete Dike
A Synthetic Liner
B Natural Liner
9 Other*

LEAK DETECTION
0 None
1 Interstitial Monitoring
2 Vapor Well
3 Groundwater Well
4 In-tank System
5 Concrete Pad w/channels
6 Double Bottom
9 Other*

SPILL/OVERFILL PREVENTION
0 None
1 Float Vent Valve
2 High Level Alarm
3 Automatic Shut-off
4 Product Level Gauge
5 Catch Basin
6 Vent Whistle
9 Other*

DISPENSER
1 Submersible
2 Suction
3 Gravity

* If Other, please list on separate sheet including the Tank Number

MAY 6 1993

NYS ENVIRONMENTAL CONSERVATION
2176 GUILDERLAND AVENUE

SCHENECTADY, NY 12306

(518) 382-0680

93-06-004 (

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PETROLEUM BULK STORAGE REGISTRATION CERTIFICATE

FEE PAID 250

TANK NUMBER	TESTING DUE DATE	DATE LAST TESTED	TANK TYPE	CAPACITY	DATE INSTALLED
001			BARE STEEL	550	12/79
002	*		BARE STEEL	1,000	12/82
003	*		BARE STEEL	10,000	UNKWN

* Aboveground tanks require monthly visual inspections and documented internal inspections every ten years as described in 6 NYCRR Part 613.

As authorized representative of the above named facilit
I affirm under penalty of perjury that the information displaye
on this form is correct to the best of my knowledg
Additionally, I recognize that I am responsible for assuring th
this facility is in compliance with all sections of 6 NYCRR Par
612, 613 and 614, not just those cited below:

- The facility must be reregistered if there is a transf of ownership.
- The Department must be notified within 30 days pri to adding, replacing, reconditioning, or permanen closing a stationary tank.
- The facility must be operated in accordance with t Code for Storing Petroleum, 6 NYCRR Part 613.
- Any new facility or substantially modified facility mu comply with the Code for New and Substantia Modified Facilities, 6 NYCRR Part 614.
- **This certificate must be displayed on the premis at all times.**

Signature of Representative/Owner

ISSUED BY:
COMMISSIONER THOMAS C. JORLING

PETROLEUM BULK STORAGE ID NUMBER 443514

DATE ISSUED 08/23/88

EXPIRATION DATE 08/23/93

OPERATOR
JELLIFF CORP.
5 FORBES RD.
RENSSELAER NY 12144

FACILITY
JELLIFF CORP.
5 FORBES RD.
RENSSELAER NY 12144

OWNER
JELLIFF CORP.
354 PEQUOT AVE.
SOUTHPORT CT 06490

EMERGENCY CONTACT
JOHN LEWIS
1694 RICHWOOD DR.
CASTLETON NY 12033
(518) 477-2337

DEPARTMENT COPY

93-09-1 (1/88)—26c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PETROLEUM BULK STORAGE APPLICATION

REMINDER

1. Enclose registration fee.
2. Make checks payable to: New York State Department of Environmental Conservation.
3. Return all four (4) copies of this application to the DEC Regional Office.

Facility Size and Fee
1,101-4,999—$50/facility
5,000-10,000—$150/facility,
10,001-399,999—$250/facility

Please Type or Print Clearly and Complete All Items

SECTION A

See Instructions on Back

APPLICATION NUMBER: 155686

TRANSACTION TYPE (Check one)
1 [X] Registration
2 [ ] Transfer
3 [ ] Substantial Facility Modification
4 [ ] Information Correction

Existing PBS Number: _____

1. NAME OF FACILITY: Jelliff Corporation
2. ADDRESS (Number and Street): 5 Forbes Road
3. CITY, TOWN, VILLAGE: Rensselaer — 4. STATE: NY — 5. ZIP CODE: 12144
6. COUNTY: Rensselaer — 7. TELEPHONE: (518) 449-7090

1. NAME OF OWNER: Jelliff Corporation
2. ADDRESS (Number and Street): 354 Pequot Ave.
3. CITY, TOWN, VILLAGE: Southport — 4. STATE: CT — 5. ZIP CODE: 06490
7. TELEPHONE: (203) 259-1615

1. NAME OF OPERATOR: Jelliff Corporation
2. ADDRESS (Number and Street): 5 Forbes Road
3. CITY, TOWN, VILLAGE: Rensselaer — 4. STATE: CT — 5. ZIP CODE: 12144
7. TELEPHONE: (518) 449-7090

1. NAME OF EMERGENCY CONTACT: John Lewis
2. ADDRESS (Number and Street): 1694 Richwood Drive
3. CITY, TOWN, VILLAGE: Castleton — 4. STATE: NY — 5. ZIP CODE: 12033
7. TELEPHONE: (518) 477-2337

OFFICIAL USE ONLY

PBS Number: 443514
Page 1 of 1
SWIS Code: 381400
Date Received: 7/20/88
Amount Received: $250.00
Received By: GN

I hereby affirm under penalty of perjury, that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

8 NAME/TITLE OF REPRESENTATIVE: R.M. Kelly - Vice Pres.

9 SIGNATURE: _____ DATE: 7-12-88

SECTION B

Action	Tank Number	Location	Capacity (Gallons)	Tank Type	Product Stored	Status	Installation Date (MO) (YR)	Leak Detection	Secondary Containment	Product Gauge	Piping Type	Dispenser	Official Use Only
1	1	1	550	1	3	1	79	6	6	1	8	2	
1	2	6	1000	1	3	1	82	6	6	1	8	2	
1	3	5	10000	1	7	2	Unknown — By Previous Owner	6	6	0		0	
							EMPTY. NOT USED FOR AT LEAST 12 YRS.						

KEY FOR SECTION B (Instructions on back)

ACTION
1 Register existing tank
2 Add Tank
3 Close/Remove Tank
4 Modify Tank

LOCATION
1 Underground
2 Underground vaulted, with access
3 Underground vaulted, no access
4 Aboveground
5 Aboveground on crib, etc.
6 Partially buried

TANK TYPE
1 Bare steel or steel with black asphalt coating
2 Steel in vault
3 Steel with interior epoxy lining
4 Steel retrofitted with cathodic protection
5 Steel with cathodic protection
6 Fiberglass coated steel
7 Fiberglass reinforced plastic
9 Equivalent Technology (See Instruction Sheet)

PRODUCT STORED
1 Leaded gasoline
2 Unleaded gasoline
3 Nos. 1, 2 or 4 fuel oil
4 Nos. 5 or 6 fuel oil
5 Kerosene
6 Diesel
7 Other

STATUS
1 In service
2 Temporarily out
3 Permanently out

INSTALLATION DATE
This location
Month/year (mm/yy)

LEAK DETECTION SYSTEM
1 Electronic
2 Vapor well
3 Sampling well
4 In-tank system
5 Other
6 None

SECONDARY CONTAINMENT
1 Diking
2 Vault
3 Double wall tank
4 Underground liner
5 Other
6 None

PRODUCT GAUGE
0 None
1 Gauge

PIPING TYPE
1 Steel/Iron
2 Galvanized Steel
3 Wrapped Steel
4 Fiberglass
5 Cathodically protected
6 Double walled
7 Unknown
8 Copper
9 Other

DISPENSER METHOD
1 Submersible
2 Suction
3 Gravity
4 Loading rack

REGION

April 29, 2013

Mr. Charles Moore, AICP, Director
Rensselaer Planning & Development Agency
City Hall
62 Washington Street
Rensselaer, NY 12144

RE: Hilton Center, Preliminary Site and Building Assessment
CHA Project: 24718-1001

Dear Mr. Moore:

CHA visited the site of the Hilton Center located on Forbes Avenue in the City of Rensselaer on April 25th and 26th. Paul Richards a Senior Code Administrator, completed the initial assessment of building code related issues and John Favreau, a Senior Environmental Scientist, completed the initial Hazardous Waste Assessment. Based on visual observations, our findings are as follows:

A. Site/Property:

1. Access for firefighting equipment is required on all four sides of the buildings. Based on the narrow road on the east elevation along with cars parked along the road, access would be limited. In addition, there is no access at the north end.

2. Fire hydrants are required. Currently there are three hydrants but only one is operational.

3. Designated parking for persons with physical disabilities (handicap) is required. Also, an accessible route is required from parking areas to buildings and spaces throughout the site. Currently, handicap parking and access are not provided.

B. Buildings 5 and 6:

1. Numerous building and fire code violations were found in both buildings. The following violations were typical of both buildings. Approximately 24 individual tenants or spaces were found to occupy the buildings. Not all spaces/rooms were inspected due to locked doors, and the building superintendent not having the necessary keys.

    - No smoke detection system or fire alarm system as required.
    - Fire sprinkler system is not provided as required.
    - Proper fire separations between tenant spaces are not provided.
    - Illuminated exit signs not provided in all spaces.

111 Winners Circle, P.O. Box 5269, Albany, NY 12205-0269
T 518.453.4500 • F 518.458.1735 • www.chacompanies.com

- Emergency lighting is not provided as required.
- Many spaces have no heat.
- Many spaces have no plumbing and/or rest rooms.
- Exit stairwells are not enclosed with fire rated construction as required.
- Fire doors are not provided as required.
- Open electrical boxes with exposed wiring.
- Numerous extension cords are being run from room to room or within rooms in place of permanent wiring.
- Power strips and extension cords are daisy chained together.
- Inadequate lighting in many spaces.
- Distance of travel to an exit is exceeded in some areas.
- Mechanical ventilation not provided as required.
- Electrical wire connections not code compliant.
- Kerosene heater in use as only heat source.
- Excessive fire load (combustibles) in storage areas.
- Furnaces not properly vented to the exterior.
- Inadequate number of exits provided in some spaces.
- Flammable solvents/liquids improperly stored.
- Tanks of compressed gases improperly stored.
- Electrical service cables hanging from ceilings/meters.
- Electric panels not labeled as required.
- Structural deficiencies at lower level masonry block walls.
- Portable fire extinguishers not provided as required.

2. Based on the number of violations as well as the severity (fire hazards, life safety and lack of fire protection) of most, every effort should be made to correct said violations immediately.

3. The above items noted are only a summary of our findings in Building 5, 6 and part of 7. Our final report will be provided once the remaining buildings are inspected.

C. Environmental Related Issues

1. An underground storage tank (UST) was identified adjacent to the south side of Building 4. Stained soil was observed around the vent pipe which extended above the ground surface, indicating a possible overfill of the tank. Based on the odor present, the tank contains fuel oil. The age, capacity, structural integrity and registration status of this tank are unknown. According to the regulatory database report reviewed for the property, there are no registered tanks associated with the site. Further inquiry should be made regarding this tank to obtain the above-referenced information.

2. An underground concrete vessel was identified adjacent to the west side of Building 4. This vessel is identified on historical maps as a "concrete tank". The tank contains an unknown liquid, and the capacity and structural integrity of tank are also unknown. The liquid in the tank should be identified, and if this tank is out of service, it is required to be properly closed.

3. Numerous drums and containers in rusted or otherwise poor condition, containing unknown liquids, were observed within the ground level of Building 5. Several areas of the concrete floor within this building are cracked or otherwise compromised, and in some areas the ground surface is exposed.

4. The City of Rensselaer Code Enforcement representatives observed that several drums and containers of unknown contents had been removed from Building 5 since their previous visit to the site a few weeks ago. The disposition of these drums and containers is unknown.

5. An apparent dumping area for various debris was identified at the northern end of the property. A significant amount of construction and demolition type debris was visible at the ground surface in this area. Based on the appearance of this area in conjunction with documented past actions of the property owner (including the attempted burial of a PCB-contaminated electrical transformer), there is reason to suspect the dumping and/or burial of potential hazardous waste materials in this area. Test pits should be completed in this area to evaluate subsurface conditions and the potential presence of buried debris.

6. Three apparently inactive 275-gallon heating oil tanks were observed within a storage space at the north end of Building 10, amidst other debris. It is unknown whether these tanks are empty. Staining was observed on the concrete floor beneath the tanks and a fuel oil odor was noted.

7. Suspect asbestos containing materials (ACM), including what appeared to be transite wall board and panels of asbestos insulation were observed on the upper floors of several tenant spaces. An asbestos survey should be completed to evaluate the types and quantities of ACM present within the site buildings.

Should you have any questions or require additional information on the noted items, please contact me at (518) 453-3938 or at swilson@chacompanies.com.

Sincerely,

Steven R. Wilson
Vice President

CHA

Appendix H

City Directory Documents

20 Forbes Ave
20 Forbes Ave
Rensselaer, NY 12144

Inquiry Number: 6490375.5
May 14, 2021

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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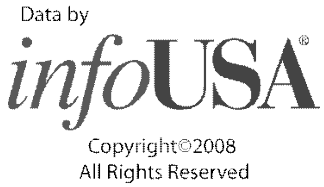


RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1988	☑	☐	Polk's City Directory
1983	☑	☐	Polk's City Directory
1978	☑	☐	Polk's City Directory
1973	☑	☐	Polk's City Directory
1968	☑	☐	Polk's City Directory
1963	☑	☐	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

20 Forbes Ave
Rensselaer, NY 12144

Year	CD Image	Source
FORBES AVE		
2017	pg A2	EDR Digital Archive
2014	pg A4	EDR Digital Archive
2010	pg A6	EDR Digital Archive
2005	pg A9	EDR Digital Archive
2000	pg A12	EDR Digital Archive
1995	pg A14	EDR Digital Archive
1992	pg A15	EDR Digital Archive
1988	pg A17	Polk's City Directory
1983	pg A18	Polk's City Directory
1978	pg A19	Polk's City Directory
1973	pg A20	Polk's City Directory
1968	pg A21	Polk's City Directory
1963	pg A22	Polk's City Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2017

4	RODDY, STEPHEN P
5	BILLETTS, KEVIN W
	EWENS, MELISSA A
	RODELL, CATHERINE
7	FRANCOIS, JEAN E
	REHDER, ANN M
9	MILLER, DEBBIE A
11	DOCKSTADER, JASON N
15	HULL, RAYMOND W
17	MOYER, ARTHUR C
20	HILTON CENTER
	WALLANT ARCHITECTS
25	KOSINSKI, EDWARD S
394	RIVENBURGH, JOSEPH J
460	ARDUINI, BERNARD P
	BRANBOW, GLORIA
	BROWN, ANTOINETTE
	BTAG, JOHN R
	BURDICK, SAM J
	BURKS, LEGENA
	BUROMETTO, VINCENT B
	BUSHNELL, JAMES
	CLEARY, ELEANOR
	COLE, CALVIN J
	CONNELL, WILLIAM T
	CONNORS, MATTHEW R
	COONS, VANGREGORY V
	CROSS, HARRIETT
	DAVIS, ANNETTE H
	DEBROCKY, RUSSELL B
	DIER, STEPHEN J
	DOMINSKI, LILLIAN M
	DONOVAN, PENNY A
	EVERETTE, JAMES
	FERNANDEZ, AGENA M
	FORTE, THOMAS J
	GARNIER, RUTH I
	GEIER, JOSEPH
	GMFVAN RENSSELAER H LLC
	GOGO, LINDA
	GOLDBERG, NICOLE R
	HART, GRACE C
	HENCHEY, JOAN M
	HINTZE, CHRISTINE M
	HOFFMAN, LAURELL M
	HORTON, JOHN
	HUGHES, KATHY
	JEROME, PATRICK O
	KAHLER, JOHN C
	KARIS, STELLA P

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2017 (Cont'd)

460 KLEINHANS, ETHEL R
LAGOY, PATRICIA A
LAMBERT, CAROL A
LATHAM, NANCY J
LUNDSTROM, GAIL A
LYNCH, MARGARETE
MCCAULEY, JANET S
MOSCA, DOMINICK M
MYERS, DIANE R
NESTLER, CHARLENE M
NOONAN, CHARLES J
NUGENT, RAMONA J
OAKES, DENISE G
OATHOUT, DANIEL H
PARENT, HELEN A
PARKER, ELIZABETH S
PETRAZZOULO, MICHAEL C
PLUE, GEORGE
PONDILLO, JEAN P
PUENTES, CARLOS M
PULLIAM, JANE R
REINHART, T
RIVERS, JAYNE A
ROWE, WAYNE A
RUDOLPH, JANICE B
SHEEHAN, CAROL A
SHIPPEY, JEAN
SROKA, GEORGE
STAY, DAVID
STENHOUSE, MARION M
SZURPIK, LIDA
THORPE, LYDIA K
TIBBS, ANITA
VALENTI, ELAINE M
VAN RENSSELAER HEIGHTS
VANAMERONGEN, IAN F
WAGONER, WILLIAM A
WILLIAMS, RUTH M
WRIGHTON, CECILIA A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2014

2	VERARDI, LAURIE
4	RODDY, STEPHEN P
5	BILLETTS, KEVIN W
	EWENS, MELISSA A
	RODELL, CATHERINE
7	FRANCOIS, JEAN E
	KOLAWOLE, TANYA E
9	HUGHES, JERMERLE
	MILLER, CHRISTAN M
10	OCCUPANT UNKNOWN,
11	DOCKSTADER, JASON N
15	HULL, RAYMOND W
	KOT ELECTRICAL
17	MOYER, ARTHUR C
20	FRANK SMITH SIGNS
	HILTON CENTER
	WALLANT ARCHITECTS
23	ROSE, THOMAS R
25	KOSINSKI, EDWARD S
394	RIVENBURGH, JOSEPH J
409	SMITH, CAROL
460	BANKOWSKI, JOSEPH
	BASOLT, PAULINE E
	BATCHER, BETTYJANE
	BENEDICT, ROBERTA E
	BIER, STEPHEN
	BOYLE, JOYCE A
	BRANBOW, GLORIA
	BROWN, ANTOINETTE
	BURDICK, D
	BURDICK, SAM J
	BURKS, LEGENA
	CIERI, EDWIN M
	CLARK, VIVIAN
	CONNELL, WILLIAM T
	COONS, GREGORY V
	COX, LORETTA
	CRIDER, MARY S
	DAIGLE, MARIE H
	DAVIS, ANNETTE H
	DEBROCKY, RUSSELL B
	DELSIGNORE, LOUIS
	DONOVAN, PENNY A
	DUFFY, ROBERT E
	EVANS, JOHN
	FERNANDEZ, AGENA M
	FIELD, RICHARD E
	FORTE, LORETTA Y
	FORTE, THOMAS J
	GEER, MAURICE F

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2014 (Cont'd)

460	GMFVAN RENSSELAER H LLC
	GOGO, LINDA
	GOLDBERG, DAVID I
	GOLDBERG, NICOLE R
	GRIFFITH, MARILYN E
	GUILIANELLI, JOYCE M
	HARDT, JANN
	HENCHEY, JOAN M
	HOFFMAN, LAURIE
	HORTON, JOHN
	HUGHES, CLARENCE P
	JEROME, PATRICK O
	KARIS, STELLA P
	KROSS, KENNETH B
	LAMBERT, CAROL A
	LATHAM, NANCY J
	LOCCI, FRANCES J
	LUNDSTROM, GAIL A
	LYNCH, MARGARETE
	MCCAULEY, JANET S
	MOSCA, DOMINICK M
	MOTLER, FRANKLINETTE A
	MYERS, MARK
	NOVAK, JOSEPH C
	OKESSON, PRISCILLA O
	POWELL, DOROTHEA A
	PRATT, EUGENE E
	PUENTES, CARLOS M
	ROSE, DAWN E
	ROSE, MILES
	ROWE, WAYNE A
	SCHROEDER, ELEANOR
	SHANNON, PHILLIP D
	SHELTON, REVA
	SHIPPEY, JEAN
	SMITH, PATRICIA
	SMITH, ROYAL I
	STENHOUSE, MARION M
	THORPE, LYDIA K
	VALENTI, ELAINE M
	VAN RENSELAER HEIGHTS
	VAN RENSSELAER HEIGHTS
	VANALSTYNE, JOAN M
	VANAMERONGEN, IAN F
	VOLLOR, WILL R
	WILLIAMS, RUTH M
490	PAUL, AVERILL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2010

2	HARTS COLLISION INC
4	OCCUPANT UNKNOWN,
	RENSSELAER AUTO PARTS
5	BILLETTS, KEVIN W
	EWENS, MELISSA A
7	FRANCOIS, JEAN
	WHITNEY, ROBERT F
10	OCCUPANT UNKNOWN,
15	HULL, RAYMOND W
	KOT ELECTRICAL
17	MOYER, ARTHUR C
20	CASTLE PHOTOGRAPHY INC
	PRO MANUFACTURING CO INC
23	ROSE, THOMAS J
25	KOSINSKI, EDWARD S
394	RIVENBURGH, JOSEPH J
400	HOOSE, DANIEL R
409	SMITH, CAROL
460	BANKOWSKI, JOSEPH
	BARRINGTON, FRANCIS D
	BASOLT, PAULINE E
	BATTISTO, PA A
	BENT, JOSEPH F
	BOYLE, JOYCE A
	BREEDLOVE, GREGORY P
	BRENNAN, BARBARA E
	BROOKING, BETH
	BROWN, ELEANOR J
	BUROMETTO, VINCENT B
	CIERI, DORIS I
	CLARKE, GEORGE E
	COLAVITO, NICHOLAS J
	COLGAN, FRANK
	CONNELL, WILLIAM
	COONS, LORETTA C
	DIER, DIANE
	DIER, STEPHEN
	DOMINSKI, LILLIAN M
	DUFFY, ROBERT E
	ELDERKIN, VENONIE
	FARESTA, C
	FIATO, JESSICA M
	FORDLEY, JAMES
	FORTE, LORETTA Y
	FULLER, JOSEPHINE
	GANANCE, ROSEMARY
	GARNIER, RUTH I
	GEER, THERESA R
	GILL, BETH A
	GOLDBERG, CAROL J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2010 (Cont'd)

460 GOLDBERG, NICOLE R
GRAY, LOIS M
GRIFFITH, JOSEPH
GUILIANELLI, JOYCE M
HARDT, JULE A
HART, GRACE C
HENCHEY, JOAN M
HERRERA, NIKEYA
HERRINGTON, ROYAL A
HILTON, WILLIAM
HOFFMAN, N
HORTON, JOHN
HUGHES, CLARENCE P
JEROME, PATRICIA A
JOHNSON, R
KARIS, STELLA P
KETCHUM, E
KIRKHAM, GEORGE F
KROSS, KENNETH B
LAWRENCE, HELEN
LOCCI, FRANCES J
LOPEZ, VINCENT
LUCAS, DORIS
LUNDSTROM, GAIL A
MCCARTHY, DONALD
MCCAULEY, JANET
MCCRAY, PATRICIA H
MCGRAW, EDWARD V
MEAGHER, MARJORIE E
MILLER, JOSEPH F
MITTNIGHT, ROBERT B
MOTLER, FRANKLINETTE A
MUTCH, THORNTON F
MYERS, DIANE R
OKESSON, PRISCILLA L
PALMER, JIM
PARENT, HELEN E
PAUL, AVERILL B
PUENTES, CARLOS M
RITCHIE, CHARLES
ROACH, GWENDOLYN F
ROWE, WAYNE A
RYAN, LINDA
SANFORD, RITA M
SEIBEL, HARRIET J
SHANNON, PHILLIP D
SHATRAW, MICHAEL J
SHIPPEY, JEAN
SMITH, KATHLEEN S
SOULE, MARY B

FORBES AVE 2010 (Cont'd)

460 STENHOUSE, MARION M
TEAL, ROBERT E
THORPE, LYDIA K
VAN RENSSELAER HEIGHTS
VANALSTYNE, JOAN M
VOLLOR, JANE W
WAGNER, JANET
WILKIE, GANETH M
WILLIAMS, ROSEMARY M
WILLIAMS, RUTH
WOLTJEN, ELEANOR F
WRIGHTON, NELSON G

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2005

4	RODDY, STEPHEN P
5	BILLETTS, KEVIN W
	EWENS, MELISSA A
7	VANVORST, LENNY B
11	BEEBE, ANN M
15	HENRY V RECTOR INC
	HULL, RAYMOND W
	RECTOR HENRY V INC
17	MOYER, ARTHUR C
20	PRO MFG CO
	PRO MFG CO INC
23	ROSE, THOMAS R
25	KOSINSKI, EDWARD S
394	RIVENBURGH, CORNELIUS H
400	HOOSE, DANIEL R
460	ABAIR, M
	AMADON, ESTHER L
	BAHM, HENRY
	BASOLT, PAULINE E
	BATCHER, BETTY J
	BATTISTO, PATRICIA A
	BENT, JOSEPH F
	BERRY, THOMAS E
	BOYLE, JOYCE A
	BREEDLOVE, EDWARD A
	BRENNAN, BARBARA E
	BROWN, ELEANOR J
	BUROMETTO, VINCENT B
	CAFFREY, MARGARET R
	CAPOGNA, ROBERTA J
	CIERI, DORIS
	COLAVITO, NICHOLAS J
	COLGAN, FRANK
	CONLON, DOROTHY
	CUNNINGHAM, BETTY J
	DALTON, ALICE M
	DANIELS, RONALD E
	DELANYE, MARION
	DOMINSKI, LILLIAN M
	DUFFY, ROBERT E
	EAGLE, JAMES L
	FIATO, JESSICA M
	FISHER, EDNA V
	FIX, BLANCHE J
	FORTE, LORETTA Y
	FULLER, JOSEPHINE
	GANLEY, ALICE A
	GARNIER, RUTH I
	GATTO, MARGARET E
	GRAY, LOIS M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2005 (Cont'd)

460 GRIFFITH, MARILYN E
GUILIANELLI, JOYCE M
HILL, DENCIE T
HOFFMAN, N
HORAN, LINDA M
HORTON, JOHN
HUHN, FREDA C
KARIS, STELLA P
KENNA, HELEN C
KENNEDY, MARYLOU
LAWRENCE, H
LEHRER, VINZENZ F
LEONARD, VIVIAN A
LOCCI, FRANCES J
LOPEZ, JOHN V
LUCAS, DORIS
LUNDSTROM, GAIL A
MARSHALL, ANNE
MCLEAN, PAUL B
MEAGHER, MARJORIE
MICHAELIDES, KATHERINE
MILLER, BEATRICE
MONTGOMERY, RUSSELL
MOORE, FRANK
MOTLER, FRANKLINETTE A
MUIR, CLIFFORD
MUTCH, THORNTON F
NASTKE, EVELYN F
PARENT, HELEN E
PAUL, AVERILL P
PLUNKETT, I M
POWELL, WARREN W
PUENTES, CARLOS M
PULS, DENIS J
REEHL, AVIS L
RENSSELAER DISCOUNT CMRCL RLTY
RENSSELAER DISCOUNT COMMERCIAL REALT
ROACH, GWENDOLYN M
ROBERTS, STACEY
ROSAMINO, MERRILL G
SANFORD, RITA M
SCALIA, KENDRA
SEIBEL, H J
SHIPPEY, JEAN
SHOUP, MARION L
SMITH, CAROL
SMITH, MICHAEL J
SOULE, MARY B
SWART, MILLARD C
TEAL, EVA L

FORBES AVE 2005 (Cont'd)

460 THOMAS, VIOLA T
THORPE, LYDIA
VAN RENSSELAER HEIGHTS
VINCENT, MADELINE E
WAGNER, JANET
WAGNER, JOYCE A
WANMER, C T
WOLTJEN, ELEANOR F

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2000

1	DEFELICE AUTO
4	RENSSELAER AUTO PARTS
	RODDY, STEPHEN
5	MERRITT, M
9	BEEBE, ANN
11	VANVORST, TONIA
15	HULL, RAYMOND W
	RECTOR HENRY V INCORPORATED BUILDERS SINCE 1920
17	MOYER, S
23	BLOOMER, M
25	KOSINSKI, EDWARD S
100	TOBIA, GINO
394	RIVENBURGH, CORNELI H
400	OCCUPANT UNKNOWN,
460	AMADON, E
	BAHM, F H
	BEMBRY, GLORIA
	BOWERS, L J
	BOYLE, JOYCE
	BRADWELL, M
	BREEDLOVE, EDWARD
	BRENNAN, BARBARA
	BROWNELL, B J
	BUONO, CARMINA M
	CAFFREY, M R
	CAPOGNA, ROBERTA
	CHESBRO, B
	COLGAN, FRANK
	COLLINS, GEORGE V
	CURRY, DAVID
	DALTON, ALICE M
	DAVIS, E A
	EAGLE, JAMES L
	FIACCO, MARY A
	FIATO, ROY
	FISHER, E
	FIX, B J
	FOUNTAIN, L
	FREELE, M J
	GANLEY, A
	GATTO, M E
	GILL, T F
	GRAB, ESTELLE M
	GREEN, M A
	GRIFFITH, MARILYN E
	GUILIANELLI, J M
	HAGGERTY, KATHLYN G
	HILTON, H
	HOCKLER, J
	HOFFMAN, L M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2000 (Cont'd)

460 HORAN, M
HUHN, FREDA C
HUNT, ARBIE
JACKSON, L
JOHNSON, HANSELL H
JONES, F C
KENESTON, JESSIE E
KENNA, H C
LAMOUNTAIN, R
LANNON, D H
LEHRER, VINZENZ
LOCCI, F
LONG, E H
LOPEZ, J V
MACINTYRE, EVA M
MANNING, M E
MARSHALL, ANNE
MAYBEE, WILLIAM J
MCDADE, I
MCDERMOTT, CHARLES G
MCKAY, C
MILLER, B
MILLER, R
MOORE, FRANK
PARENT, HELEN
PAUL, AVERILL P
POWELL, WARREN
PULS, DENIS J
REED, LILLIAN J
REEHL, AVIS
ROACH, G M
SANFORD, R M
SCHMITT, JOHN H
SCHROEDER, EDWARD
SHOOK, EDWIN A
SMITH, MICHAEL J
SOULE, MARY B
STICKLES, TERESA A
STILES, N E
SWART, MILLARD C
TEAL, EVA L
THOMAS, V
THOMPSON, ETHEL K
VAN RENSSELAER HEIGHTS
VINCENT, M
WAGNER, JOYCE A
WANMER, C T
WOLTJEN, ELEANOR

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 1995

5	K & K AUTOMOTIVE
	KET PRODUCTS INC
15	HULL RAY CORPORATE RELATIONS COUNSEL
	HVR EXCAVATING
	RECTOR HENRY V INC, BLDG CONTR
460	VAN RENSSELAER HEIGHT
	VAN RENSSELAER HEIGHTS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 1992

7	WARD, T
9	BROZOWSKI, ALLEN
11	SINKEVICH, MARK
15	HULL, RAYMOND W, JR
	HVR EXCAVATING
	RECTOR HENRY V INC, BLDG CONTR
17	MOYER, S
460	AMADON, E
	BAHM, F HENRY
	BASOLT, P E
	BESKO, A
	BEVILACQUA, R M
	BLAIS, C
	BOWERS, L J
	BRADWELL, H A
	BRADWELL, M
	BRENNAN, BARBARA
	BUONO, STEPHEN
	BURWELL, E
	CAPPALLO, C H
	CASEY, MARY
	CHESBRO, CLINTON
	CHURCH, A J
	COLGAN, FRANK
	COUSER, M
	CUNEO, JOSEPH G
	CUNNINGHAM, J W, JR
	DAVIS, E A
	DUFFY, R K
	DUNCAN, EDWARD J
	ERICKSON, C M
	FAHRENKOPF, NICHOLAS
	FEATHERSTONE, H G
	FEIFAR, O A
	FISHER, E
	FIX, B J
	FRANKLIN, C
	GAHN, JOSEPH M
	GANLEY, A
	GILL, T F
	HAGGERTY, JOHN J
	HARE, B
	HERITAGE, JEAN G
	HERRMANN, K M
	HILL, A J, SR
	HILLER, M E
	HILTON, H
	HOTALING, ISABLE
	HUGHES, A J
	HUGHES, AGNES

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 1992 (Cont'd)

460 HUNT, ARBIE
JACKSON, L
JONES, F C
KENESTON, WALTER J, SR
KENNA, H C
LA MOUNTAIN, R
LA PIERRE, R
LACIVITA, R
LAFAYETTE, G B
LONG, E H
MADAIO, PATRICK
MALLEY, THOMAS
MANN, OLIVE M
MARSHALL, ANNE
MC KAY, LESTER C
MILLER, BEATRICE
MILLER, BLANCHE I
MILLER, R
MITCHELL, JOHN H
MOON, F
MOORE, FRANK
MORRIS, KENNETH
MORRIS, MARY D
O'BRIEN, EUGENE F
OSBORN, E
PETERS, E J
PRICE, J
RANFORD, E
REED, LILLIAN J
REEHL, A
RICKERT, A M
ROACH, CARL F
ROBINSON, H E
SCHMITT, JOHN H
SCOTT, D M
SHATTUCK, A
SHOOK, EDWIN A
SMALLWOOD, HELEN
SNYDER, FRED
SOURMAIL, B
SPENCE, ELIZABETH
STEMPSEY, E M
STOCK, ANNA E
THOMPSON, E K
VAN RENSSELAER HEIGHTS
WAGAR, A & M
WANMER, C T
WELCH, LLOYD
WINTER, WILLIAM F
WOODWARD, PERCY

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FORBES AVE 1988

FLEETWOOD AV–Contd
112 Evans Wm J ◎ 482-7290
113 Spuck Paul W ◎ 458-8668
115 Pittz Eug A ◎ 438-4072
116 Cohen Forrest ◎ 438-0692
118 Politi John T ◎ 489-5158
119 Mirabile Charles T ◎ 489-0070
120 Katchmar Wm ◎ 489-1843
123 Liuzzi Lena D Mrs ◎ 482-9363
124★Troeger David 489-3485
125 Gurney Mary E Mrs ◎ 438-1136
126 Iarossi Robt N ◎ 482-5445
127 Weir William J ◎ 482-2315
128 Iarossi Patk F ◎ 438-0161
130 Schnurr Sophie M Mrs ◎ 438-1433
131 Pritchard Jacob W ◎ 438-5555
132 La Falce Eliz A 438-8658
133 Vacant
134 Richardson John F ◎ 438-7023
136 Olimpo Edilberto E ◎ 489-7715
138 No Return
WHITEHALL RD INTERSECTS

81

FLORIDA AV (NORTH GREENBUSH)–FROM 15 IOWA AV EAST TO A DEAD END

ZIP CODE 12144
7 Underwood Agnes A ◎ 286-3472
11 Sanderson Howard B ◎ 286-3437
12 Twiss Chas B ◎ 286-6843

82

FORBES AV (RENSSELAER)–FROM TRACY TO WASHINGTON AV

ZIP CODE 12144
4 Hilts Frank S ◎
5 Vacant
Lamoree Gerald
7 Ward Lawrence 465-8381
9 Roberts Joy
11★White Maria 436-5758
13 Vacant
CENTRAL AV BEGINS
15 Hull Raymond W Jr ◎ 449-1707
17 Moyer Sylvia E Mrs ◎ 465-9514
23 Swint Freda M Mrs ◎ 463-0263
25 Kosinski Edw S ◎
BROADWAY ENDS
BELLVIEW TER ENDS
2D ST ENDS
394 Rivenburgh Cornelius H ◎ 463-4693
398 Vacant
Vacant
4TH ST ENDS
400 Vacant
460 Van Rensselaer Heights 465-4947
100 Hughes A J 436-0006
101 Coons Watson W 465-1163
102 Streeter Frank M 434-1575
103 Miller E M
104 Hughes Agnes 465-1268
105 Lynch M M 463-3632
106 Miller Beatrice 463-7905
107 Scott Dorothy M 463-8360
200 Bowks B
201 Goca Clarence E 463-7770
202 Leonard T M Mrs 465-2617
203 Ranford Eliz 465-8984
204 Cuneo Joseph G 463-0680
205 Reehl A 449-8720
206 Christman M 463-0383
207 Heron Mary Mrs 465-1673
208 Ganley A Mrs 472-1096
209★Bradwell M 462-0778
210 Reinhart Florence 465-5964
211★O'Brien Eug F 465-3101
212 Fietz J 434-2821
213 Lehrer Vincent F
214 Hiller M E 449-3012
215 Slauson M
216 Hill Sophie 463-8226
300 Mahan Helen
301 Barrington D L Mrs 463-5072
302 No Return
303 Fisher E 434-2039
304 Heim Margt 449-1292
305 Grattan Odile M 462-2453
306 Vandewall M 462-5620
307 Defreest Clarence 465-7993
308 Couser M 462-5769
309 Ratcliffe Albert J 462-1442
310 Peters R 436-1384
311 Moore A 449-1234
312 Rickert A M 436-0505
313 French Lydia 436-4728
314 Parady D 434-4849
315 Jessen F
316 Thompson E K 465-3542
401★Prips E 462-2764
402 Kircher Philip 465-2001
403★Long E H 436-0015
404 Champagne Wm A 434-8036
405 Feifar O A 436-7880
406 Farhrenkopf Rita 463-7729
407 Morin Geo W 463-8256
408 Reed Lillian Jmrs 465-8751
409 No Return
410 Lamountain R 436-9280
411 Featherstone H G 463-6474
412 Vacant
413 No Return
414★La Pierre R 449-2491
415 Hulsopple Helen 436-0994
416 No Return
500 Sourmail B 449-1119
501 Mc Donald A 463-1959
502★Miller R 462-2949
503 Buono Stephen 436-1220
504 Snyder Fred 465-6740
505 Bradwell H A 436-8302
506 Wagar A M 449-8087
507 Ricketts E A 463-7326
508★Kosakoski M B 462-2711
509 Vacant
510 Mann Chas E 472-9704
511 Duffy R K 465-5103
512 Mull Florence M 449-7353
513 Chesbro Clinton 434-3519
514 Pardee L 472-9702
515★Morocco Alice W 449-7547
516 Mitchell A 462-4139
601★Price Courtney E 465-3912
602 Van Acker M 462-9588
603 Blais C 436-9578
604 Moxon D 465-3661
605 Welch Lloyd 434-3181
606 Davis E A 465-8772
607 Bridgeford J
608 Downes D 465-7286
609★Shook Edwin A 462-6479
610 Stempsey E M 463-7925
611 Jones D M 465-2709
612 Stiles N E 463-5053
613 Holland L
614 Teal A E 449-3024
615 Jones Merrimon L 434-3403
616 Duncan Edw J 463-4125
701 Noel Mary 449-3426
702 Mc Kay Lester C 463-7337
703 Shattuck Agnes 463-0362
704 Mooney J M 463-5483
705 Osborne E 463-6472
706 Scaccia F 449-7832
707★Kauffman R E 463-7350
708 Van Acker Donald 463-6451
709 Franklin C 462-0763
710 Vacant
711 Kramer Anna
712 Reilly L 436-1252
713 Brownell B J 436-9856
714 Morris Mary D 436-0528
715 Amadon E 436-7146
716★Pence Eliz 462-1292
Rensselaer Schools (Side Entrance)
PATTEN AV ENDS

82

FORBES RD (RENSSELAER)–FROM OPP 17 FORBES AV NORTHEASTERLY TO CITY LINE

ZIP CODE 12144
1 De Felice Auto Sales 449-8080
5 Ket Products Inc plastic mfg 449-7090
Jelliff C O Corp (Fabricators Steel) 449-7091

12

FORDHAM CT –FROM 11 CARLISLE CT WESTERLY TO BETHLEHEM LINE

ZIP CODE 12209
2 Fuda Geo E ◎ 482-5358
3 Kidd Thomas ◎ 438-5388
5 Fonda Marty J Mrs ◎ 489-1997
6 Abbott Michl A ◎ 438-5986
7★Lainhart Richard M 482-6773
8 Gellert Blanche Mrs ◎ 482-0661
9 Allen Frank M ◎ 489-3657
10 Alfano Vincenzo ◎ 489-5715
11★Chesterfield Richard B 482-7069
12 Lanahan Nora M Mrs ◎ 489-2278
13 Morbidelli Josephine Mrs ◎ 482-8360
14 Herskowitz C Lester ◎ 482-9185
15★Spath Frank
16 Gustin Donald J ◎ 489-3498
17 Motta Al ◎ 489-2183
18 Wisenburn John O ◎ 489-4301
19 Genovese Diane M ◎
20 Aron Ruth G ◎ 489-8119
21 Henry Harold J ◎ 482-1771
22 D'Ambrosio Frank M ◎ 489-4818
23 Barnes Raymond C ◎ 489-8228
24 Monville Maybel D Mrs ◎ 438-1263
25 Cronin Steve ◎ 482-1752
MARLBOROUGH CT INTERSECTS
30★Greendale Daniel 459-1694
31 Cronin Joseph E ◎ 489-5125
32 Romano Eug A ◎ 482-5489
33 Ragone Vincent J ◎ 438-3219
34★Dixon Kevin M ◎ 482-3789
35 Keenan Thos F ◎ 489-4267
36 Davis Geo I ◎ 482-5028
37 Walsh Esther R Mrs ◎ 482-1542
38★Christie Paul
39 Davis Marie R Mrs ◎ 482-2912
40 Jones Edward R ◎ 482-5436
41 Clenahan Michl J ◎ 482-0883
42★Macie Pearl J ◎ 482-7025
43 Lynch Donald P ◎ 459-4058
44 Warren John F ◎ 438-6564
46 Dawson Wm E ◎ 482-3458
47 Calordino Ermino ◎ 438-0517
48 Spiak Alexander A ◎ 458-8072
49★Sprinz Catherine ◎
50★Bucher Robert J ◎ 459-9045
52 Steinke Ruth K Mrs ◎ 482-7588
53 Luchins Abr S ◎ 438-4043
54 Hurley Susan E ◎ 482-5266
STANFORD ST INTERSECTS

69

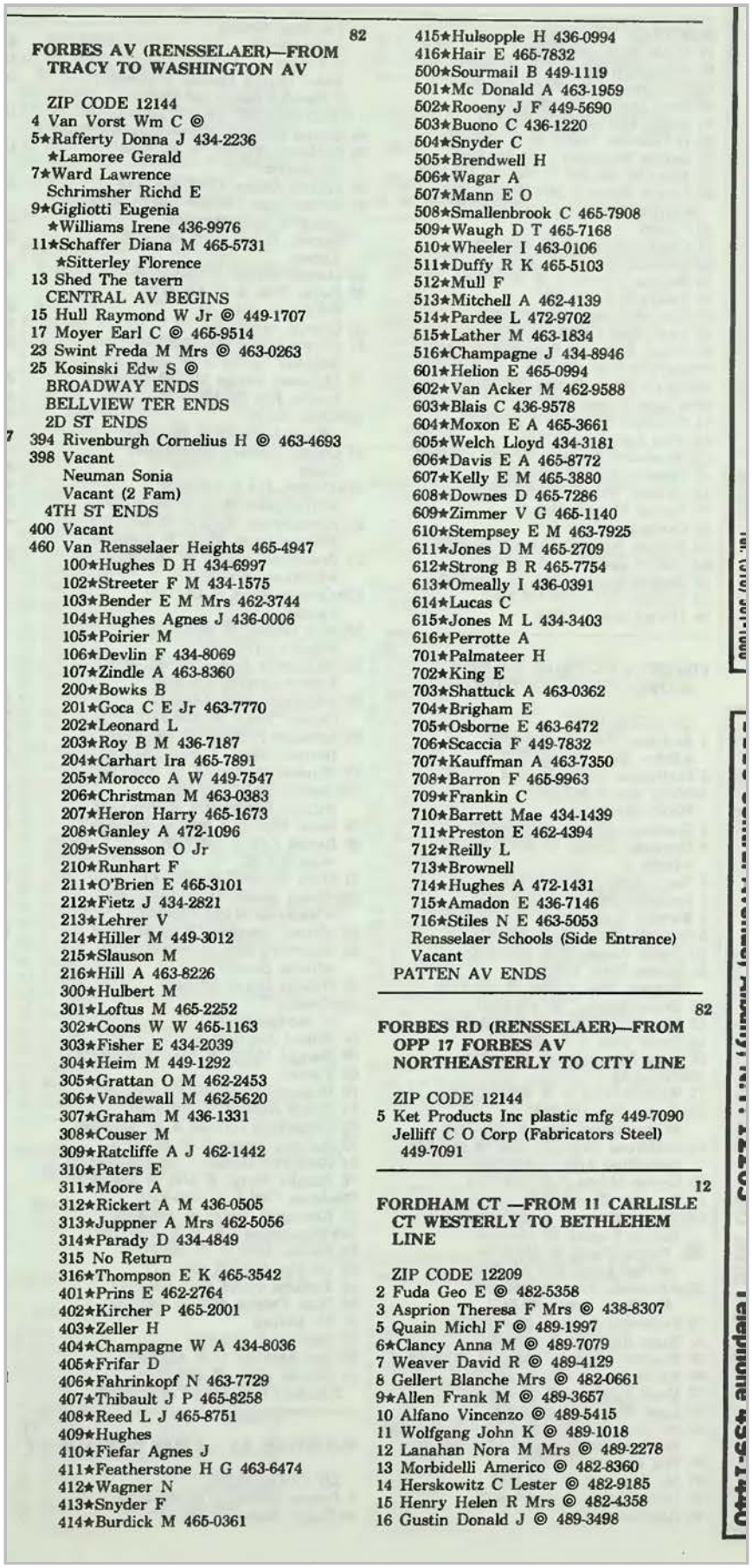
FOREST AV –FROM 318 NEW SCOTLAND AV SOUTHERLY

ZIP CODE 12208
1 Andriano Rocco J ◎ 489-7998
★Malak Mark P 482-5909
2 Perlmutter Dora Mrs 438-1044
3 Barrett Timothy P
★Caputo Anita S
4 Fogelman Martin ◎ 489-6391
5 Lewanda Donald ◎ 489-6168
Vacant
6 Dunn Arth J ◎ 489-1576
7 Seeber Philip ◎ 438-1656
8 Burdick Edna M Mrs ◎ 438-4166
9 Scovello Michl V ◎ 438-1677
10★Feisthamel Harold J ◎ 459-7278
11 Mason Mary 489-3045

4, Washington Ave. Ext. (12205) tel. 456-8323

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FORBES AVE 1983



82

FORBES AV (RENSSELAER)—FROM TRACY TO WASHINGTON AV

ZIP CODE 12144
4 Van Vorst Wm C ◎
5★Rafferty Donna J 434-2236
★Lamoree Gerald
7★Ward Lawrence
Schrimsher Richd E
9★Gigliotti Eugenia
★Williams Irene 436-9976
11★Schaffer Diana M 465-5731
★Sitterley Florence
13 Shed The tavern
CENTRAL AV BEGINS
15 Hull Raymond W Jr ◎ 449-1707
17 Moyer Earl C ◎ 465-9514
23 Swint Freda M Mrs ◎ 463-0263
25 Kosinski Edw S ◎
BROADWAY ENDS
BELLVIEW TER ENDS
2D ST ENDS
7 394 Rivenburgh Cornelius H ◎ 463-4693
398 Vacant
Neuman Sonia
Vacant (2 Fam)
4TH ST ENDS
400 Vacant
460 Van Rensselaer Heights 465-4947
100★Hughes D H 434-6997
102★Streeter F M 434-1575
103★Bender E M Mrs 462-3744
104★Hughes Agnes J 436-0006
105★Poirier M
106★Devlin F 434-8069
107★Zindle A 463-8360
200★Bowks B
201★Goca C E Jr 463-7770
202★Leonard L
203★Roy B M 436-7187
204★Carhart Ira 465-7891
205★Morocco A W 449-7547
206★Christman M 463-0383
207★Heron Harry 465-1673
208★Ganley A 472-1096
209★Svensson O Jr
210★Runhart F
211★O'Brien E 465-3101
212★Fietz J 434-2821
213★Lehrer V
214★Hiller M 449-3012
215★Slauson M
216★Hill A 463-8226
300★Hulbert M
301★Loftus M 465-2252
302★Coons W W 465-1163
303★Fisher E 434-2039
304★Heim M 449-1292
305★Grattan O M 462-2453
306★Vandewall M 462-5620
307★Graham M 436-1331
308★Couser M
309★Ratcliffe A J 462-1442
310★Paters E
311★Moore A
312★Rickert A M 436-0505
313★Juppner A Mrs 462-5056
314★Parady D 434-4849
315 No Return
316★Thompson E K 465-3542
401★Prins E 462-2764
402★Kircher P 465-2001
403★Zeller H
404★Champagne W A 434-8036
405★Frifar D
406★Fahrinkopf N 463-7729
407★Thibault J P 465-8258
408★Reed L J 465-8751
409★Hughes
410★Fiefar Agnes J
411★Featherstone H G 463-6474
412★Wagner N
413★Snyder F
414★Burdick M 465-0361
415★Hulsopple H 436-0994
416★Hair E 465-7832
500★Sourmail B 449-1119
501★Mc Donald A 463-1959
502★Rooeny J F 449-5690
503★Buono C 436-1220
504★Snyder C
505★Brendwell H
506★Wagar A
507★Mann E O
508★Smallenbrook C 465-7908
509★Waugh D T 465-7168
510★Wheeler I 463-0106
511★Duffy R K 465-5103
512★Mull F
513★Mitchell A 462-4139
514★Pardee L 472-9702
515★Lather M 463-1834
516★Champagne J 434-8946
601★Helion E 465-0994
602★Van Acker M 462-9588
603★Blais C 436-9578
604★Moxon E A 465-3661
605★Welch Lloyd 434-3181
606★Davis E A 465-8772
607★Kelly E M 465-3880
608★Downes D 465-7286
609★Zimmer V G 465-1140
610★Stempsey E M 463-7925
611★Jones D M 465-2709
612★Strong B R 465-7754
613★Omeally I 436-0391
614★Lucas C
615★Jones M L 434-3403
616★Perrotte A
701★Palmateer H
702★King E
703★Shattuck A 463-0362
704★Brigham E
705★Osborne E 463-6472
706★Scaccia F 449-7832
707★Kauffman A 463-7350
708★Barron F 465-9963
709★Frankin C
710★Barrett Mae 434-1439
711★Preston E 462-4394
712★Reilly L
713★Brownell
714★Hughes A 472-1431
715★Amadon E 436-7146
716★Stiles N E 463-5053
Rensselaer Schools (Side Entrance)
Vacant
PATTEN AV ENDS

82

FORBES RD (RENSSELAER)—FROM OPP 17 FORBES AV NORTHEASTERLY TO CITY LINE

ZIP CODE 12144
5 Ket Products Inc plastic mfg 449-7090
Jelliff C O Corp (Fabricators Steel) 449-7091

12

FORDHAM CT —FROM 11 CARLISLE CT WESTERLY TO BETHLEHEM LINE

ZIP CODE 12209
2 Fuda Geo E ◎ 482-5358
3 Asprion Theresa F Mrs ◎ 438-8307
5 Quain Michl F ◎ 489-1997
6★Clancy Anna M ◎ 489-7079
7 Weaver David R ◎ 489-4129
8 Gellert Blanche Mrs ◎ 482-0661
9★Allen Frank M ◎ 489-3657
10 Alfano Vincenzo ◎ 489-5415
11 Wolfgang John K ◎ 489-1018
12 Lanahan Nora M Mrs ◎ 489-2278
13 Morbidelli Americo ◎ 482-8360
14 Herskowitz C Lester ◎ 482-9185
15 Henry Helen R Mrs ◎ 482-4358
16 Gustin Donald J ◎ 489-3498

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FORBES AVE 1978

7 Underwood Agnes © 286-3472
11 Sanderson Howard B © 286-3437
12 Twiss Chas B © 286-6843

82

FORBES AV (RENSSELAER)—FROM TRACY TO WASHINGTON AV

ZIP CODE 12144
4★Van Vorst Wm C ©
5 O'Dell Paul M
★Binsse Harry ©
7★Alger Harold C
9 Bailey Carl H 465-6726
★Brigham Robt H 462-6317
★Schrimsher Richd E
11★Quickenton Edw
★Falzano Pamela
13 Harbor City Saloon 449-9945
CENTRAL AV BEGINS
15★Hull Raymond W © 449-1707
Rector Henry V Inc (Stge)
17★Moyer Earl C ©
23 Swint Freda M Mrs © 463-0263
★Swint Shirley F
25★Kosinski Edw S
BROADWAY ENDS
BELLVIEW TER ENDS
2D ST ENDS
394 Rivenburgh Cornelius H © 463-4693
398★Nettleton Gail 463-0032
Neuman Kath M Mrs ©
★Butler Kate
4TH ST ENDS
400 Adler Stanley E ©
Rensselaer Schools (Side Entrance)
PATTEN AV ENDS

82

FORBES RD (RENSSELAER)—FROM OPP 17 FORBES AV NORTHEASTERLY TO CITY LINE

ZIP CODE 12144
Ket Products Inc (plastic mfg) 449-7090

12

FORDHAM CT —FROM 11 CARLISLE CT WESTERLY TO BETHLEHEM

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FORBES AVE 1973

11 Sanderson Howard B ◎ 286-3437
12 Countryman Robt J ◎ 286-3523

82

FORBES AV (RENSSELAER)—FROM TRACY TO WASHINGTON AV

ZIP CODE 12144
4 Coons Edw B ◎ 434-2370
5 Miller Paul R ◎ 465-1103
Wheeler Nancy C Mrs 463-0433
7 Harwood Geo R 462-9742
Schultz Judson J 465-3730
9 Kavana Lawrence D 434-0926
11★Larose Richd L
Ganance Lottie Mrs 434-8730
13 Vacant
CENTRAL AV BEGINS
15 Whish Hazel M Mrs ◎ 465-7236
Rector Henry V Inc (Stge)
17 Johnson David E ◎ 434-2722
23 Swint Freda M Mrs ◎ 463-0263
25 Blondell Lawrence F ◎
BROADWAY ENDS
BELLVIEW TER ENDS
2D ST ENDS
City Playground
C D T A Line Terminal (Rens East St Line)
394 Rivenburgh Cornelius H ◎ 463-4693
398 Spina Henry J 463-8638
Neuman Kath M Mrs ◎
★Blowers Leroy H
4TH ST ENDS
400 Mc Intire Jack M ◎ 436-0956
Rensselaer Schools (Side Entrance)
PATTEN AV ENDS

82

FORBES RD (RENSSELAER)—FROM OPP 17 FORBES AV NORTHEASTERLY TO CITY LINE

ZIP CODE 12144
Rensselaer City Water Works (hudson river pump hse) 465-3635
Barnet Wm & Son wool combers 465-2424

12

FORDHAM CT —FROM 11 CARLISLE CT WESTERLY TO BETHLEHEM LINE

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FORBES AVE 1968

82

FORBES AV (RENSSELAER)-FROM TRACY
TO WASHINGTON AV

---ZIP CODE 12144
4 COONS MYRTLE MRS • HE4-2370
5 VACANT
VENTER WM J HE6-1595
7 HUTCHINSON ERROL
FORTE RICHD J
9 FORTE EDWARD 463-7375
KAVANA LAWRENCE D HE4-0926
11 8URNS JAMES J 462-1046
GANANCE LOTTIE MRS HE4-8730
13 FORTE'S TAVERN 462-9397
FORTE LOUIS C 462-5277
CHESNUT MARGT C MRS HO3-0433
---CENTRAL AV BEGINS
15 WHISH FREDK W • HO5-7236
17 HIGGINS J RAY • HE4-2722
23 SWINT WM J • HO3-0263
25 8LONDELL LAWRENCE F •
---8ROADWAY ENDS
---2D ST ENDS
394 RIVENBURGH CORNELIUS H •
463-4693
398 SPINA HENRY J • HO3-8638
HAZELTON ETHEL I MRS 463-5205
TRUSS MICHL J JR 434-6241
---4TH ST ENDS
400 BACON ROBT J

82

FOR8ES RD (RENSSELAER)-FROM OPP
17 FORBES AV NORTHEASTERLY TO
CITY LINE

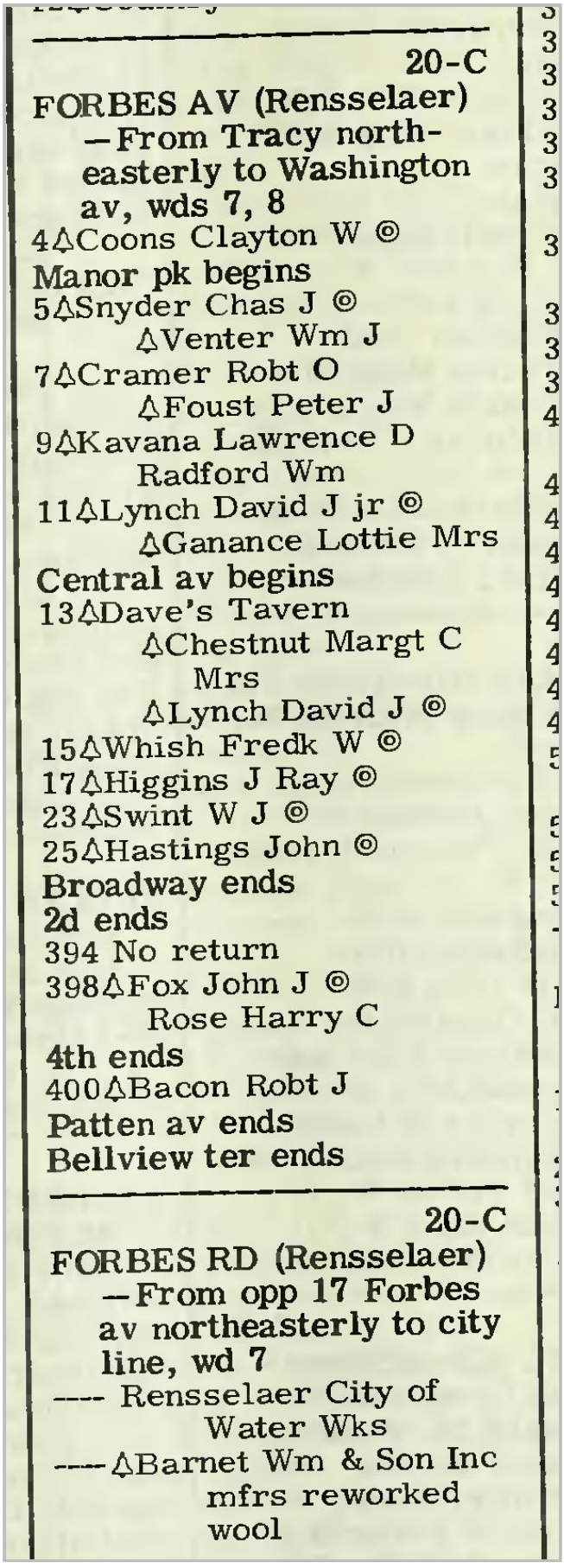
RENSSELAER CITY WATER WORKS
HO5-3635
8ARNET WM & SON INC MFR WOOLEN
GOODS HO5-2424

12

FORDHAM CT -FROM 11 CARLISLE CT

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FORBES AVE 1963



20-C

FORBES AV (Rensselaer)
—From Tracy northeasterly to Washington av, wds 7, 8

4△Coons Clayton W ◎
Manor pk begins
5△Snyder Chas J ◎
△Venter Wm J
7△Cramer Robt O
△Foust Peter J
9△Kavana Lawrence D
Radford Wm
11△Lynch David J jr ◎
△Ganance Lottie Mrs
Central av begins
13△Dave's Tavern
△Chestnut Margt C Mrs
△Lynch David J ◎
15△Whish Fredk W ◎
17△Higgins J Ray ◎
23△Swint W J ◎
25△Hastings John ◎
Broadway ends
2d ends
394 No return
398△Fox John J ◎
Rose Harry C
4th ends
400△Bacon Robt J
Patten av ends
Bellview ter ends

20-C

FORBES RD (Rensselaer)
—From opp 17 Forbes av northeasterly to city line, wd 7

---- Rensselaer City of Water Wks
----△Barnet Wm & Son Inc mfrs reworked wool

Phase II Environmental Site Assessment Report

20 Forbes Avenue

City of Rensselaer, NY

Rensselaer County, New York

October 1, 2021

21-26694-E

Prepared by:

ALPINE ENVIRONMENTAL SERVICES, INC.
438 NEW KARNER ROAD
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1.0 SITE BACKGROUND

The Subject Property (SP) is 6.1-acre land parcel in the City of Rensselaer, Rensselaer County, New York, known as 20 Forbes Avenue, formerly known as the Barnet Shoddy Mill and then as Hilton Center. The site contains nine industrial use buildings that covers a large portion of the tax parcel. The remainder of the parcel is a gravel surfaced land with an access roadway through the center of the buildings and a gravel surfaced roadway on railroad property along the west side of the SP.

A Phase I Environmental Site Assessment for the SP was performed by Alpine Environmental Services, Inc. (Alpine) in July of 2021 and identified Recognized Environmental Conditions (RECs) on the SP as follows:

1. The facility was originally constructed as a brewery but was then converted to a textile mill called William Barnet & Sons All Wool Shoddy Mill. This industrial use occurred from 1905 into the 1960's. The industrial use of the mill with extensive industrial equipment that had to be maintained throughout this timeframe required lubricating chemicals, solvents and other types of chemicals that had to be stored, used and disposed of. No accounting for how these materials were used, stored and disposed is known. It is presumed that spills or spills from storage or disposal could have occurred over this sixty years of industrial operations. Some testing of site soil and groundwater will be necessary to determine if adverse impacts to the subsurface have occurred.

2. Use of the SP by The Hilton Center for decades renting to industrial and commercial tenants has included manufacturing, automotive repair, and possible salvaging and other commercial and industrial uses that have stored and used large quantities of petroleum and other chemicals. Spills including discharge of oil to the ground, storage of large quantities of drummed chemicals and leaks in the storage areas have occurred and were documented by the City of Rensselaer and the New York State Department of Environmental Conservation in the 1980's and 1990's. Additional storage of chemicals in areas used to store, service, and repair vehicles has also occurred during the Hilton Center timeframe and these areas are not documented. Extensive soil and ground water sampling across the SP will be necessary to determine if the documented spills and other spills that may have occurred and not been documented, have degraded site soil and groundwater quality to the extent that current regulatory cleanup standards may be exceeded in the site subsurface.

3. Land filling has reportedly occurred in the northern end of the SP. CHA Consulting reported as a result of a 2013 site inspection, that an apparent dumping area for various debris was noted in the northern site area. A significant amount of construction and demolition type debris was noted in this area. CHA noted that based on appearances in this area in conjunction with past documented actions of the property owner (at that time), including the attempted burial of PCB-contaminated electrical transformers, "there is reason to suspect the dumping or burial of potentially hazardous waste materials in this area". CHA recommended that test pits should be completed in this area to evaluate subsurface conditions and the potential presence of buried debris. Alpine agrees with this recommendation to address this REC.

4. Multiple petroleum and chemical storage tanks have existed on the SP. Three tanks were registered with the DEC, two were reportedly closed, the third, a 550 gallon underground fuel

oil tank remains listed on the registration as "Active". The location of this tanks is not clearly identified in the PBS records obtained from the DEC. Other tanks referenced documents reviewed (i.e. spill reports, Sanborn maps, etc.) were not registered with the DEC. It is possible that any of these tanks may have leaked or that spills from filling the tanks could have occurred and contaminated site soil and groundwater quality. Any tanks still present must be properly registered and closed through the NYSDEC Petroleum Bulk Storage Program.

5. A vent that may be a petroleum storage tank vent is present along the south side of Building #1. The site owner did not know the purpose of this vent. This vent should be investigated to determine if a storage tank is still present in this area of the SP. If present, this tank will have to be investigated and properly closed in accordance with NYSDEC storage tank closure regulations.

6. According to historic mapping, a 100,000-gallon storage tank is present at or near the south end of Building 5 and “large vaults” were reported by NYSDEC to exist beneath portions of the mill buildings. These tanks could contain chemicals or chemical residue from manufacturing operations or petroleum or chemicals that may have leaked beneath the building floors from storage or use of these liquids within the buildings. Additionally, it is presumed that all floor drains observed within the mill buildings are likely to discharge to the stormwater system and ultimately to the river. Stormwater basins and other storm and floor drain structures may contain contaminants and would have to be inspected and sediments and liquids in them sampled to determine if contaminants remain within this system.

7. An electrical power substation is present along the west side of the SP, to the east of Building five where multiple PCB oil containing transformers are likely to have been present within this substation. If transformers within the substation leaked to the ground, PCB and petroleum contaminated soil may exist within or adjacent to the substation area.

8. Given the spills that have been documented on the SP by NYSDEC, including the uses and storage of drummed chemicals in the site buildings and evidence of spills from drummed chemicals, vapor intrusion from chemicals that may have leaked or spilled beneath the site buildings is possible. Vapor sampling should be completed beneath the lowest level building area floor slabs to determine if vapor mitigation will be necessary for re-use of any of the site buildings.

Alpine Environmental Services (Alpine) was retained by BBL Construction Services LLC and BBL Barnet LLC of Albany, NY, to conduct a Phase II Environmental Site Assessment (ESA) investigation as a follow up to the Phase I ESA study, to determine if contamination is present in soil, soil vapor, or groundwater as the result of the past use of the property.

This Phase II ESA was completed to address the recognized environmental conditions, and to determine if underground storage tanks are present, or if petroleum or other types of industrial chemical contamination is present in the subsurface as a result of the historic use of this property and conditions present on the property as indicated in the findings of the Phase I ESA. The investigation also served to determine if remedial actions may be warranted with respect to obtaining compliance with current New York State Department of Environmental Conservation cleanup standards, criteria and guidelines (SCGs) for soil, soil gas, and groundwater remediation, or may be of concern with respect to general ownership and use of the SP.

NOTE: The initial stages of this investigation confirmed the presence of two underground storage tanks south of Building 1 (20,000-gallon #6 fuel oil tank) and west of Building 5 (1,000-gallon oil/water separator tank). In addition, a petroleum spill was identified at the location of the 20,000-gallon fuel oil storage tank south of Building 1, when monitoring wells MW-1 an MW-2 were installed. This spill was reported to NYSDEC and is identified as NYSDEC petroleum spill # 2104385. The investigation and closure of these tanks was separated in scope from this Phase II ESA.

2.0 GROUND PENETRATING RADAR SURVEY

A ground penetrating radar (GPR) survey was completed to screen the property for imaging evidence of the presence of underground storage tanks, and to clear areas of the SP for underground utilities, in the areas where test borings were proposed. The survey was completed with Alpine's sub-contractor, Bloodhound LLC on July 26 and 27, 2021. A cart mounted GPR unit with a 270 Mhz detection antenna was used to traverse accessible surfaces of the property. The survey was completed by performing perpendicular grid transects with a spacing of approximately 5 feet or less, where drilling locations and excavation test pits were proposed. An area along the south side of Building #1 was also explored to determine if an underground storage tank was present where an apparent tank vent was observed during the Phase I ESA. In areas where targets (subsurface anomalies) were detected, additional searching with the GPR was performed until the boundaries of the targets were determined, to the extent that they could be resolved with the equipment. Targets were marked on the ground surface with marking paint, measured to reference points and recorded for later reference. In addition to the GPR detections, a magnetic locator was used to further clarify and trace detected targets and determine if targets were ferro metallic in nature.

GPR Findings:

An anomaly, which appeared to be an underground storage tank (UST), was observed in the general area where a large vent pipe was observed along the southwest side of Building #1. The vent pipe was traced away from the building and an apparent underground storage tank was delineated in the gravel surfaced parking lot near the building. The apparent UST appeared to be between 30 and 35 feet in length, parallel with the building and at least 6-feet or more in diameter with the top of the structure approximately 3-feet below the parking lot surface. Piping to the building was apparent from the northern end of the UST, to the area where the vent was present.

A second potential UST was identified along the western side of Building #5. This area was delineated and marked for further exploration. No other UST's were evident in the areas of the SP explored during this survey.

The GPR detected evidence of multiple subsurface utilities, appearing to be piping or conduit throughout the proposed test boring installation areas to the west of the site buildings and along the service road between buildings on the east side of the property. These utility locations were marked with spray paint and mapped to assure those areas were avoided when test borings were installed. These areas were additionally cleared by the mark-out services for the utility companies. Apparent natural gas lines, sanitary and storm sewer lines, and water service lines were identified in areas where drilling was planned and all were marked at this time.

Based on the findings of the GPR survey, it appeared that two underground storage tanks USTs

were identified on the SP, southwest of Building #1, in the area where the vent pipe was identified during the Phase I ESA, and a second area west of Building #5. The approximate locations of the suspected UST subsurface structure identified during the GPR survey are provided on Figures 2 and 3 of this report. Subsurface utility piping locations are also identified on Figure 2.

3.0 VAPOR INTRUSION TESTING

This limited vapor intrusion testing was performed to generally determine if there was evidence of subsurface soil gas impacts on the SP, beneath the SP buildings, that suggest a potential future concern for indoor air quality impact, and which may require mitigation to meet current guidance. At the time of this investigation, the site buildings were not heated/cooled and extensive broken windows and other openings in the buildings prevented the ability to collect valid indoor air quality samples. The sub slab soil vapor (SV) testing was performed in general accordance with the New York State Department of Health (DOH), Guidance for Evaluating Soil Vapor Intrusion in the State of New York (DOH VI Guide; 2006 with 2017 matrix updates). However, since valid indoor air sampling could not be performed due to the unconditioned buildings with large openings, the matrix comparison evaluation in the NYS DOH guide could not be performed. Sub-slab vapor testing was performed through the concrete floor slabs from below the lowest level building slabs with comparison of detected VOCs to the US EPA Vapor Intrusion Screening Level (VISL), to evaluate the potential for vapor intrusion to exist beneath the site buildings.

The SV testing included two types of samples:

1. Sub-slab soil vapor samples collected beneath the basement or lower level floor slab in each of the nine on SP buildings, where conditions permitted.
2. One sample outside of the building as a reference ambient air sample.

On July 27, 2021, Alpine installed sub-slab soil vapor sample collection canisters in the SP buildings. A total of nine sub-slab soil vapor samplers were installed in the nine defined site buildings, one in each of the building sections previously identified as building areas 1 through 11. Prior to this investigation, buildings #2 and #3 had been demolished. One outdoor ambient air sample was collected along the east side of Building #8, in a central area between Building #8 and Building #11. In this study, the ambient air sample was used as a control sample to compare levels of chemicals detected or not detected in the ambient air, to those detected in soil samples beneath the buildings.

The sub slab samples were collected through the temporary installation of Cox Colvin Brass Vapor Pins with silicone sleeve gaskets. The concrete to vapor pin seal, as well as the seal of dedicated polytetrafluoroethylene (PTFE) transfer tubing to the vapor pin, were tested by connecting a photo-ionization detector (PID) to the tubing with the other end connected to the vapor pin. The PID (Rae Systems PPB-RAE 3000) was calibrated with a 10 PPM Isobutylene calibration gas standard and utilized a 10.6 eV detection bulb. An isopropyl alcohol tracer was applied to the seal test areas to provide a quantitative measure of sampling point tightness prior

to sampling. All PID readings were confirmed as zero parts per million, confirming an air-tight seal on the sampling point where it penetrated the concrete floor.

One-liter stainless steel sample canisters and control valves, pre-cleaned, calibrated for 8-hour sample collection and provided by the analysis laboratory, were connected to the vapor pin tubing by air-tight compression fittings. The canister valves were opened, and starting times and pressures were recorded on the chain of custody. The outside ambient air sample was similarly collected through calibrated 8-hour flow controller, at an area between the site buildings.

Air flow regulators on the samplers were set to collect air over a period of 8 hours and were stopped just short of the full 8-hour period to ensure that there was still some vacuum remaining within the canisters. Samples were analyzed via EPA Method TO-15 by Alpha Analytical, a NYS DOH ELAP certified laboratory. Samples were collected on July 27, 2021. The location of samples are provided on Figure 3 of this report.

An additional consideration of these studies is the potential influence of chemicals stored and/or used within the facility on the test results. At the time of this study, no obvious sources of chemical impacts to the subsurface were observed in site building areas where the sampling was performed. The buildings had been cleared of past industrial uses, including storage or use of petroleum or chemicals, prior to this sampling.

Laboratory results indicate that multiple VOCs were detected in each of the samples, including the outside ambient reference sample. The laboratory results are attached in Appendix D. The sample analysis results were evaluated to determine if mitigation actions may be required, through comparison of laboratory sample analysis results to EPA action levels.

The United States Environmental Protection Agency (EPA) Vapor Intrusion Screening Level (VISL) Calculator (Calculator Run Date 9/17/2021) was used to determine sub slab levels of concern were indicated by these EPA guidelines. The EPA VISL calculator provides screening level guidelines for a much larger number of VOCs and are used to evaluate the potential for soil vapor intrusion conditions for additional VOCs not addressed by the DOH VI Guide or when indoor air samples cannot be collected with use in the decision matrices in the DOH guide.

3.1 RESULTS OF TESTING: DOH VI GUIDE

At the time of this study, the site buildings were not heated/cooled and the buildings were substantially damaged with many windows broken and large air gaps in walls and doors, allowing outside air to free-flow through building areas. As a result of the building condition, Alpine determined that indoor air sampling could not be performed in a way that would allow for a valid comparison to the New York State Department of Health (NYSDOH) vapor intrusion study regulatory guidelines. In an effort to make some determination relative to the threat of vapor intrusion into future restored building areas, Alpine did perform subslab air quality sampling in representative lower level building areas and the results of this study are provided in 2.2. Should

the buildings become enclosed and heated in the future, sampling and comparison to NYSDOH vapor intrusion regulatory guidelines could be performed at that time.

3.2 RESULTS OF TESTING: EPA VISL GUIDE

The vapor test points installed to collect sub-slab vapor beneath Building 7 and Building 8 did not yield valid sample collection due to extremely shallow groundwater beneath the floor slabs at these locations. It is believed that saturated soil conditions exist beneath the slabs at these locations at or only slightly beneath the floor slabs, and that the saturated conditions resulted in a vacuum condition with no measurable flow into either canister over the 8-hour testing interval. The laboratory did not analyze these samples due to insufficient sample.

Multiple VOC compounds were detected in the sub-slab samples, with detected compounds and EPA VISL comparisons provided in Tables 1A and 1B below. The EPA screening level for sub slab and near source for each detected compound is provided for residential use, as the proposed future use of the SP is residential dwellings with some commercial tenants. The commercial screening levels are provided in parenthesis for additional comparison.

The following chemicals, as identified in Tables 1 (in yellow), were present in sub-slab soil vapor samples, in excess of the EPA screening level target concentrations for residential use. The outside reference ambient air sample had much lower concentrations of these compounds, suggesting that these VOC's are present at the reported elevated levels (greater than the ambient air control sample), due to some source of VOC's beneath the building areas identified.

TABLE 1A: Summary of Detected Compounds with comparison to US EPA Vapor Intrusion Screening Levels

Sample ID:	Units	SS-01 Sub slab Building 01 Lab Id: L2140488-01	SS-02 Sub slab Building 04 Lab Id: L2140488-02	SS-03 Sub slab Building 05 Lab Id: L2140488-03	SS-04 Sub slab Building 06 Lab Id: L2140488-04	US EPA VISL Screening Level for sub slab and near-source soil gas Residential (Commercial)
dichlorodifluoromethane	ug/m³	1.94	2.13	1.82	2.15	348 (1,460)
benzene	ug/m³	5.30	10.8	11.0	10.4	12 (52.4)
carbon disulfide	ug/m³	1.21	4.20	2.27	3.39	2,430 (10,200)
chlorobenzene	ug/m³	ND	ND	2.04	ND	174 (730)
chloromethane	ug/m³	1.05	ND	ND	ND	313 (1,310)
1,4-dioxane	ug/m³	ND	0.735	15.5	ND	18.7 (81.8)
ethanol	ug/m³	26.4	507	154	47.1	NA
acetone	ug/m³	37.5	99.8	615	99.3	107,000 (451,000)
trichlorofluoromethane	ug/m³	1.87	1.87	1.80	2.82	NA
methylene chloride	ug/m³	ND	2.44	4.90	5.18	2,090 (8,760)
1,1-dichloroethene	ug/m³	ND	1.03	ND	ND	695 (2,920)
2-butanone	ug/m³	2.74	13.0	12.4	14.7	17,400 (73,000)
chloroform	ug/m³	ND	**27.0**	ND	3.39	4.07 (17.8)
tert butyl alcohol	ug/m³	4.43	18.4	24.0	15.6	NA
tetrahydrofuran	ug/m³	ND	26.0	ND	22.4	6,950 (29,200)
toluene	ug/m³	112	250	271	270	17,400 (73,000)
trichloroethene	ug/m³	ND	3.69	ND	ND	6.95 (29.2)
ethylbenzene	ug/m³	19.2	**86.0**	**93.4**	**91.2**	37.4 (164)
4-ethyltoluene	ug/m³	1.96	17.1	16.0	18.5	NA
n-hexane	ug/m³	6.48	12.1	11.9	13.6	2,430 (10,200)
4-methyl-2-pentanone	ug/m³	ND	2.22	2.65	ND	10,400 (43,800)
cyclohexane	ug/m³	5.68	10.5	10.7	10.4	20,900 (87,600)
1,1,1-trichloroethane	ug/m³	ND	69.8	110	5.15	17,400 (73,000)
heptane	ug/m³	13.2	24.4	27.6	24.7	1.390 (5,840)
2,2,4-trimethylpentane	ug/m³	7.19	12.1	13.2	12.8	NA
1,2,4-trimethylbenzene	ug/m³	6.98	73.3	73.3	84.6	209 (876)
1,3,5-trimethylbenzene	ug/m³	2.23	21.9	22.6	25.2	209 (876)
p/m-xylene	ug/m³	63.9	286	297	319	348 (1,460)
o-xylene	ug/m³	23.5	127	132	138	348 (1,460)
carbon tetrachloride	ug/m³	ND	10.3	ND	ND	15.6 (68.1)
styrene	ug/m³	ND	1.63	1.78	1.37	3,480 (14,600)

Notes: US EPA Vapor Intrusion Screening Level Calculator Run Date 09/17/2021, (Target Cancer Risk = 1E-06; Target Hazard Quotient =0.1); **Highlighted** result indicates it exceeds the sub slab soil gas screening level for residential use;

ND - Not Detected in sample

NA- No Level Provided

TABLE 1B: Summary of Detected Compounds with comparison to US EPA Vapor Intrusion Screening Level

Sample ID:	Units	SS-07 Sub slab Building 09 Lab Id: L2140488-07	SS-08 Sub slab Building 10 Lab Id: L2140488-08	SS-09 Sub slab Building 11 Lab Id: L2140488-09	AA-01 Ambient Air Lab Id: L2140488-10	US EPA VISL Screening Level for sub slab and near-source soil gas Residential (Commercial)
dichlorodifluoromethane	ug/m3	2.41	7.91	2.35	1.97	348 (1,460)
benzene	ug/m3	**29.5**	**31.8**	**14.7**	1.52	12 (52.4)
carbon disulfide	ug/m3	3.52	6.82	4.11	ND	2,430 (10,200)
chloromethane	ug/m3	ND	ND	0.803	1.01	313 (1,310)
ethanol	ug/m3	179	377.0	18.0	ND	NA
acetone	ug/m3	173	1,130.0	94.1	17.1	107,000 (451,000)
trichlorofluoromethane	ug/m3	1.96	ND	1.75	ND	NA
1,3-butadiene	ug/m3	ND	**5.93**	ND	ND	3.12 (13.6)
2-butanone	ug/m3	12.1	35.4	24.3	ND	17,400 (73,000)
chloroform	ug/m3	1.31	ND	ND	ND	4.07 (17.8)
tert butyl alcohol	ug/m3	26.8	101	23.2	ND	NA
tetrahydrofuran	ug/m3	36.0	16.5	14.2	7.90	6,950 (29,200)
ethylbenzene	ug/m3	**96.0**	**127.0**	**106.0**	2.45	37.4 (164)
4-ethyltoluene	ug/m3	11.1	12.7	16.3	ND	NA
heptane	ug/m3	34.6	70.1	35.4	2.17	1.390 (5,840)
n-hexane	ug/m3	16.5	44.8	15.3	1.87	2,430 (10,200)
methylene chloride	ug/m3	ND	7.02	ND	ND	2,090 (8,760)
4-methyl-2-pentanone	ug/m3	2.88	ND	3.29	ND	10,400 (43,800)
cyclohexane	ug/m3	15.7	30.6	12.1	0.792	20,900 (87,600)
1,1,1-trichloroethane	ug/m3	ND	ND	4.27	ND	17,400 (73,000)
toluene	ug/m3	312.0	663.0	357.0	60.7	17,400 (73,000)
2,2,4-trimethylpentane	ug/m3	17.6	41.0	16.1	2.40	NA
tetrachloroethene	ug/m3	ND	ND	12.3	ND	139 (584)
1,2,4-trimethylbenzene	ug/m3	42.0	44.1	61.9	ND	209 (876)
1,3,5-trimethylbenzene	ug/m3	13.5	14.1	18.7	ND	209 (876)
p/m-xylene	ug/m3	295	**424.0**	**354.0**	8.21	348 (1,460)
o-xylene	ug/m3	120	152.0	140.0	2.71	348 (1,460)
carbon tetrachloride	ug/m3	**17.0**	13.9	ND	ND	15.6 (68.1)
styrene	ug/m3	2.01	ND	1.80	ND	3,480 (14,600)

Notes: US EPA Vapor Intrusion Screening Level Calculator Run Date 09/17/2021, (Target Cancer Risk = 1E-06; Target Hazard Quotient =0.1); **Highlighted** result indicates it exceeds the sub slab soil gas screening level for residential use;

ND - Not Detected in sample
NA- No Level Provided

4.0 SOIL AND GROUNDWATER INVESTIGATION

On July 27, 2021, a series of eleven test pits were installed through an area on the north end of the SP where there was evidence of fill placement and where historic documents indicated that waste materials may have been placed during the filling operations. On August 9 through August 12, 2021, Alpine installed a series of test borings in potential areas of concern, and to generally evaluate soil and groundwater quality across the SP.

This investigation was performed to generally screen the overall property, to determine if there was evidence of subsurface soil or groundwater quality impacts on the SP, and to characterize shallow subsurface geologic conditions, to the extent possible, with Geoprobe push-tube shallow soil and groundwater sampling methods. Soil was screened on-site for volatile organic compounds (VOC's) during these investigation phases. Following the soil screening process, soil samples were selected from test pits and the test borings, where field screening suggested evidence of possible contaminant impacts, and were sent to an environmental analytical laboratory and analyzed to determine if they contained contaminants of concern. All test borings were finished as monitoring wells in the shallow unconsolidated aquifer to determine groundwater elevations and to allow for groundwater quality testing/analysis. This report section describes the soil and groundwater quality investigation conducted.

4.1 SOIL INVESTIGATION

4.1.1 Test Pit Investigation

On July 28, 2021, Alpine installed test pits within an area at the northern end of the SP where historic filling was identified during the Phase I ESA. At this time, eleven test pits were excavated in this area and soil and other fill materials were observed and logged by depth for each test pits. Test pit logs are provided in Appendix B of this report.

Test pits were excavated to depths of 10-12 feet below the existing grade and were generally observed and logged at 2-foot intervals, or at any intervals where the changes were observed in geology or the quality or type of fill materials. Locations of the test pits are indicated on Figure 2 of this report.

Soil samples were collected from each test boring, and were screened by ambient temperature headspace analysis, with a photo-ionization detector (PID), upon collection. Soil samples were screened with a handheld PPB-Rae-3000 photo-ionization detector meter (PID) for the general presence of total volatile organic compounds (VOCs). The PID was calibrated with a 10 PPM Isobutylene calibration gas standard and utilized a 10.6 eV. PID detection bulb. PID readings for all sample collection depth intervals (total VOC's by headspace analysis) are recorded on the soil boring logs in Appendix C.

The VOC headspace screening did indicate the presence of slightly elevated volatile organic compounds (VOC's), between 0.5 and 3.0 parts per million, in soil samples from test pits TP-1 (6-11 feet), TP-7 (8-10') and TP-11 (10-11').

In general the type of geology observed was medium to coarse sand and gravel (where fill was not present and covering fill) and often test pits were entirely a mixture of various fill materials

including bricks, wood, concrete, metal items and sand and gravel. No groundwater was observed in any test pits except TP-10 where groundwater entered the test pit at 6 feet below grade, this test pit was terminated at 9-feet below grade due to excessive groundwater infiltration. Of particular note were materials in test pits TP-1 and TP-11 (near TP-1) where both had strong odors, black stained soil/wastes (in TP-1) and elevated PID readings below 6-feet in TP-1 and at 10-feet in TP-11. Soil samples were selected for analysis based on the following observed conditions.

TP-1 Depths 6-8' and 8-10': Both of these depths had dark stained soils and very strong chemical odors and PID screening VOC headspace screening readings of 3.0 parts per million.

TP-7 at 11-feet of depth: This test pit had metal wastes in it and slightly elevated PID readings at the 10-11 foot depth

TP-9 at 8-9 feet of depth: This test pit had typical fill materials including wood, metal, sand and gravel and bricks.

TP-11 at 10 feet of depth: Odorous soil similar to TP-1 was encountered at 10–11 feet of depth.

Overall, the following conditions were noted as a result of the test pit screening and sample collection investigation.

- Strong odorous (chemical odors) conditions were noted in TP-1 from 6 feet to the bottom of the test pit at 11-feet and in test pit TP-11 at the 10-foot depth. Elevated PID readings were also recorded consistent with the 6-11 foot depth where stained soils were noted.

- Most of the test pits excavated contained fill materials including old rotting wood, bricks, metal waste items (including a vehicle axel in TP-9), concrete and sand & gravel.

4.1.2 Test Pit Laboratory Soil Sample Analysis

Soil field screening results were used as the basis for selecting and submitting test pit soil samples for laboratory analysis, in representative areas and at depths where contaminants were detected during field screening. The soil screening did identify the presence of VOC contaminated soil as well as visual and odorous evidence in the these test pits. Representative samples from three of the test pits indicating conditions of concern were submitted for laboratory analysis.

Soil samples were collected in 4-oz. laboratory-provided clean glass sample jars and were placed in a cooler with ice for preservation and transport for laboratory analysis. Samples were transported to a NYSDEC ELAP certified environmental testing laboratory for analysis under a chain-of-custody. Results of the chemical lab analyses are summarized below in Table 2.

A total of four soil samples from three test pits were laboratory analyzed for volatile organic compounds (VOC's) by EPA Method 8260, for the NYS CP-51 list of semi-volatile organic (SVOC) petroleum compounds by EPA Method 8270, for PCB's by EPA Method 8082, and for the RCRA list of heavy metals.

TABLE 2: SUMMARY OF COMPOUNDS DETECTED IN TEST PIT SOIL SAMPLES

Target Compounds Detected	TP-1 6-8 Ft (ug/kg) L2140625-01	TP-1, 8-10 Ft (ug/kg) L2140625-02	TP-9, 8-9 Ft (ug/kg) L2140625-03	TP-11 10 Ft (ug/kg) L2140625-04	NYS DEC Cleanup Objective (ug/kg)
VOCs via EPA 8260B					
Acetone	440	1,200	nd	nd	50
Benzene	nd	nd	nd	0.28	60
2-Butanone (MEK)	190	390	nd	nd	120
Carbon Disulfide	8.8	10	nd	nd	NS
Chloroform	11	12	0.21	0.19	370
Methyl Acetate	330	530	nd	nd	NS
Toluene	100	1,700	1.4	2.1	700
Semi-VOCs via EPA 8270C (CP-51 List)					
Anthracene	nd	nd	48	nd	100,000
Benzo(a)anthracene	nd	31	120	44	1,000
Benzo(a)pyrene	nd	nd	89	nd	1,000
Benzo(b)Fluoranthene	nd	62	120	61	1,000
Benzo(k)Fluoranthene	nd	nd	49	40	1,000
Chrysene	19	110	120	65	1,000
Benzo(ghi)perylene	nd	26	52	40	100,000
Fluoranthene	nd	44	240	64	100,000
Fluorene	nd	nd	19	nd	100,000
Ideno(1,2,3-cd)pyrene	nd	nd	56	36	500
Phenanthrene	nd	43	180	78	100,000
Pyrene	nd	45	190	57	100,000
PCB's					
Aroclor 1268	748	1,300	78.3	1,830	1,000
Total PCB's	748	1,300	78.3	1,830	1,000
Metals	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	6.52	7.36	7.80	14.5	16 (16)
Barium	82.9	123.0	99.0	476.0	350 (400)
Cadmium	1.49	1.56	1.48	3.83	2.5 (7.5)
Chromium	86.3	105.0	31.8	277.0	36 (1500)
Mercury	0.22	0.45	0.18	0.26	0.73 (0.73)
Lead	75.3	158.0	81.6	552.0	400 (450)
Silver	0.53	0.81	< 0.37	2.76	8.3 (8.3)
Selenium	< 1.6	< 1.7	< 1.5	< 1.7	4 (4)

nd -indicates below the method detection limit
ug/kg -indicates micrograms of contaminant per kilogram of soil; mg/kg indicates milligrams of contaminant per kilogram of soil, 1 mg/kg = 1 part per million (ppm)
Highlighted result exceed NYS DEC Soil Cleanup Objectives / where indicated, residential clean up objective followed by commercial/industrial clean up objective in parentheses
SCOs for organic contaminants (volatile organic compounds, semi-volatile organic compounds, and pesticides) are capped at 100 ppm for residential use, 500 ppm for commercial use, 1000 ppm for industrial use. SCOs for metals are capped at 10,000 ppm.
NS = No NYSDEC standards or guidance values have been set for these compounds

Soil quality conditions were assessed based on soil cleanup objectives provided by NYSDEC under their CP-51 Soil Cleanup guidance document, and when applicable, the soil cleanup and re-use standards contained in NYSDEC Part 375, which are used to define the re-use of impacted soil in New York State under the Brownfields and hazardous waste cleanup programs. Laboratory analysis results for the soil samples are attached in Appendix D.

Volatile organic compounds were detected in both soil samples from test pit TP-1, above soil cleanup standards, criteria or guidelines (SCGs). Soil from 6-10 feet of depth in this test pit exceeded cleanup standards for acetone, MEK and toluene. Soil quality from the other two test pits did not exceed VOC cleanup standards.

PCB's (aroclor 1268) was also detected in the soil samples from TP-1 (8-10 foot depth) and from TP-11 at 10 feet of depth and in both cases exceeded cleanup standards for total PCB's.

Analysis for the RCRA list of heavy metals also indicated that soil samples from TP-1 at 6-10 feet failed cleanup standards for chromium and the soil sample from test pit TP-11 exceeded cleanup standards for barium, cadmium, chromium, and lead.

No cleanup standards were exceeded for the 8-9 foot depth in the soil sample collected from test pit TP-9.

4.2.1 Test Boring and Soil Sampling Investigation

A total of twenty (20) test borings were advanced with a Geoprobe hydraulic direct push rig on August 9 through August 12, 2021. Test boring locations are shown on Figure 2 of this report. Soil samples were collected in five-foot depth intervals using a 2-inch dual tube push sampler with polyethylene sampling tube inserts. The soil sample cores were then observed and the geology for each depth interval was logged. Soil samples were field screened by ambient temperature headspace analysis for the presence of volatile organic compounds with a photo-ionization detector meter (PID). The geologic sampling was limited to the depth interval at which a sufficient groundwater depth was present to set monitoring wells in the shallow unconfined site aquifer.

This investigation revealed that the shallow unconsolidated site geology at the SP was generally identified as medium to coarse sand and gravel in most areas with fine sand, silt and fine gravel fill materials prevalent in the upper 5-10 feet of depth in most borings. These findings are consistent with the USGS mapping of the SP area as Hoosic gravelly-sandy loam, transitioning to silty-clay udorthents from the SP west to the river basin. Groundwater was present in all site borings and varied from as shallow as 3-feet to as deep as 16 feet below the ground surface. Bedrock was not encountered in any test borings.

The SP surface grade slopes moderately across the property from east to west and has been substantially cut and graded to facilitate access around the site buildings. The grade generally varies from approximately 35 to 70-feet above mean sea level along the eastern side of the SP, sloping downward to 20 to 25 feet above MSL on the western side, where it meets the grade of a railroad bed. The Hudson River lies to the west of the railroad at a USGS mapped mean elevation of approximately 6-feet above MSL. The eastern side of the property appears to have been substantially cut into a steeply sloping hillside which rises upward to the east. Shallow groundwater flow across the SP is westward into the Hudson River Basin and appears to be substantially altered in some areas of the SP, likely due to the placement of buildings and drainage systems across the property. Groundwater elevations and a groundwater contour map are provided as Figure 4 of this report. The groundwater elevations and contours are based on the surveyed monitoring well depths and elevations are based on approximate ground elevations as provided on a site property contour map (Weston & Samson, April 14, 2014). Elevations were surveyed between wells and the vertical datum was approximated based on comparison to a mapped ground surface elevations.

Borings were advanced across the SP where the Phase I ESA indicated potential areas of concern as well as in a linear spaced pattern along the length of the property to provide a general overall profile of site geology and soil and groundwater quality. Boring locations were also confined to locations were underground utilities and site structures were not present.

Soil boring logs from this investigation are provided in Appendix C of this report. Test boring locations are shown on Figure 2 of this report.

4.2.2 PID Soil Screening Analysis for VOC's

Soil samples were collected from each test boring, and were screened upon collection by ambient temperature headspace analysis, with a photo-ionization detector (PID)..

Soil samples were screened with a handheld PPB-Rae-3000 PID for the general presence of total VOCs. The PID was calibrated with a 10 PPM Isobutylene calibration gas standard and utilized a 10.6 eV. PID detection bulb. PID readings for all sample collection depth intervals (total VOC's by headspace analysis) are recorded on the soil boring logs in Appendix C.

The VOC headspace screening did indicate the presence of low levels of VOC's in a select few soil samples from site test borings, these conditions are noted by depth on the soil borings logs in Appendix C. The detection of elevated VOC levels in soil was utilized as one of the criteria for selection of soil samples to be analyzed in the testing laboratory. Soil samples were also selected where petroleum sheens, odors or visual petroleum was observed in soil samples. Other than apparent indications of petroleum in a small number of test boring samples, no other chemical contaminant impacts were observed in soil boring samples.

4.2.3 Laboratory Soil Sample Analysis

Soil field screening results are typically used as the basis for selecting and submitting soil samples for laboratory analysis and to obtain a general distribution of data across the investigation area. The soil screening at the SP did identify the presence of VOC contaminated soil in a total of seven test borings. The soil depth sample from the depth interval with the highest reading and/or most visually contaminated depth from each of these seven soil borings was selected for laboratory analysis. Elevated PID readings and visual or odorous contamination was not noted in soil from any of the other 13 test borings. The following samples were selected for laboratory analysis as follows.

Sample Location	**Description**
B-1 @ 10-15 feet	Dark oily stained soil and elevated PID reading = 65 PPM
B-2 @ 10-15 feet	Dark oily stained soil and elevated PID reading = 53 PPM
B-7 @ 4-5 feet	Elevated PID reading = 2.8 PPM
B-8 @ 4-5 feet	Oily stained soil and elevated PID reading = 23 PPM
B-13 @ 10-15 feet	Elevated PID reading = 62 PPM
B-19 @ 15-20 feet	Dark gray stained soil and elevated PID reading = 4.0 PPM
B-20 @ 16-18 feet	Dark oily stained soil and elevated PID reading = 7.5 PPM

Soil samples were collected in 4-oz. laboratory-provided clean glass sample jars and were placed in a cooler with ice for preservation and transport for laboratory analysis. Samples were

transported to a certified environmental testing laboratory for analysis under a chain-of-custody. Results of the chemical lab analyses are provided in Appendix D.

The seven soil samples selected as described above, were analyzed for typical petroleum and industrial solvent volatile organic compounds (VOC's) by EPA Method 8260, by EPA Method 8270 for typical NYS regulated petroleum semi-volatile organic compounds, for PCB's by EPA Method 8082, and for the EPA RCRA list of eight heavy metals.

Soil quality conditions were assessed based on soil cleanup objectives provided by NYSDEC under their CP-51 Soil Cleanup guidance document, and the soil cleanup and re-use standards contained in NYSDEC Part 375, which are used to define the re-use of impacted soil in New York State under the Brownfields and hazardous waste cleanup programs. Laboratory analysis results for the soil samples are attached in Appendix D and summarized below in Table 3.

Volatile organic compounds were detected in only one soil sample, B-8 (4-5 foot depth) at or above soil cleanup standards, criteria or guidelines (SCGs). This sample marginally exceeded the soil cleanup objective for acetone, with acetone also identified in all but one of the other soil samples, below the cleanup standard. Acetone is a solvent frequently used in testing laboratories and is often introduced into the sampling process as a laboratory artifact at low concentrations. Given the limited soil sampling dataset and the fact that sample collection blanks were not utilized during this sampling process, it is not possible to determine if these low concentrations of acetone are a laboratory artifact or if it may actually be present in the site samples. Additional soil sampling at the SP with control and blank samples would be necessary to determine if acetone is present as site soil contaminant, in these areas of the site.

DEC CP-51 SVOCs were detected at trace levels in five of the seven samples, below the cleanup standards, and most prominently, in the sample from boring B-8. No obvious source area for petroleum or other SVOC contamination was identified in the areas of borings B-7, B-8, B-13 or B-19. Concentrations of the detected SVOC compounds are summarized in Table 3 Below.

Substantial petroleum oily contamination was identified in samples from borings B-1, B-2 and B-20, around building #1, the former facility boiler house and in the vicinity of a 20,000-gallon #6 fuel oil underground storage tank that was discovered during this investigation. The NYSDEC was notified of this finding during the investigation and the incident was assigned petroleum spill number 2104385. The closure of this storage tank, and a second 1,000-gallon oil/water separator tank, as well as a preliminary investigation onto the identified spill, were also performed in September 2021 with the property owners during the process of this investigation. These activities are documented in a petroleum spill investigation and storage tank closure report, separate from this Phase II ESA Investigation report.

Due to the presence of oily contamination identified in some areas of the SP, samples identified as potentially contaminated were additionally analyzed for the presence of polychlorinated biphenyls (PCB's).This analysis indicates the presence of PCB's and reports the results by concentration and by the PCB aroclors that are detected. Aroclors are mixtures of PCB congeners and are defined by mass percent of chloring in the PCB, with the heaviest aroclors being the most persistent, least likely to degrade in the environment and therefore more toxic to the ecosystem than the lighter aroclors.

TABLE 3A: SUMMARY OF DETECTED COMPOUNDS IN SOIL BORING SAMPLES

Target Compounds	B-1 10-15 Ft (ug/kg) L2144034-01	B-2, 10-15 Ft (ug/kg) L2144034-02	B-7, 4-5 Ft (ug/kg) L2144034-03	B-8 4-5 Ft (ug/kg) L2144034-04	NYS DEC Cleanup Objective (ug/kg)
VOCs via EPA 8260B					
Acetone	20	20	34	77	50
Benzene	0.73	nd	nd	nd	60
n-Butylbenzene	37	3.1	6.1	nd	12,000
sec-Butylbenzene	56	5.0	16	2.0	11,000
tert-Butylbenzene	8.8	0.73	2.2	0.79	5,900
1,2-Dichlorobenzene	1.3	0.16	1.0	nd	1,100
1,3-Dichlorobenzene	nd	nd	0.22	nd	2,400
1,4-Dichlorobenzene	nd	nd	0.35	nd	1,800
1,1-Dichloroethane	nd	nd	nd	0.40	270
Ethylbenzene	3.5	nd	0.31	nd	1,000
Isopropylbenzene	29	0.80	2.0	0.27	2,300
Naphthalene	70	1.9	6.4	14	12,000
p-Isopropyltoluene	13	0.25	0.28	nd	10,000
n-Propylbenzene	18	nd	nd	nd	3,900
Toluene	1.3	nd	0.87	nd	700
1,3,5-Trimethylbenzene	33	nd	0.57	0.52	8,400
1,2,4-Trimethylbenzene	160	0.40	3.0	0.76	3,600
p/m-Xylenes	5.4	nd	nd	nd	260
o-Xylene	1.4	nd	0.54	nd	260
Cyclohexane	7.7	3.1	0.6	0.72	NS
Methylcyclohexane	35	12	8.5	2.4	NS
Semi-VOCs via EPA 8270C					
Anthracene	120	nd	61	430	100,000
Acenaphthene	140	nd	70	330	20,000
Acenaphthylene	35	nd	nd	120	100,000
Benzo(a)anthracene	160	41	120	780	1,000
Benzo(a)pyrene	61	nd	54	430	1,000
Benzo(b)Fluoranthene	43	nd	37	880	1,000
Benzo(k)Fluoranthene	nd	nd	nd	220	800
Chrysene	240	60	250	1300	1,000
Benzo(ghi)perylene	42	nd	28	270	100,000
Dibenzo(a,h)anthracene	nd	nd	nd	100	330
Fluoranthene	55	nd	47	1200	100,000
Fluorene	150	34	130	nd	30,000
Ideno(1,2,3-cd)pyrene	nd	nd	310	320	500
Phenanthrene	730	88	150	1000	100,000
Pyrene	210	51	160	1300	100,000
PCB's					
Aroclor 1268	nd	nd	nd	15.8	1,000
Total PCB's	nd	nd	nd	15.8	1,000
Metals					Mg/KG
Arsenic	5.58	-	5.42	37.2	16 (16)
Barium	26.6	-	42.7	33.6	350 (500)
Cadmium	0.212	-	0.226	0.526	2.5 (7.5)

Chromium	11.2	-	13.3	21.2	36 (1500)
Mercury	nd	-	0.048	0.123	0.73 (0.73)
Lead	8.48	-	13.7	65.8	400 (450)
Silver	nd	-	nd	nd	8.3 (8.3)
Selenium	0.655	-	0.885	3.93	4 (4)

nd -indicates below the method detection limit
ug/kg -indicates micrograms of contaminant per kilogram of soil or parts per billion (ppb)
mg/kg -indicates milligrams of contaminant per kilogram of soil or parts per million (ppm)
BOLD result exceeds NYS DEC CP51 Recommended Soil Cleanup Objectives (Residential)
standard criteria and guidelines; SVOCs from CP51 list.
SCOs for organic contaminants (volatile organic compounds, semi-volatile organic compounds, and pesticides) are capped at 100 ppm for residential use, 500 ppm for commercial use, 1000 ppm for industrial use. SCOs for metals are capped at 10,000 ppm.
NS = No NYSDEC standards or guidance values have been set for these compounds
(-) in a results space indicates that this sample was not analyzed for this parameter

TABLE 3B: SUMMARY OF DETECTED COMPOUNDS IN SOIL BORING SAMPLES

Target Compounds	B-13 10-15 Ft (ug/kg) L2144034-05	B-19, 15-20 Ft (ug/kg) L2144034-06	B-20, 16-18 Ft (ug/kg) L2144034-07	NYS DEC Cleanup Objective (ug/kg)
VOCs via EPA 8260B				
Acetone	nd	13	9.7	50
n-Butylbenzene	0.28	nd	nd	12,000
sec-Butylbenzene	nd	0.40	0.33	11,000
tert-Butylbenzene	nd	nd	0.58	5,900
Chlorobenzene	nd	nd	0.34	1,100
Ethylbenzene	nd	0.37	nd	1,000
Isopropylbenzene	nd	0.14	nd	2,300
Naphthalene	nd	nd	1.8	12,000
n-Propylbenzene	nd	0.22	nd	3,900
1,2,4-Trimethylbenzene	nd	0.34	0.44	3,600
Methylcyclohexane	nd	0.93	0.71	NS
Semi-VOCs via EPA 8270C				
Benzo(a)anthracene	nd	nd	76	1,000
Chrysene	nd	nd	96	1,000
Pyrene	nd	nd	99	100,000
PCB's				
Total PCB's	nd	nd	nd	1,000
Metals				mg/Kg
Arsenic	-	6.18	-	16 (16)
Barium	-	26.7	-	350 (500)
Cadmium	-	0.245	-	2.5 (7.5)
Chromium	-	13.4	-	36 (1500)
Mercury	-	nd	-	0.73 (0.73)
Lead	-	8.54	-	400 (450)
Silver	-	0.127	-	8.3 (8.3)
Selenium	-	0.616	-	4 (4)

nd -indicates below the method detection limit
ug/kg -indicates micrograms of contaminant per kilogram of soil or parts per billion (ppb)
mg/kg -indicates milligrams of contaminant per kilogram of soil or parts per million (ppm)
BOLD result exceeds NYS DEC CP51 Recommended Soil Cleanup Objectives (Residential)
standard criteria and guidelines; SVOCs from CP51 list.
SCOs for organic contaminants (volatile organic compounds, semi-volatile organic compounds, and pesticides) are capped at 100 ppm for residential use, 500 ppm for commercial use, 1000 ppm for industrial use. SCOs for metals are capped at 10,000 ppm.
NS = No NYSDEC standards or guidance values have been set for these compounds
(-) in a results space indicates that this sample was not analyzed for this parameter

This analysis did identify the presence of PCB's, only in the sample from Boring B-8 and substantially below the 1,000 parts per billion cleanup standard, reported at 15.8 parts per billion (or ug/kg).

Four of the seven soil boring samples were additionally analyzed for the presence of the RCRA list of eight heavy metals. The RCRA-8 heavy metals are the most commonly heavy metals used and regulated in industry and are therefore a common group of metals used to determine if a heavy metals contamination issue exists in soil as compared to the typical background concentrations of these metals normally found in soils of the US. This analysis generally determined that the heavy metals concentrations were consistently below the normal background ranges of concentrations of the metals, typically found in non-contaminated soil conditions. The one exception to this was the concentration of arsenic found in the sample from boring B-8, reported as 37.2 PPM, as compared to the normal high concentration of 16 PPM typically found in uncontaminated soils. This same sample similarly had the highest concentrations of semi-volatile organic petroleum compounds (near but below cleanup standards) and also exceeded the VOC limit for acetone. As such, it is presumed that some industrial uses of the property in this area may have led to the elevated concentrations of these compounds in the boring B-8 area.

4.3.1 GROUNDWATER INVESTIGATION

Groundwater monitoring wells were installed in all twenty of the site test borings after the soil sampling was completed. Sampling points were constructed by installing 1-inch PVC well screen and riser into the boreholes to provide a screened water column for sample collection. Ten feet of 0.020" slotted one-inch PCV well screen with a bottom plug and solid 1-inch PVC riser was installed into each of the borings immediately following removal of the Geoprobe soil sampling tooling. Well screen was packed with silica sand in the annular space around the well screen and was sealed above the well screen with hydrated bentonite clay to prevent surface water infiltration into the wells. Wells were all completed at the ground surface with curb boxes cemented into the ground with a small concrete surface pad. Monitoring well locations are shown on Figure 2 of this report.

Groundwater was encountered in all of the test borings installed on the site. A survey of groundwater elevations for the twenty site monitoring wells confirms that the flow of groundwater across the site is generally westward toward the Hudson with some local variations as indicated on Figure 4.

All groundwater sampling points were sampled with the use of a peristaltic pump and dedicated tubing. Site monitoring wells were sampled approximately two weeks after installation by slowly purging a minimum of three or more well volumes of water from each well (until turbid silt conditions were not observed and the well water maintained clear water flow) and then collecting grab samples. For VOC analysis, samples were collected in laboratory provided 40mL VOA vials preserved with HCl acid, and the samples were then placed in a cooler and preserved with ice for transport to the testing laboratory. Dedicated clean tubing was used for each well to ensure against cross contamination between wells. Samples for SVOC analysis and metals, where indicated, were collected in containers provided from the laboratory for those specific analysis, and similarly preserved for transport to the laboratory.

4.3.2 Laboratory Sample Analysis

A total of twenty groundwater samples, one from each monitoring well, were collected and then analyzed in an environmental testing laboratory for VOCs by EPA Method 8260. Additional samples for semi-volatile petroleum compound analysis, PCB's and metals were also collected and analyzed as indicated in select wells where oil or other petroleum conditions were apparent during field screening. VOC analytes detected in the groundwater samples are summarized below in Tables 4A-4D. The following sampling/analysis, in addition to VOC's (performed in all monitoring wells) was performed.

Monitoring Well	**Condition Observed**
MW-2	Oily contamination in test boring soil samples (SVOC's and PCB's)
MW-11	Oily contamination in test boring soil samples (SVOC's and PCB's)
MW-17	Downgradient of historic electrical substation
MW-18	Downgradient of historic electrical substation

TABLE 4A: SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES

Target Compounds	MW-1 GW, L2146038-01 (ug/L)	MW-2 GW, L2146038-02 (ug/L)	MW-3 GW, L2146038-03 (ug/L)	MW-4 GW, L2147161-01 (ug/L)	MW-5 GW, L2146038-04 (ug/L)	**NYS DEC Groundwater Standards (ug/L)**
VOCs via EPA 8260						
Acetone	3.6	nd	nd	nd	nd	50
1,1-Dichloroethane	nd	nd	nd	4.7	nd	5
Isopropylbenzene	1.5	nd	nd	nd	nd	5
Toluene	nd	nd	nd	nd	0.70	5
1,1,1-Trichloroethane	nd	nd	nd	32	nd	5
Cyclohexane	3.9	1.8	nd	nd	nd	NS
Methyl Cyclohexane	4.7	0.92	nd	nd	nd	NS
Semi-VOCs via EPA 8270C						
Anthracene	-	0.30	-	-	-	50
Acenaphthene	-	0.70	-	-	-	5.3
Acenaphthylene	-	0.11	-	-	-	NS
Benzo(a)anthracene	-	0.33	-	-	-	0.002
Benzo(a)pyrene	-	0.20	-	-	-	ND
Benzo(b)Fluoranthene	-	0.14	-	-	-	0.002
Benzo(k)Fluoranthene	-	0.03	-	-	-	0.002
Chrysene	-	0.71	-	-	-	0.002
Benzo(ghi)perylene	-	0.12	-	-	-	NS
Dibenzo(a,h)anthracene	-	0.06	-	-	-	NS
Fluoranthene	-	0.17	-	-	-	50
Fluorene	-	0.86	-	-	-	50
Ideno(1,2,3-cd)pyrene	-	0.04	-	-	-	0.002
Naphthalene	-	0.17	-	-	-	13
Phenanthrene	-	0.89	-	-	-	50
Pyrene	-	0.61	-	-	-	50
PCB's						
Total PCB's	-	nd	-	-	-	0.09

TABLE 4B: SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES

Target Compounds	MW-6 GW, L2146038-05 (ug/L)	MW-7 GW, L2146038-06 (ug/L)	MW-8 GW, L2146038-07 (ug/L)	MW-9 GW, L2146038-08 (ug/L)	MW-10 GW, L2146038-09 (ug/L)	**NYS DEC Groundwater Standards (ug/L)**
VOCs via EPA 8260						
Acetone	nd	nd	nd	nd	1.6	50
Toluene	0.79	nd	nd	nd	nd	5
Cyclohexane	0.51	nd	nd	nd	nd	NS

TABLE 4C: SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES

Target Compounds	MW-11 GW, L2146038-10 (ug/L)	MW-12 GW, L2146038-11 (ug/L)	MW-13 GW, L2146038-12 (ug/L)	MW-14 GW, L2146038-13 (ug/L)	MW-15 GW, L2146038-14 (ug/L)	**NYS DEC Groundwater Standards (ug/L)**
VOCs via EPA 8260						
Acetone	nd	1.5	nd	nd	nd	50
Chloroform	nd	nd	nd	1.3	nd	7
Semi-VOCs via EPA 8270C						
Bis(2-ethylhexyl)phthalate	5.1	-	-	-	-	5
Phenanthrene	0.04	-	-	-	-	50
Dibenzo(a,h)anthracene	0.01	-	-	-	-	NS
Ideno(1,2,3-cd)pyrene	0.01	-	-	-	-	0.002
PCB's						
Total PCB's	nd	-	-	-	-	0.09

TABLE 4D: SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES

Target Compounds	MW-16 GW, L2146038-15 (ug/L)	MW-17 GW, L2146038-16 (ug/L)	MW-18 GW, L2146038-17 (ug/L)	MW-19 GW, L2146038-18 (ug/L)	MW-20 GW, L2146038-19 (ug/L)	**NYS DEC Groundwater Standards (ug/L)**
VOCs via EPA 8260						
Acetone	3.8	nd	nd	nd	2.7	50
Carbon disulfide	nd	nd	nd	nd	3.0	60
1,1,1-Trichloroethane	nd	nd	nd	0.71	nd	5
PCB's						
Total PCB's	-	nd	nd	-	-	0.09

ND = indicates that compounds were not detected
ug/kg -indicates micrograms of contaminant per Kilogram of Soil or Parts Per Billion
Highlighted result exceed NYS DEC Groundwater Quality Standards; SVOCs analyzed for CP51 list.
NS = No Standard
(-) in a results space indicates that this sample was not analyzed for this parameter

5.0 HISTORIC SUBSTATION INVESTIGATION

An electrical substation was historically present to the east of Building 5 and south of Building 11. Use of this substation was discontinued and apparently dismantled sometime after the mill operations left in the 1960's and during use of the subsequent use of the property as the Hilton Center, when transformers were installed on power utility poles and power was redirected directly to the site buildings via overhead low voltage lines. The foundation of the substation and concrete surface pads where transformers were mounted are still present in this area and soil/gravel is

present within the concrete foundation and around the transformer pads. As a screening to determine if there is evidence of PCB oil spills from historic transformers in this area, shallow soil samples were collected adjacent to transformer pads, within the foundation, one near a southern pad and one near a northern pad in the containment area. This area was heavily overgrown at the time of the sampling which substantially limited observation and access to the ground surface in the containment area.

Sampling was performed by had digging and collecting a 0-1 foot deep soil sample next to the western side of each of these transformer pads. No oily staining was obvious in the soil when collected. The samples were collected into laboratory provided soil jars, refrigerated for transport to the testing lab. Samples were analyzed for the presence of poly aromatic hydrocarbon (PAH) semi-volatile organic compounds (SVOC's) by EPA test method 8270, and for Polychlorinated Biphenyls (PCB's) be EPA test method 8082.

Laboratory Soil Sample Analysis

Sample analysis results for two soil samples collected from 0-1 foot of depth within the former electrical substation concrete enclosure did not indicate the presence of petroleum or PCB contamination. This sampling and analysis did not indicate impacts from historic PCB and petroleum transformer oil spills that can occur in these substation areas.

TABLE 5: SUMMARY OF SVOC & PCB COMPOUNDS IN SOIL SAMPLES AT SUB-STATION

Target Compounds	SubSta-1 (ug/kg) L2144034-03	SubSta-2, (ug/kg) L2144034-04	NYS DEC Cleanup Objective (ug/kg)
VOCs via EPA 8260B			
Trichloroethene	1.0	0.26	470
Semi-VOCs via EPA 8270C, CP51 List			
Anthracene	nd	nd	100,000
Benzo(a)anthracene	nd	nd	1,000
Benzo(a)pyrene	nd	nd	1,000
Benzo(b)Fluoranthene	nd	nd	1,000
Benzo(k)Fluoranthene	nd	nd	800
Chrysene	nd	nd	1,000
Benzo(ghi)perylene	nd	nd	100,000
Fluoranthene	nd	nd	100,000
Fluorene	nd	nd	30,000
Ideno(1,2,3-cd)pyrene	nd	nd	500
Phenanthrene	nd	nd	100,000
Pyrene	nd	nd	100,000
PCB's			
Total PCB's	nd	nd	1,000

nd -indicates below the method detection limit;
ug/kg -indicates micrograms of contaminant per kilogram of soil or parts per billion (ppb)
BOLD result exceeds NYS DEC CP51 Recommended Soil Cleanup Objectives (Residential)
standard criteria and guidelines; SVOCs from CP51 list.

6.0 STORMWATER SYSTEM INVESTIGATION

The site has an extensive network of storm drains that appear to interconnected and ultimately discharge to the Hudson River to the west of the SP. Multiple drain pipes reportedly traverse beneath the railroad to the west of the SP and daylight at the edge of the river. These pipes originate at catch basins along the west side of the westernmost site buildings and then discharge to the river. Multiple catch basins are present along the western and central site access roads. Floor drains are also present in most of the site buildings and it is believed, although not confirmed, that these floor drains discharge into the storm drain pipes and also ultimately into the river. A dye trace study was performed in January of 1989 for the NYSDEC at the SP in an effort to understand how some of these drains interconnect and how they discharge to the river. This study was performed to understand how oil found discharging into the river may have been originating from the Jelliff Corporation, then operating from the SP and using large quantities of oil within site Building #5. The study did identify some level of interconnection of building drains into the storm drainage system. In addition to this drainage system, a 100,000-gallon sub-grade concrete storage tank is present at the southwest corner of Building #5. It is also presumed that his tank is somehow interconnected with the storm drain system and sampling was also performed in this tank from a manhole on the top of the tank.

Sampling was performed as follows on September 10, 2021. Sampling locations are indicated on Figure 2 of this report.

The 100,000-gallon storage tank was accessed through a manhole at the southeast corner of the tank. Water within the tank was pumped out with a peristaltic pump and containers were filled for testing. Sediment testing within this tank was also proposed, but upon accessing the tank, no obvious accumulation of sediment was identified. Scrap metal pipes and other metal and concrete was piled on the bottom of the tank, obstructing access to the bottom, but no obvious sediment was observed. Water in the tank was measured at a depth of 6-feet from the top of the manhole. The water in the tank was estimated to be three to four feet deep, but the bottom could not be confirmed due to the presence of excess debris in the bottom. The water sample was designated as “SW-Tank”.

One storm drain was sampled near the west side of Building #6 (Figure 2) and this drain was used as a spot sampling of drains along the west or downgradient of side of the site building complex. Multiple additional drains are also present along this side of the building, but most were not functional and were covered with upside down empty 55-gallon drums at the time of this investigation. Water and sediment samples were collected from this drain for laboratory analysis. Samples were designated as storm drain #1 or “SW-DR-1”. Water within the drain was pumped out with a peristaltic pump and containers were filled for testing. Sediment was directly scooped out with a shovel and transferred into sample containers. Approximately one foot of water depth was present in the drain at approximately one-foot down from the surface grade, sediment therefore was approximately 2-feet deep from grade. Drain discharge piping was present above the sediment level.

A second storm drain is present near the northwest corner of Building #10 (Figure 2). Sediment from his drain was sampled in the same way as storm drain 1 (above) and was designated as SW-DR-2”. No water was present in the drain at the time of sampling. The top of sediment was approximately three feet below ground level and drainage pipes were present in the side of the drain basin above the sediment.

Laboratory Soil Sample Analysis

Soil sample laboratory analysis results indicate the presence of low concentrations of VOC's and SVOC compounds in storm drain sediments. Minor exceedances of some SVOC compounds were identified in the storm drain sediments. Low concentrations of PCB's and heavy metals, below cleanup standards, were also present in these sediment samples. There was no visual or odorous evidence of contamination in these sediments.

TABLE 6A: SUMMARY OF VOC, SVOC, & PCB COMPOUNDS IN STORM DRAIN SEDIMENT

Target Compounds	SW-DR-1, (ug/kg) L2149063-02	SW-DR-2 (ug/kg) L2149063-06	NYS DEC Cleanup Objective (ug/kg)
VOCs via EPA 8260B			
Acetone	6.9	nd	50
Trichloroethene	nd	4.6	470
Semi-VOCs via EPA 8270C CP-51 List			
Acenaphthene	44	180	98,000
Naphthalene	39	290	12,000
Bis(2-ethylhexyl)phthalate	230	62	50,000
Butyl benzene phthalate	280	nd	100,000
Anthracene	140	370	100,000
Benzo(a)anthracene	420	**1,100**	1,000
Benzo(a)pyrene	390	1,000	1,000
Benzo(b)Fluoranthene	560	**1,400**	1,000
Benzo(k)Fluoranthene	150	420	800
Chrysene	420	1,000	1,000
Benzo(ghi)perylene	260	690	100,000
Fluoranthene	790	2,100	100,000
Fluorene	50	210	30,000
Dibenzo(a,h)anthracene	66	160	330
Ideno(1,2,3-cd)pyrene	290	**750**	500
Phenanthrene	550	1,700	100,000
Pyrene	630	1,800	100,000
Dibenzofuran	34	150	NS
2-Methylnaphthalene	nd	74	410
Carbazole	80	290	NS
PCB's			
Aroclor 1268	10.6	nd	1,000
Aroclor 1260	5.64	nd	1,000
Total PCB's	16.2	nd	1,000
Metals	mg/kg	mg/kg	mg/kg
Arsenic	5.01	3.08	16 (16)
Barium	51.3	50.6	350 (500)
Cadmium	1.02	nd	2.5 (7.5)
Chromium	18.8	11.1	36 (1500)
Mercury	0.136	nd	0.73 (0.73)
Lead	51.6	15.2	400 (450)
Silver	nd	0.130	8.3 (8.3)
Selenium	0.268	0.185	4 (4)

TABLE 6B: SUMMARY OF DETECTED VOC, SVOC, & PCB COMPOUNDS IN STORM DRAIN WATER

Target Compounds	**SW-TANK (ug/liter) L2149063-01**	**SW-DR-1, (ug/liter) L2149063-05**	NYS DEC Cleanup Objective (ug/liter)
VOCs via EPA 8260B			
2-Butanone (MEK)	nd	1.9	120
Chloroform	nd	1.4	7
tetrachloroethylene	nd	0.28	5
PCBs			
Total PCB's	nd	-	0.09

nd -indicates below the method detection limit; - indicates sample not analyzed for the compound
ug/kg -indicates micrograms of contaminant per kilogram of soil or parts per billion (ppb)
mg/kg -indicates milligrams of contaminant per kilogram of soil or parts per million (ppm)
BOLD result exceeds NYS DEC CP51 Recommended Soil Cleanup Objectives (Residential)
standard criteria and guidelines; SVOCs from CP51 list.
SCOs for organic contaminants (volatile organic compounds, semi-volatile organic compounds, and pesticides) are capped at 100 ppm for residential use, 500 ppm for commercial use, 1000 ppm for industrial use. SCOs for metals are capped at 10,000 ppm.
NS = No NYSDEC standards or guidance values have been set for these compounds

Stormwater in the large holding tank was free of VOC and SVOC contaminants, and levels of VOC contamination, substantially below groundwater quality standards, were detected in the DR-1 storm drain. None of these impacts suggest that the storm drain system is an ongoing source of site soil or groundwater contamination. Maintenance of these drains including removal and disposal of accumulated sediments, would serve to remove these remnant contaminants from the SP.

7.0 CONCLUSIONS

Alpine Environmental Services, Inc. has completed a Phase II ESA of soil, soil gas, and groundwater quality of shallow subsurface conditions in the above described areas of this Subject Property (SP), to determine if Recognized Environmental Conditions (REC's) identified during the Phase I ESA investigation have adversely impacted soil, soil gas, or groundwater on the SP. Issues of concern raised as Recognized Environmental Conditions in the Phase I ESAs were addressed during this Phase II ESA and the following conclusions are provided:

7.1 Soil Vapor Intrusion Investigation

The Soil Vapor Intrusion (SVI) investigation was performed to determine if concerns identified during the prior environmental assessment at the SP have adversely impacted soil vapor quality beneath the SP, and if those impacts are likely to impact the indoor air of SP building tenant spaces, and to determine if mitigation to reduce VOC's from entering the building from the soil vapor intrusion may be necessary.

<u>NYSDOH Regulatory Guidelines</u>
At the time of this assessment, the site buildings were not heated and the buildings were substantially damaged with many windows broken and large air gaps in walls and doors, allowing outside air to flow through building areas. As a result of the building condition, Alpine determined that indoor air sampling could not be performed in a way that would allow for a valid comparison

to the New York State Department of Health (NYSDOH) vapor intrusion study regulatory guidelines. In an effort to make some determination relative to the threat of vapor intrusion into future restored building areas, Alpine did perform sub-slab soil gas sampling in representative lower level building areas. Since indoor air samples were not collected, comparison to NYSDOH decision matrices for the eight listed VOCs could not be performed. Alternatively, soil gas results were compared to US EP Vapor Intrusion Screening Levels for sub slab and near slab soil gas for residential use.

EPA Vapor Intrusion Screening Levels (VISL)

Multiple VOC compounds were detected in the sub-slab soil gas samples, with most of the detected VOCs occurring below the target screening level. The following chemicals were present in sub-slab soil gas, in excess of the EPA VISL target concentrations for soil gas.

Building 1: No VOCs were detected above the target screening levels in the sub-slab soil gas in this building.
Building 4: Chloroform was detected at concentrations above both the residential and commercial target screening levels. Ethlybenzene was detected above the residential target screening level. This was the only building area where a commercial screening level was also exceeded.
Building 5: Ethlybenzene was detected above the residential target screening level.
Building 6: Ethlybenzene was detected above the residential target screening level.
Building 7: Shallow groundwater immediately beneath the building slab prevented collection of soil gas samples.
Building 8: Shallow groundwater immediately beneath the building slab prevented collection of valid soil gas samples.
Building 9: Benzene, ethylbenzene and carbon tetrachloride were detected above the residential target screening level.
Building 10: Benzene, 1,3-butadiene, ethylbenzene and p/m xylene were detected above the residential target screening level.
Building 11: Benzene, ethylbenzene and p/m xylene were detected above the residential target screening level.

Sub slab soil gas test results from Building 1 suggest residential use indoor air screening levels will not be exceeded in the building. Sub slab soil gas test results from Building 4, 5, 6, 9, 10, and 11 suggest vapor intrusion is likely to occur. Vapor mitigation in these buildings is likely necessary dependent on building usage (except Building 4). An engineered sub-slab depressurization system could be designed and installed during the building renovation process to ensure that vapor intrusion is minimized in each of the buildings with soil gas exceedances of the target screening levels.

Buildings 7 and 8 should be assumed to exceed the target screening level for VOCs in soil gas and treated accordingly when renovations occur. Additional considerations for shallow groundwater should be considered when planning renovations and vapor mitigation for these buildings as sub slab depressurization, the most common vapor mitigation technique, is incompatible with a near slab water table. Should the groundwater below these floor slabs be lowered, testing may be an option to further evaluate the potential for vapor intrusion in these two buildings.

7.2 Soil and Groundwater Quality Investigation

Analysis of some site soil samples indicated the presence of volatile organic compounds and semi-volatile organic compounds, most petroleum in nature, in multiple locations on the SP.

The following impacts to soil and groundwater quality are discussed by the area of the SP where the impacts were identified:

7.2.1 Building 1 Area: A #6 heating oil storage tank was identified along the southwest side of Building 1 (Figure 3). Oily contamination which appeared to be #6-heating fuel oil was observed in test borings and in monitoring wells MW-1 and MW-2 along the western or downgradient side of this tank as well as test boring/monitoring well MW-20, at the northeastern corner of this building. Free phase oil was observed in borings B-1 and B-2 and in excavations when this tank was removed. This condition was reported to the New York State Department of Environmental Conservation (NYSDEC) at the time of discovery and was assigned NYSDEC petroleum spill ID #2104385. The NYSDEC was present during the tank removal and indicated that the presence of free phase product (free oil in the soil and floating on the groundwater) is a condition that will require remedial action to, at the very least, remove the presence of the free phase product from the spill area. Additional exploration will be necessary in this area of the site to determine the size of the impacted area, and determine the extent of remedial actions, including the recovery of free phase oil from the ground, that will be necessary to meet NYSDEC cleanup objectives and close this spill.

7.2.2 Fill Area North End of SP: A series of test pits were excavated in the northern end of the SP where fill was reportedly placed on the SP during historic site ownership. Soil was screened in these test pits and samples were submitted to a testing laboratory from test pits where evidence of petroleum or chemical impacts appeared evident through field screening. Soil samples were submitted from test pits TP-1, TP-9 and TP-11. No contaminants exceeding NYSDEC soil cleanup standards were identified in the soil sample analyzed from test pit TP-9. Test pits TP-1 and TP-11 are adjacent in this area and both were found to be impacted by odorous and oily contaminated soil conditions, generally below six feet of depth. Laboratory analysis of soil samples identified the presence of volatile organic compounds in this test pit area above cleanup standards for acetone, MEK and Toluene, PCBs, and heavy metals (barium, cadmium, chromium, and lead). Groundwater monitoring well MW-11 was placed in the vicinity of test pit TP-1 and the water sample was found to exceed NYSDEC groundwater quality standards for Bis-(2-ethylhexyl)Phthalate, a semi-volatile organic compound. It appears that contaminated soil, or some source of waste that has contaminated the soil in this area, was buried in this portion of the fill area and has contaminated the deep soils to levels that are likely to require mitigative measures. This condition is also a reportable spill and must be reported to NYSDEC as a spill separate from the underground storage tank spill on the south end of the site. Additional sampling will be necessary to fully delineate the depth and aerial extent of this contamination and determine how the waste can be properly remediated. It is likely that the impacted materials will have to be excavated, characterized for disposal, and transported to a licensed waste disposal facility. If some source of leaking contaminant is discovered (examples are buried waste drums or transformers etc.), the source or sources must be identified and similarly contained and disposed.

7.2.3 Test Boring B-8 Area: Soil boring B-8 and Monitoring well MW-8 were placed along the west side of Buildings 6 and 7. Soil from this boring had oily staining and elevated PID readings, demonstrating concerns for the presence of volatile and semi-volatile organic petroleum or other similar contaminants. The sample was analyzed and concentrations of acetone, chrysene and arsenic were all found to exist in the soil at concentrations above the NYSDEC cleanup standards for these contaminants. Other petroleum related semi-volatile petroleum compounds were also

present at concentrations just below the cleanup standard, indicating the presence of some type of oily petroleum in the soil. This condition demonstrated a third area of the SP where a petroleum spill may have to be reported and investigated to determine if cleanup actions are necessary. Further investigation in this area will be necessary to determine the extent of this impact. If the extent of this impact is found to be more widespread, or soils with contaminants higher in concentration are discovered, a spill cleanup including excavation and disposal of contaminated soil may be required to meet NYSDEC spill cleanup standards.

7.2.4 Test Boring B-4 Area: Soil boring B-4 and monitoring well MW-4, and Boring B-19 and monitoring well MW-19, were installed in the area west and south of Building 4. A chlorinated volatile organic compound known as 1,1,1-trichloroethane (1,1,1-TCA) was detected in both of these wells. The groundwater quality standard for this compound is 5 parts per billion (ppb) and the standard was exceeded at 32 PPB in MW-4, and was present, but below the standard at 0.71 ppb in MW-19. Further investigation of groundwater quality in this area will be necessary to determine if there is an on-site source of this impact, or if the impact may be migrating onto the site from some up gradient off-site source. If an on-site source is found to be represent, some cleanup action may be necessary under NYSDEC regulatory oversight.

7.2.4 Historic Substation:

Sample analysis results for two soil samples collected from 0-1 foot of depth within the former electrical substation concrete enclosure did not indicate the presence of volatile organic compound or PCB contamination above current standards.

7.2.4 Storm Water System:

Soil sample analysis results indicate the presence of low concentrations of VOC's and SVOC compounds in storm drain sediments. Minor exceedances of some SVOC compounds were identified in the storm drain sediments. Low concentrations of PCB's and heavy metals, below cleanup standards, were also present in these sediment samples. There was no visual or odorous evidence of contamination in these sediments.

Stormwater in the large holding tank was free of VOC and SVOC contaminants and levels of VOC contamination, substantially below groundwater quality standards, were detected in the DR-1 storm drain. None of these impacts suggest that the storm drain system is an ongoing source of site soil or groundwater contamination. Maintenance of these drains including removal and disposal of accumulated sediments, would serve to remove these remnant contaminants from the SP.

All floor drains in site buildings should be cleaned of any residual waste that may be present in the drains and drain piping, and all drains must be either re-routed to appropriate and approved discharge locations (i.e. municipal sanitary sewer system) or abandoned by filling with concrete.

7.2.5 General Site Conditions:

This investigation was performed to assess specific areas of the SP where Recognized Environmental Conditions (RECs) were identified during the Phase I ESA, as well as to perform an overall screening of representative site areas to determine if there was evidence of typical commercial and industrial petroleum and chemical contaminants. The assessment identified contaminant impacts in multiple areas as noted in these conclusions. Further assessment would

be necessary to fully delineate the impacts in the areas identified. Because of the large scale and complexity of the property, and because of the extensive industrial history of use, there is some potential for localized impacts to areas between sampling points. If contaminated soil, groundwater, or subsurface tanks or structures impacted with contaminants are encountered during construction activities, it may be necessary to perform further focused assessments in these areas and to address localized conditions not meeting regulatory program requirements.

The two underground storage tanks identified, and the spill associated with the 20,000-gallon 6-oil tank must be properly registered and fully closed through the NYSDEC petroleum bulk storage program and the spill must be addressed and mitigated to the satisfaction of NYSDEC. This process has been initiated with the removal and initial registration of both tanks by the site owner, and remedial actions for the spill have been initiated at this time. This process is ongoing at the time of this report and these actions are to be overseen and documented by Alpine through a separate UST and petroleum spill closure report.

Certification

This report is certified to, and is intended for the sole and exclusive use of representatives of The BBL Construction Services LLC and BBL Barnet LLC, and their assigns, and may not be used or relied upon by others unless stated in writing. The findings of the report are limited to those specifically expressed in the report.

Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to Alpine.

Limitations

Our findings and conclusions are based on information obtained from on-site field exploration and analytical services performed under the contract in the location and depths the sample(s) were obtained. This Limited Site Investigation was performed in accordance with the Scope of Services agreed with BBL Construction Services LLC and BBL Barnet LLC. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the Investigation Parcel as expanded investigations are performed.

Alpine's services were performed in a manner consistent with generally accepted practices of environmental consulting services undertaken for a Limited Site Investigation for the property location and based on readily available information about the property. Alpine makes no warranty, expressed or implied, regarding the findings, conclusions or recommendations and Alpine does not warrant third party information such as testing laboratories. Alpine's and our subcontractor's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made. Specifically, Alpine does not and cannot represent that the site contains no hazardous material, oil, or other latent condition beyond that observed by Alpine during its study.

Reasonable care was used in identifying and interpreting applicable codes and regulations necessary to execute our scope of work. These codes and regulations are subject to various, and possibly contradictory, interpretations. Interpretations and compliance with codes and regulations by other parties is beyond our control.

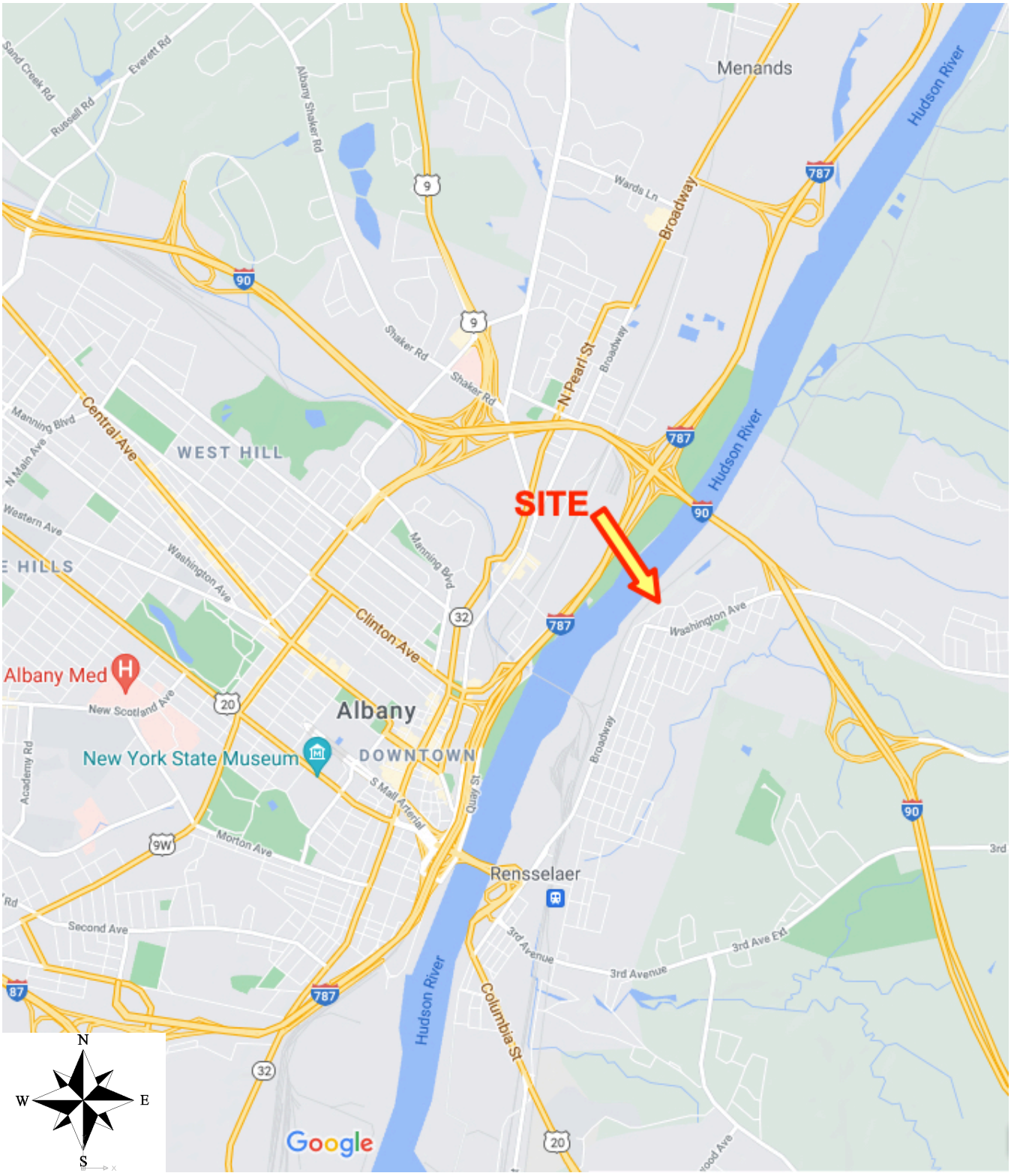
Closing

This Phase II Environmental Site Assessment was completed by a Qualified Environmental Professional as defined in The New York State Codes of Rules and Regulations (6 NYCRR) Part 375, which regulates the NYS Environmental Remediation Programs. The investigation was performed to address recognized environmental conditions and concerns raised during referenced prior Phase I Environmental Site Assessment conducted by Alpine, as referenced within the report.

Prepared by:

Kim L. Baines
Alpine Environmental Services, Inc.

FIGURES



Project: Barnet Mill Phase II ESA
DRAWING DATE SEPTEMBER, 2021
Project Number: 21-26694-E

FIGURE – 1 SITE LOCATION

Alpine Inc.
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FIGURE – 2 GPR Survey Map

(ATTACHED)

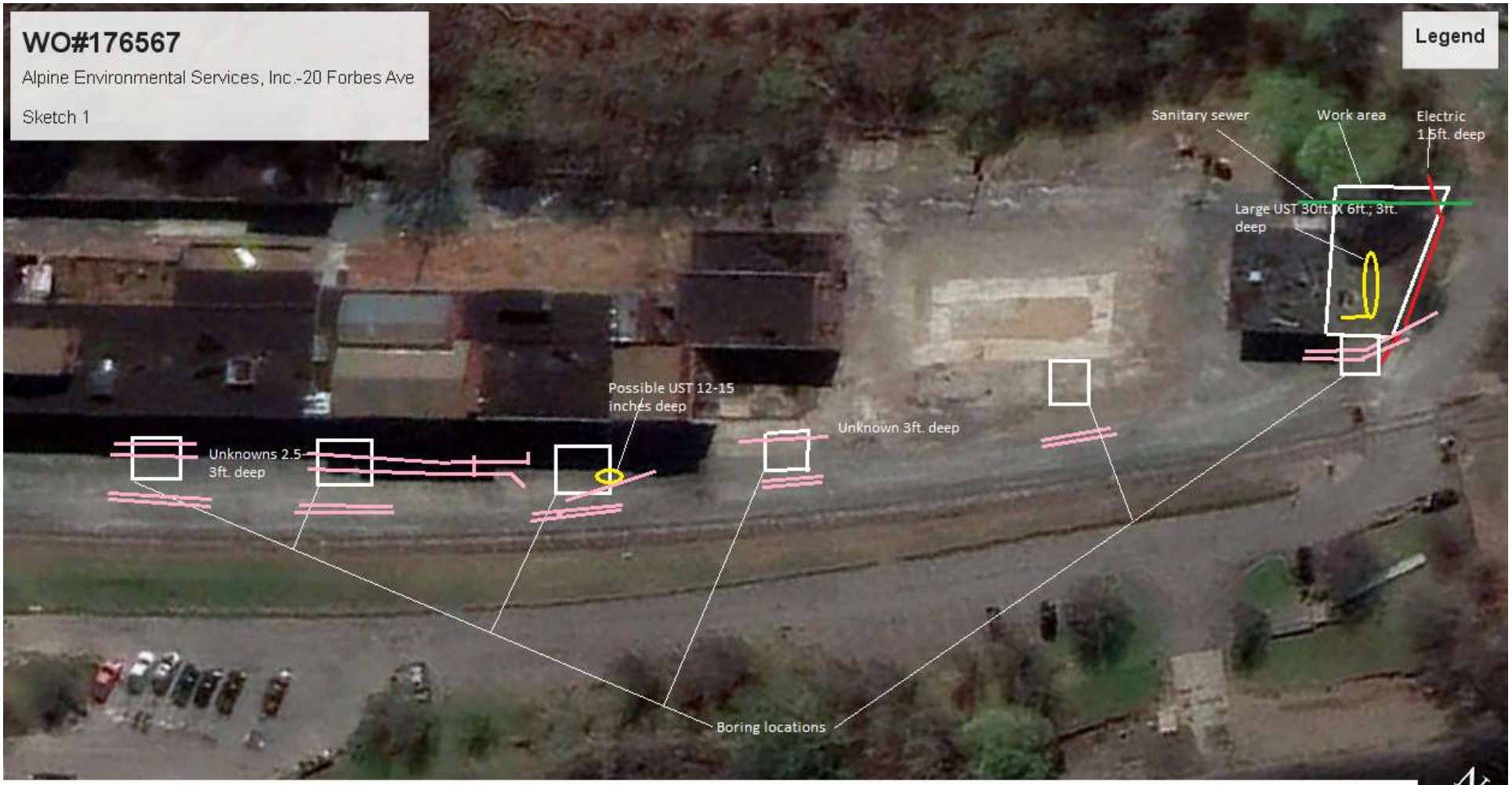
Project: Barnet Mill Phase II ESA
DRAWING DATE SEPTEMBER, 2021
Project Number: 21-26694-E

Alpine Inc.
ENVIRONMENTAL SERVICES

WO#176567

Alpine Environmental Services, Inc.-20 Forbes Ave

Sketch 1

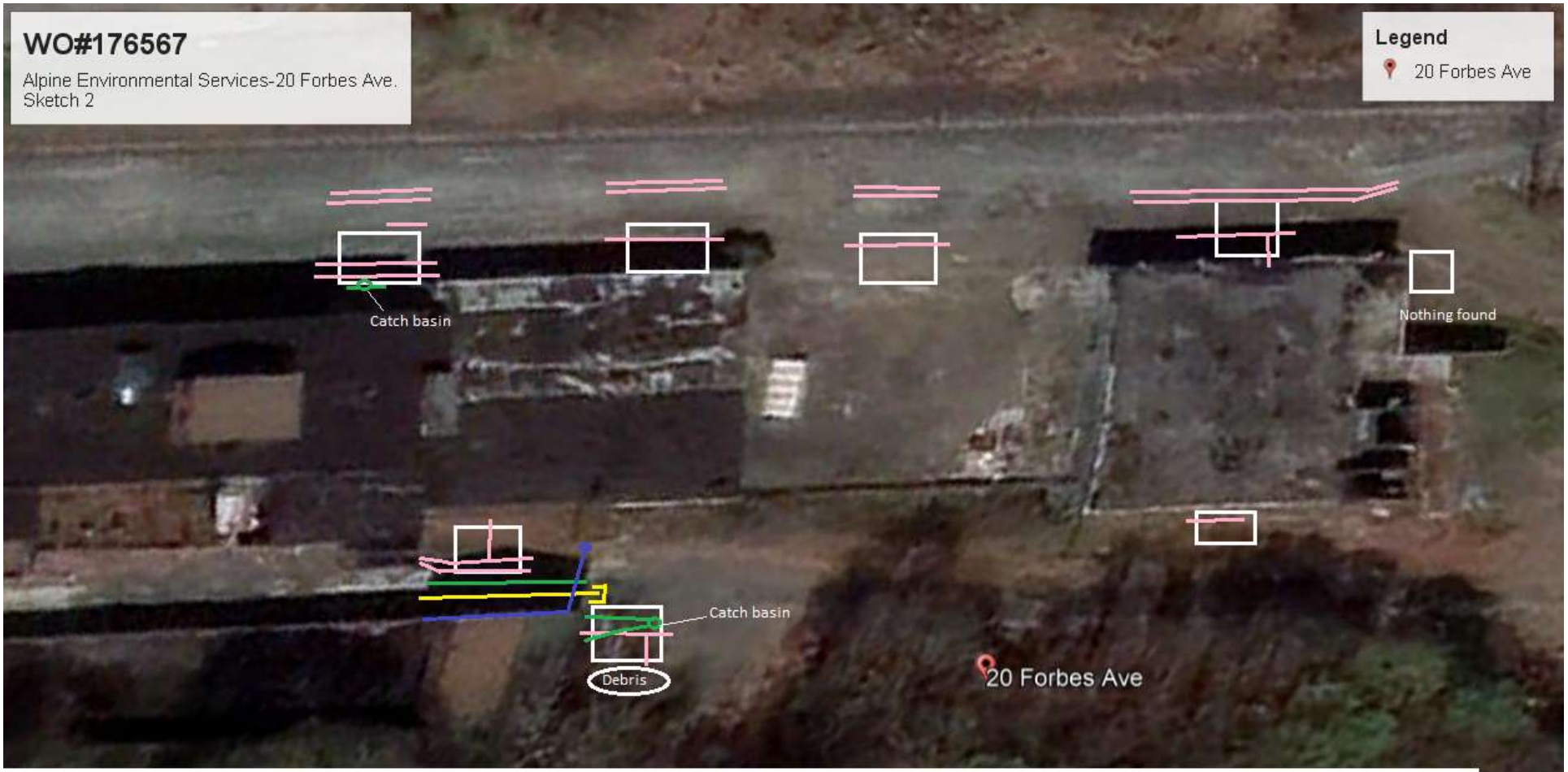


Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.

This is NOT to-scale

888-858-9830 / www.BHUG.com

BLOOD HOUND
Underground Utility Locators



Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.

This is NOT to-scale

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BLOOD HOUND
Underground Utility Locators

WO#176567

Alpine Environmental Services-20 Forbes Ave.
Sketch 3

Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.

This is NOT to-scale

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BLOOD HOUND
Underground Utility Locators

Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.

This is NOT to-scale

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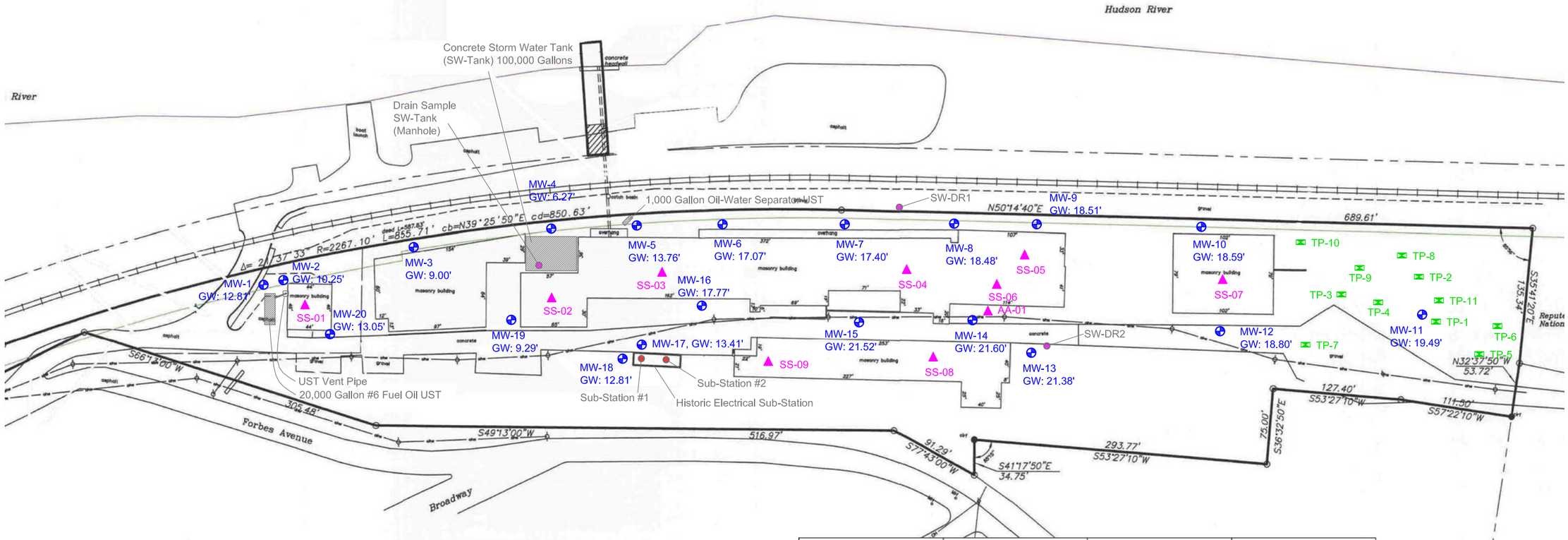
BLOOD HOUND
Underground Utility Locators

FIGURE – 3 SAMPLING LOCATIONS

(ATTACHED)

Project: Barnet Mill Phase II ESA
DRAWING DATE SEPTEMBER, 2021
Project Number: 21-26694-E

Alpine Inc.
ENVIRONMENTAL SERVICES



LEGEND:

- MONITORING WELL LOCATION AND NUMBER
- SOIL GAS SAMPLE LOCATION AND NUMBER
- TEST PIT LOCATION AND NUMBER
- SOIL SAMPLE LOCATION
- DRAIN SAMPLE LOCATION

Monitoring Well ID	Top of PVC Elevation	Water Depth (8/26/21)	Groundwater Elevation
MW-1	23.87	11.06	12.81
MW-2	23.30	13.05	10.25
MW-3	21.40	12.40	9.00
MW-4	20.18	13.91	6.27
MW-5	20.20	6.44	13.76
MW-6	19.87	2.80	17.07
MW-7	19.65	2.25	17.40
MW-8	19.74	1.26	18.48
MW-9	20.30	1.73	18.57
Mw-10	21.93	3.34	18.59
Mw-11	35.39	15.90	19.49
MW-12	34.65	15.85	18.80
MW-13	33.77	12.39	21.38
MW-14	34.52	12.92	21.60
MW-15	35.75	14.23	21.52
MW-16	27.94	10.17	17.77
MW-17	27.16	13.75	13.41
MW-18	27.16	14.35	12.81
MW-19	21.90	12.61	9.29
MW-20	24.32	11.27	13.05

Alpine Inc. ENVIRONMENTAL SERVICES

DATE: September 2021

Barnet Mills
20 Forbes Avenue
Rensselaer, New York

DESCRIPTION:	DATE:
DRAFT	September 10, 2021

PROJECT NO: 21-26694-E

SHEET NO:

Figure 3

SHEET TITLE:	SAMPLING LOCATIONS		
DRAWN BY:	BG	CHECKED BY:	MS

FIGURE – 4 GROUNDWATER ELEVATION CONTOUR MAP

(ATTACHED)

Project: Barnet Mill Phase II ESA
DRAWING DATE SEPTEMBER, 2021
Project Number: 21-26694-E

Alpine Inc.
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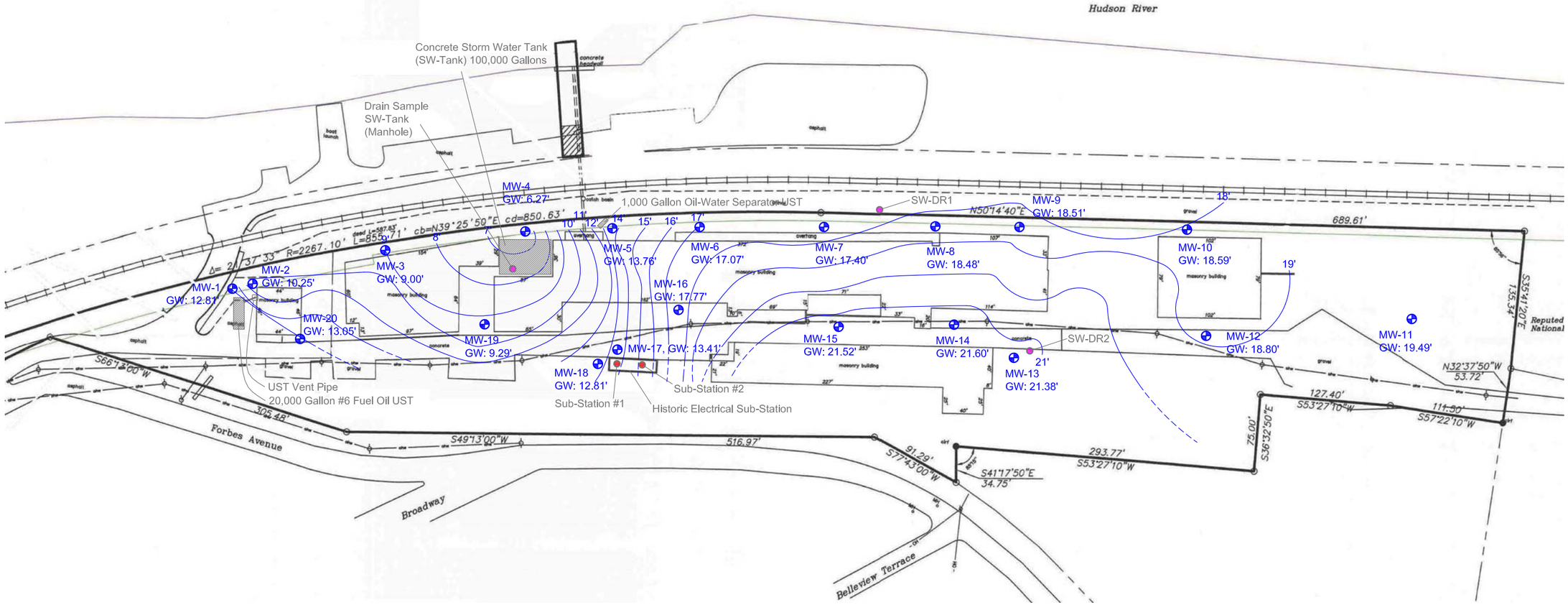

LEGEND:

- GROUNDWATER ELEVATION CONTOUR
- MONITORING WELL LOCATION AND NUMBER
- SOIL SAMPLE LOCATION
- DRAIN SAMPLE LOCATION

Alpine Inc. ENVIRONMENTAL SERVICES

DATE:
September 2021

Barnet Mills
20 Forbes Avenue
Rensselaer, New York

DESCRIPTION:	DATE:
DRAFT	September 10, 2021

PROJECT NO: 21-26694-E

SHEET NO:

Figure 4

SHEET TITLE:	GROUND WATER ELEVATION CONTOURS			
DRAWN BY:	BG	CHECKED BY:	MS	

FIGURE – 5 GROUNDWATER SAMPLE RESULTS

(ATTACHED)

Project: Barnet Mill Phase II ESA
DRAWING DATE SEPTEMBER, 2021
Project Number: 21-26694-E

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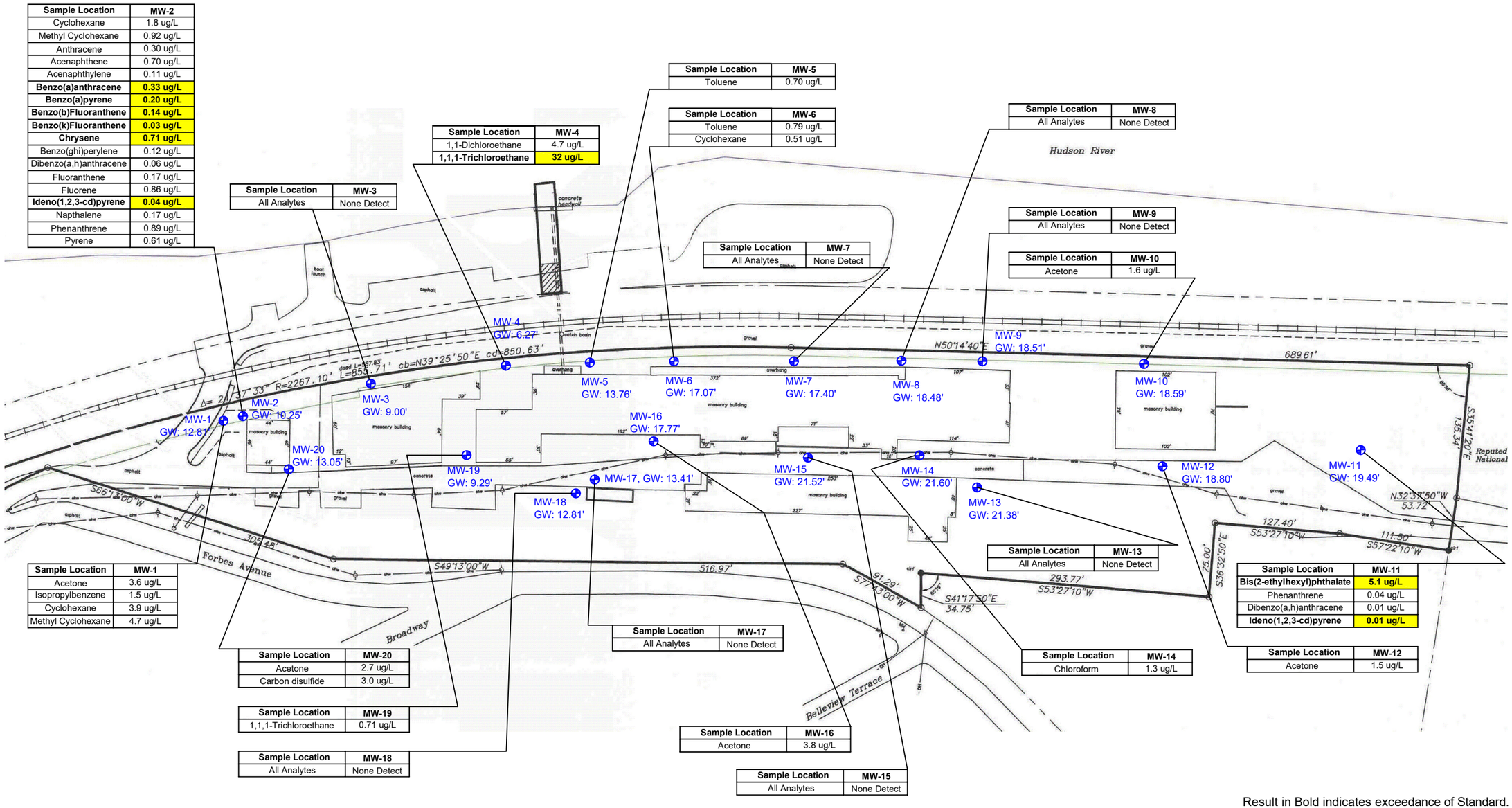

Sample Location	MW-2
Cyclohexane	1.8 ug/L
Methyl Cyclohexane	0.92 ug/L
Anthracene	0.30 ug/L
Acenaphthene	0.70 ug/L
Acenaphthylene	0.11 ug/L
Benzo(a)anthracene	**0.33 ug/L**
Benzo(a)pyrene	**0.20 ug/L**
Benzo(b)Fluoranthene	**0.14 ug/L**
Benzo(k)Fluoranthene	**0.03 ug/L**
Chrysene	**0.71 ug/L**
Benzo(ghi)perylene	0.12 ug/L
Dibenzo(a,h)anthracene	0.06 ug/L
Fluoranthene	0.17 ug/L
Fluorene	0.86 ug/L
Ideno(1,2,3-cd)pyrene	**0.04 ug/L**
Napthalene	0.17 ug/L
Phenanthrene	0.89 ug/L
Pyrene	0.61 ug/L

Sample Location	MW-3
All Analytes	None Detect

Sample Location	MW-4
1,1-Dichloroethane	4.7 ug/L
1,1,1-Trichloroethane	**32 ug/L**

Sample Location	MW-5
Toluene	0.70 ug/L

Sample Location	MW-6
Toluene	0.79 ug/L
Cyclohexane	0.51 ug/L

Sample Location	MW-7
All Analytes	None Detect

Sample Location	MW-8
All Analytes	None Detect

Sample Location	MW-9
All Analytes	None Detect

Sample Location	MW-10
Acetone	1.6 ug/L

Sample Location	MW-1
Acetone	3.6 ug/L
Isopropylbenzene	1.5 ug/L
Cyclohexane	3.9 ug/L
Methyl Cyclohexane	4.7 ug/L

Sample Location	MW-20
Acetone	2.7 ug/L
Carbon disulfide	3.0 ug/L

Sample Location	MW-19
1,1,1-Trichloroethane	0.71 ug/L

Sample Location	MW-18
All Analytes	None Detect

Sample Location	MW-17
All Analytes	None Detect

Sample Location	MW-16
Acetone	3.8 ug/L

Sample Location	MW-15
All Analytes	None Detect

Sample Location	MW-13
All Analytes	None Detect

Sample Location	MW-14
Chloroform	1.3 ug/L

Sample Location	MW-11
Bis(2-ethylhexyl)phthalate	**5.1 ug/L**
Phenanthrene	0.04 ug/L
Dibenzo(a,h)anthracene	0.01 ug/L
Ideno(1,2,3-cd)pyrene	**0.01 ug/L**

Sample Location	MW-12
Acetone	1.5 ug/L

Result in Bold indicates exceedance of Standard.

ENVIRONMENTAL SERVICES

DATE: September 2021

Barnet Mills
20 Forbes Avenue
Rensselaer, New York

DESCRIPTION:	FINAL
DATE:	October 1, 2021

PROJECT NO: 21-26694-E

SHEET NO:

Figure 5

SHEET TITLE:	GROUND WATER SAMPLE RESULTS		
DRAWN BY:	BG	CHECKED BY:	MS

FIGURE – 6 SOIL SAMPLE RESULTS

(ATTACHED)

Project: Barnet Mill Phase II ESA
DRAWING DATE SEPTEMBER, 2021
Project Number: 21-26694-E

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Result in Bold indicates exceedance of Standard.

Sample Location	B-1 (10-15 ft)
VOC's	
Acetone	0.020 ug/kg
Benzene	0.00073 ug/kg
n-Butylbenzene	0.037 ug/kg
sec-Butylbenzene	0.056 ug/kg
tert-Butylbenzene	0.0088 ug/kg
1,2-Dichlorobenzene	0.0013 ug/kg
Ethylbenzene	0.0035 ug/kg
Isopropylbenzene	0.029 ug/kg
Naphthalene	0.070 ug/kg
p-Isopropyltoluene	0.013 ug/kg
n-Propylbenzene	0.018 ug/kg
Toluene	0.0013 ug/kg
1,3,5-Trimethylbenzene	0.033 ug/kg
1,2,4-Trimethylbenzene	0.160 ug/kg
p/m-Xylenes	0.0054 ug/kg
o-Xylene	0.0014 ug/kg
Cyclohexane	0.0077 ug/kg
Methylcyclohexane	0.035 ug/kg
Semi-VOC's	
Anthracene	0.120 ug/kg
Acenaphthene	0.140 ug/kg
Acenaphthylene	0.035 ug/kg
Benzo(a)anthracene	0.160 ug/kg
Benzo(a)pyrene	0.061 ug/kg
Benzo(b)Fluoranthene	0.043 ug/kg
Chrysene	0.240 ug/kg
Benzo(ghi)perylene	0.042 ug/kg
Fluoranthene	0.055 ug/kg
Fluorene	0.150 ug/kg
Phenanthrene	0.730 ug/kg
Pyrene	0.210 ug/kg
Metals	
Arsenic	0.00558 mg/kg
Barium	0.0266 mg/kg
Cadmium	0.000212 mg/kg
Chromium	0.0112 mg/kg
Lead	0.00848 mg/kg
Selenium	0.000655 mg/kg

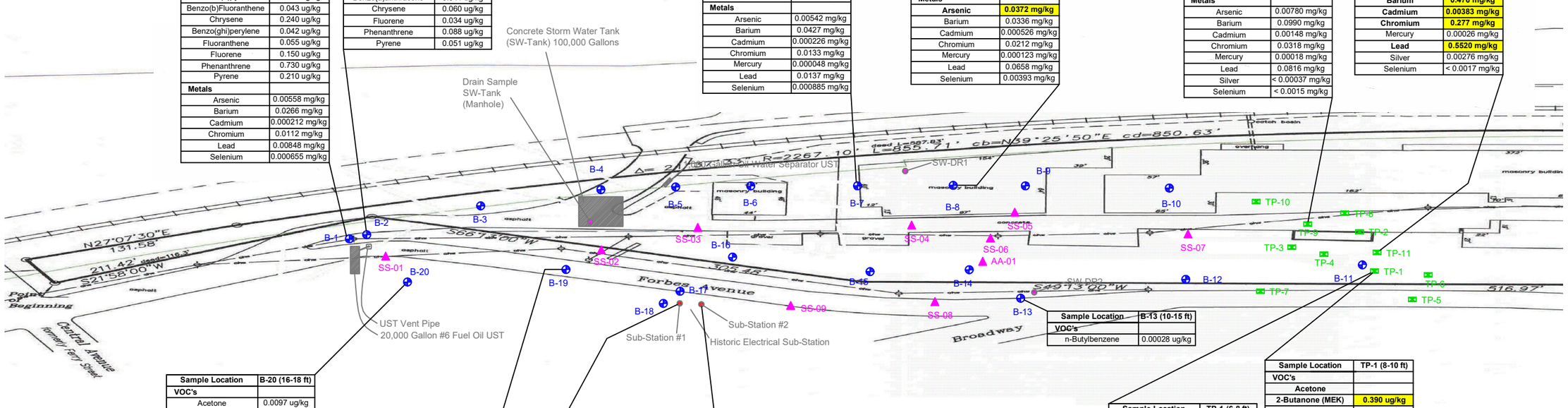
Sample Location	B-2 (10-15 ft)
VOC's	
Acetone	0.020 ug/kg
n-Butylbenzene	0.0031 ug/kg
sec-Butylbenzene	0.0050 ug/kg
tert-Butylbenzene	0.00073 ug/kg
1,2-Dichlorobenzene	0.00016 ug/kg
Isopropylbenzene	0.00080 ug/kg
Naphthalene	0.0019 ug/kg
p-Isopropyltoluene	0.00025 ug/kg
1,2,4-Trimethylbenzene	0.00040 ug/kg
Cyclohexane	0.0031 ug/kg
Methylcyclohexane	0.012 ug/kg
Semi-VOC's	
Benzo(a)anthracene	0.041 ug/kg
Chrysene	0.060 ug/kg
Fluorene	0.034 ug/kg
Phenanthrene	0.088 ug/kg
Pyrene	0.051 ug/kg

Sample Location	B-7 (4-5 ft)
VOC's	
Acetone	0.034 ug/kg
n-Butylbenzene	0.0061 ug/kg
sec-Butylbenzene	0.016 ug/kg
tert-Butylbenzene	0.0022 ug/kg
1,2-Dichlorobenzene	0.0010 ug/kg
1,3-Dichlorobenzene	0.00022 ug/kg
1,4-Dichlorobenzene	0.00035 ug/kg
Ethylbenzene	0.00031 ug/kg
Isopropylbenzene	0.0020 ug/kg
Naphthalene	0.0064 ug/kg
p-Isopropyltoluene	0.00028 ug/kg
Toluene	0.00087 ug/kg
1,3,5-Trimethylbenzene	0.00057 ug/kg
1,2,4-Trimethylbenzene	0.0030 ug/kg
o-Xylene	0.00054 ug/kg
Cyclohexane	0.0006 ug/kg
Methylcyclohexane	0.0085 ug/kg
Semi-VOC's	
Anthracene	0.061 ug/kg
Acenaphthene	0.070 ug/kg
Benzo(a)anthracene	0.120 ug/kg
Benzo(a)pyrene	0.054 ug/kg
Benzo(b)Fluoranthene	0.037 ug/kg
Chrysene	0.250 ug/kg
Benzo(ghi)perylene	0.028 ug/kg
Fluoranthene	0.047 ug/kg
Fluorene	0.130 ug/kg
Ideno(1,2,3-cd)pyrene	0.310 ug/kg
Phenanthrene	0.150 ug/kg
Pyrene	0.160 ug/kg
Metals	
Arsenic	0.00542 mg/kg
Barium	0.0427 mg/kg
Cadmium	0.000226 mg/kg
Chromium	0.0133 mg/kg
Mercury	0.000048 mg/kg
Lead	0.0137 mg/kg
Selenium	0.000885 mg/kg

Sample Location	B-8 (4-5 ft)
VOC's	
Acetone	**0.077 ug/kg**
sec-Butylbenzene	0.0020 ug/kg
tert-Butylbenzene	0.00079 ug/kg
1,1-Dichloroethane	0.00040 ug/kg
Isopropylbenzene	0.00027 ug/kg
Naphthalene	0.014 ug/kg
1,3,5-Trimethylbenzene	0.00052 ug/kg
1,2,4-Trimethylbenzene	0.00076 ug/kg
Cyclohexane	0.00072 ug/kg
Methylcyclohexane	0.0024 ug/kg
Semi-VOC's	
Anthracene	0.430 ug/kg
Acenaphthene	0.330 ug/kg
Acenaphthylene	0.120 ug/kg
Benzo(a)anthracene	0.780 ug/kg
Benzo(a)pyrene	0.430 ug/kg
Benzo(b)Fluoranthene	0.880 ug/kg
Benzo(k)Fluoranthene	0.220 ug/kg
Chrysene	**1.300 ug/kg**
Benzo(ghi)perylene	0.270 ug/kg
Dibenzo(a,h)anthracene	0.100 ug/kg
Fluoranthene	1.200 ug/kg
Ideno(1,2,3-cd)pyrene	0.320 ug/kg
Phenanthrene	1.000 ug/kg
Pyrene	1.300 ug/kg
PCB's	
Arochlor 1268	0.0158 ug/kg
Total PCB's	0.0158 ug/kg
Metals	
Arsenic	**0.0372 mg/kg**
Barium	0.0336 mg/kg
Cadmium	0.000526 mg/kg
Chromium	0.0212 mg/kg
Mercury	0.000123 mg/kg
Lead	0.0658 mg/kg
Selenium	0.00393 mg/kg

Sample Location	TP-9 (8-9 ft)
VOC's	
Chloroform	0.00021 ug/kg
Toluene	0.0014 ug/kg
Semi-VOC's	
Anthracene	0.048 ug/kg
Benzo(a)anthracene	0.120 ug/kg
Benzo(a)pyrene	0.089 ug/kg
Benzo(b)Fluoranthene	0.120 ug/kg
Benzo(k)Fluoranthene	0.049 ug/kg
Chrysene	0.120 ug/kg
Benzo(ghi)perylene	0.052 ug/kg
Fluoranthene	0.240 ug/kg
Fluorene	0.019 ug/kg
Ideno(1,2,3-cd)pyrene	0.056 ug/kg
Phenanthrene	0.180 ug/kg
Pyrene	0.190 ug/kg
PCB's	
Arochlor 1268	0.0783 mg/kg
Total PCB's	0.0783 mg/kg
Metals	
Arsenic	0.00780 mg/kg
Barium	0.0990 mg/kg
Cadmium	0.00148 mg/kg
Chromium	0.0318 mg/kg
Mercury	0.00018 mg/kg
Lead	0.0816 mg/kg
Silver	< 0.00037 mg/kg
Selenium	< 0.0015 mg/kg

Sample Location	TP-11 (10 ft)
VOC's	
Benzene	0.00028 ug/kg
Chloroform	0.00019 ug/kg
Toluene	0.0021 ug/kg
Semi-VOC's	
Benzo(a)anthracene	0.044 ug/kg
Benzo(b)Fluoranthene	0.061 ug/kg
Benzo(k)Fluoranthene	0.040 ug/kg
Chrysene	0.065 ug/kg
Benzo(ghi)perylene	0.040 ug/kg
Fluoranthene	0.064 ug/kg
Ideno(1,2,3-cd)pyrene	0.036 ug/kg
Phenanthrene	0.078 ug/kg
Pyrene	0.057 ug/kg
PCB's	
Arochlor 1268	**1.830 mg/kg**
Total PCB's	**1.830 mg/kg**
Metals	
Arsenic	0.0145 mg/kg
Barium	**0.476 mg/kg**
Cadmium	**0.00383 mg/kg**
Chromium	**0.277 mg/kg**
Mercury	0.00026 mg/kg
Lead	**0.5520 mg/kg**
Silver	0.00276 mg/kg
Selenium	< 0.0017 mg/kg



Sample Location	B-20 (16-18 ft)
VOC's	
Acetone	0.0097 ug/kg
sec-Butylbenzene	0.00033 ug/kg
tert-Butylbenzene	0.00058 ug/kg
Chlorobenzene	0.00034 ug/kg
Naphthalene	0.0018 ug/kg
1,2,4-Trimethylbenzene	0.00044 ug/kg
Methylcyclohexane	0.00071 ug/kg
Semi-VOC's	
Benzo(a)anthracene	0.076 ug/kg
Chrysene	0.096 ug/kg
Pyrene	0.099 ug/kg

Sample Location	B-19 (15-20 ft)
VOC's	
Acetone	0.013 ug/kg
sec-Butylbenzene	0.00040 ug/kg
Ethylbenzene	0.00037 ug/kg
Isopropylbenzene	0.00014 ug/kg
n-Propylbenzene	0.00022 ug/kg
1,2,4-Trimethylbenzene	0.00034 ug/kg
Methylcyclohexane	0.00093 ug/kg
Metals	
Arsenic	0.00618 mg/kg
Barium	0.0267 mg/kg
Cadmium	0.000245 mg/kg
Chromium	0.0134 mg/kg
Lead	0.00854 mg/kg
Silver	0.000127 mg/kg
Selenium	0.000616 mg/kg

Sample Location	SubSta-1
VOC's	
Trichloroethene	0.0010 ug/kg

Sample Location	SubSta-2
VOC's	
Trichloroethene	0.00026 ug/kg

Sample Location	B-13 (10-15 ft)
VOC's	
n-Butylbenzene	0.00028 ug/kg

Sample Location	TP-1 (6-8 ft)
VOC's	
Acetone	**0.440 ug/kg**
2-Butanone (MEK)	**0.190 ug/kg**
Carbon Disulfide	0.0088 ug/kg
Chloroform	0.011 ug/kg
Methyl Acetate	0.330 ug/kg
Toluene	0.100 ug/kg
Semi-VOC's	
Chrysene	0.019 ug/kg
PCB's	
Arochlor 1268	0.748 mg/kg
Total PCB's	0.748 mg/kg
Metals	
Arsenic	0.00652 mg/kg
Barium	0.0829 mg/kg
Cadmium	0.00149 mg/kg
Chromium	**0.0863 mg/kg**
Mercury	0.00022 mg/kg
Lead	0.0753 mg/kg
Silver	0.00053 mg/kg
Selenium	< 0.0016 mg/kg

Sample Location	TP-1 (8-10 ft)
VOC's	
Acetone	
2-Butanone (MEK)	**0.390 ug/kg**
Carbon Disulfide	0.010 ug/kg
Chloroform	0.012 ug/kg
Methyl Acetate	0.530 ug/kg
Toluene	**1.700 ug/kg**
Semi-VOC's	
Benzo(a)anthracene	0.031 ug/kg
Benzo(b)Fluoranthene	0.062 ug/kg
Chrysene	0.110 ug/kg
Benzo(ghi)perylene	0.026 ug/kg
Fluoranthene	0.044 ug/kg
Phenanthrene	0.043 ug/kg
Pyrene	0.045 ug/kg
PCB's	
Arochlor 1268	**1.300 mg/kg**
Total PCB's	**1.300 mg/kg**
Metals	
Arsenic	0.00736 mg/kg
Barium	0.1230 mg/kg
Cadmium	0.00156 mg/kg
Chromium	**0.1050 mg/kg**
Mercury	0.00045 mg/kg
Lead	0.1580 mg/kg
Silver	0.00081 mg/kg
Selenium	< 0.0017 mg/kg

Alpine Inc.
ENVIRONMENTAL SERVICES

DATE: September 2021

Barnet Mills
20 Forbes Avenue
Rensselaer, New York

DESCRIPTION:	DATE:
FINAL	October 1, 2021

PROJECT NO: 21-26694-E

SHEET NO:

Figure 6

SHEET TITLE:	SOIL SAMPLE RESULTS		
DRAWN BY:	BG	CHECKED BY:	MS

APPENDICES

Appendix A
EPA Vapor Intrusion Screening Levels

Commercial Vapor Intrusion Screening Levels (VISL)

/HTML"User's Guide Variable References

/HTML"Corresponding Equations

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? (C_{vp} > $C_{i,a,t}$Target?)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? (C_{hc} > $C_{i,a,t}$Target?)	Target Indoor Air Concentration (TCR=1E-06 or THQ=0.1) MIN($C_{ia,c}$,$C_{ia,nc}$) ($\mu g/m^3$)	Toxicity Basis	Target Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-06 or THQ=0.1) $C_{sg,t}$Target ($\mu g/m^3$)	Target Groundwater Concentration (TCR=1E-06 or THQ=0.1) $C_{gw,t}$Target ($\mu g/L$)	Is Target Groundwater Concentration < MCL? (C_{gw} < MCL?)	Pure Phase Vapor Concentration C_{vp} (25 ℃) ($\mu g/m^3$)	Maximum Groundwater Vapor Concentration C_{hc} ($\mu g/m^3$)	Temperature for Maximum Groundwater Vapor Concentration (℃)	Lower Explosive Limit LEL (% by volume)	LEL Ref	IUR ($\mu g/m^3)^{-1}$	IUR Ref	RfC (mg/m^3)	RfC Ref	Mutagenic Indicator	Carcinogenic VISL TCR=1E-06 $C_{ia,c}$($\mu g/m^3$)	Noncarcinogenic VISL THQ=0.1 $C_{ia,nc}$($\mu g/m^3$)
Acetone	67-64-1	Yes	Yes	Yes	Yes	1.35E+04	NC	4.51E+05	9.46E+06	--	7.25E+08	1.43E+09	2.50E+01	2.50E+00	U	-		3.09E+01	U	No	-	1.35E+04
Benzene	71-43-2	Yes	Yes	Yes	Yes	1.57E+00	CA	5.24E+01	6.93E+00	No (5)	3.98E+08	4.06E+08	2.50E+01	1.20E+00	U	7.80E-06	U	3.00E-02	U	No	1.57E+00	1.31E+01
Benzene, Ethylmethyl	25550-14-5	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		5.59E+07	1.53E+07	2.50E+01	-		-		-		No	-	-
Butadiene, 1,3-	106-99-0	Yes	Yes	Yes	Yes	4.09E-01	CA	1.36E+01	1.36E-01	--	6.14E+09	2.21E+09	2.50E+01	2.00E+00	U	3.00E-05	U	2.00E-03	U	No	4.09E-01	8.76E-01
Butyl Alcohol, t-	75-65-0	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		1.62E+08	3.70E+08	2.50E+01	2.40E+00	U	-		-		No	-	-
Carbon Disulfide	75-15-0	Yes	Yes	Yes	Yes	3.07E+02	NC	1.02E+04	5.21E+02	--	1.47E+09	1.27E+09	2.50E+01	1.30E+00	U	-		7.00E-01	U	No	-	3.07E+02
Carbon Tetrachloride	56-23-5	Yes	Yes	Yes	Yes	2.04E+00	CA	6.81E+01	1.81E+00	Yes (5)	9.51E+08	8.95E+08	2.50E+01	-		6.00E-06	U	1.00E-01	U	No	2.04E+00	4.38E+01
Chlorobenzene	108-90-7	Yes	Yes	Yes	Yes	2.19E+01	NC	7.30E+02	1.72E+02	No (100)	7.26E+07	6.33E+07	2.50E+01	1.30E+00	U	-		5.00E-02	U	No	-	2.19E+01
Chloroform	67-66-3	Yes	Yes	Yes	Yes	5.33E-01	CA	1.78E+01	3.55E+00	Yes (80)	1.26E+09	1.19E+09	2.50E+01	-		2.30E-05	U	9.77E-02	U	No	5.33E-01	4.28E+01
Chloromethane	74-87-3	Yes	Yes	Yes	Yes	3.94E+01	NC	1.31E+03	1.09E+02	--	1.17E+10	1.92E+09	2.50E+01	8.10E+00	U	-		9.00E-02	U	No	-	3.94E+01
Cyclohexane	110-82-7	Yes	Yes	Yes	Yes	2.63E+03	NC	8.76E+04	4.29E+02	--	4.39E+08	3.37E+08	2.50E+01	1.30E+00	U	-		6.00E+00	U	No	-	2.63E+03
Dichlorodifluoromethane	75-71-8	Yes	Yes	Yes	Yes	4.38E+01	NC	1.46E+03	3.12E+00	--	3.15E+10	3.93E+09	2.50E+01	-		-		1.00E-01	U	No	-	4.38E+01
Dichloroethylene, 1,1-	75-35-4	Yes	Yes	Yes	Yes	8.76E+01	NC	2.92E+03	8.21E+01	No (7)	3.13E+09	2.58E+09	2.50E+01	6.50E+00	U	-		2.00E-01	U	No	-	8.76E+01
Dioxane, 1,4-	123-91-1	Yes	Yes	Yes	Yes	2.45E+00	CA	8.18E+01	1.25E+04	--	1.81E+08	1.96E+08	2.50E+01	2.00E+00	U	5.00E-06	U	3.00E-02	U	No	2.45E+00	1.31E+01
Ethanol	64-17-5	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		1.47E+08	2.04E+08	2.50E+01	3.30E+00	U	-		-		No	-	-
Ethylbenzene	100-41-4	Yes	Yes	Yes	Yes	4.91E+00	CA	1.64E+02	1.52E+01	Yes (700)	5.48E+07	5.44E+07	2.50E+01	8.00E-01	U	2.50E-06	U	1.00E+00	U	No	4.91E+00	4.38E+02
Heptane, N-	142-82-5	Yes	Yes	Yes	Yes	1.75E+02	NC	5.84E+03	2.14E+00	--	2.48E+08	2.78E+08	2.50E+01	1.05E+00	U	-		4.00E-01	U	No	-	1.75E+02
Hexachlorobutadiene	87-68-3	Yes	Yes	Yes	Yes	5.57E-01	CA	1.86E+01	1.32E+00	--	3.09E+06	1.35E+06	2.50E+01	2.90E+00	U	2.20E-05	U	-		No	5.57E-01	-
Hexane, N-	110-54-3	Yes	Yes	Yes	Yes	3.07E+02	NC	1.02E+04	4.17E+00	--	7.00E+08	6.99E+08	2.50E+01	1.10E+00	U	-		7.00E-01	U	No	-	3.07E+02
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	9.41E+05	--	3.51E+08	5.19E+08	2.50E+01	1.40E+00	U	-		5.00E+00	U	No	-	2.19E+03
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	Yes	Yes	Yes	Yes	1.31E+03	NC	4.38E+04	2.33E+05	--	1.07E+08	1.07E+08	2.50E+01	1.20E+00	U	-		3.00E+00	U	No	-	1.31E+03
Methylene Chloride	75-09-2	Yes	Yes	Yes	Yes	2.63E+02	NC	8.76E+03	1.98E+03	No (5)	1.99E+09	1.73E+09	2.50E+01	1.30E+01	U	1.00E-08	U	6.00E-01	U	Mut	1.23E+03	2.63E+02
Styrene	100-42-5	Yes	Yes	Yes	Yes	4.38E+02	NC	1.46E+04	3.90E+03	No (100)	3.58E+07	3.49E+07	2.50E+01	9.00E-01	U	-		1.00E+00	U	No	-	4.38E+02
Tetrachloroethylene	127-18-4	Yes	Yes	Yes	Yes	1.75E+01	NC	5.84E+02	2.42E+01	No (5)	1.65E+08	1.49E+08	2.50E+01	-		2.60E-07	U	4.00E-02	U	No	4.72E+01	1.75E+01
Tetrahydrofuran	109-99-9	Yes	Yes	Yes	Yes	8.76E+02	NC	2.92E+04	3.04E+05	--	6.28E+08	2.88E+09	2.50E+01	2.00E+00	U	-		2.00E+00	U	No	-	8.76E+02
Toluene	108-88-3	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	8.07E+03	No (1000)	1.41E+08	1.43E+08	2.50E+01	1.10E+00	U	-		5.00E+00	U	No	-	2.19E+03
Trichloroethane, 1,1,1-	71-55-6	Yes	Yes	Yes	Yes	2.19E+03	NC	7.30E+04	3.11E+03	No (200)	8.90E+08	9.07E+08	2.50E+01	8.00E+00	U	-		5.00E+00	U	No	-	2.19E+03
Trichloroethylene	79-01-6	Yes	Yes	Yes	Yes	8.76E-01	NC	2.92E+01	2.18E+00	Yes (5)	4.88E+08	5.15E+08	2.50E+01	8.00E+00	U	4.10E-06	U	2.00E-03	U	Mut	2.99E+00	8.76E-01
Trichlorofluoromethane	75-69-4	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		5.93E+09	4.36E+09	2.50E+01	-		-		-		No	-	-
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	Yes	Yes	2.63E+01	NC	8.76E+02	1.04E+02	--	1.36E+07	1.44E+07	2.50E+01	9.00E-01	U	-		6.00E-02	U	No	-	2.63E+01
Trimethylbenzene, 1,3,5-	108-67-8	Yes	Yes	Yes	Yes	2.63E+01	NC	8.76E+02	7.33E+01	--	1.60E+07	1.73E+07	2.50E+01	1.00E+00	U	-		6.00E-02	U	No	-	2.63E+01
Trimethylpentane, 2,2,4-	540-84-1	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		3.03E+08	3.03E+08	2.50E+01	9.00E-01	U	-		-		No	-	-
Xylene, o-	95-47-6	Yes	Yes	Yes	Yes	4.38E+01	NC	1.46E+03	2.07E+02	--	3.77E+07	3.77E+07	2.50E+01	9.00E-01	U	-		1.00E-01	U	No	-	4.38E+01
Xylenes	1330-20-7	Yes	Yes	Yes	Yes	4.38E+01	NC	1.46E+03	1.62E+02	Yes (10000)	4.56E+07	2.87E+07	2.50E+01	-		-		1.00E-01	U	No	-	4.38E+01

Resident Vapor Intrusion Screening Levels (VISL)

/HTML"User's Guide Variable References

/HTML"Corresponding Equations

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; D = DWSHA; W = TEF applied; E = RPF applied; U = user provided; G = see RSL User's Guide Section 5; CA = cancer; NC = noncancer.

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? (C_{vp} > $C_{i,a,t}$Target?)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? (C_{hc} > $C_{i,a,t}$Target?)	Target Indoor Air Concentration (TCR=1E-06 or THQ=0.1) MIN($C_{ia,c}$,$C_{ia,nc}$) (µg/m^3)	Toxicity Basis	Target Sub-Slab and Near-source Soil Gas Concentration (TCR=1E-06 or THQ=0.1) $C_{sg,t}$Target (µg/m^3)	Target Groundwater Concentration (TCR=1E-06 or THQ=0.1) $C_{gw,t}$Target (µg/L)	Is Target Groundwater Concentration < MCL? (C_{gw} < MCL?)	Pure Phase Vapor Concentration C_{vp} (25 ºC) (µg/m^3)	Maximum Groundwater Vapor Concentration C_{hc} (µg/m^3)	Temperature for Maximum Groundwater Vapor Concentration (ºC)	Lower Explosive Limit LEL (% by volume)	LEL Ref	IUR (µg/m^3)$^{-1}$	IUR Ref	RfC (mg/m^3)	RfC Ref	Mutagenic Indicator	Carcinogenic VISL TCR=1E-06 $C_{ia,c}$(µg/m^3)	Noncarcinogenic VISL THQ=0.1 $C_{ia,nc}$(µg/m^3)
Acetone	67-64-1	Yes	Yes	Yes	Yes	3.22E+03	NC	1.07E+05	2.25E+06	--	7.25E+08	1.43E+09	2.50E+01	2.50E+00	U	-		3.09E+01	U	No	-	3.22E+03
Benzene	71-43-2	Yes	Yes	Yes	Yes	3.60E-01	CA	1.20E+01	1.59E+00	Yes (5)	3.98E+08	4.06E+08	2.50E+01	1.20E+00	U	7.80E-06	U	3.00E-02	U	No	3.60E-01	3.13E+00
Benzene, Ethylmethyl	25550-14-5	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		5.59E+07	1.53E+07	2.50E+01	-		-		-		No	-	-
Butadiene, 1,3-	106-99-0	Yes	Yes	Yes	Yes	9.36E-02	CA	3.12E+00	3.11E-02	--	6.14E+09	2.21E+09	2.50E+01	2.00E+00	U	3.00E-05	U	2.00E-03	U	No	9.36E-02	2.09E-01
Butyl Alcohol, t-	75-65-0	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		1.62E+08	3.70E+08	2.50E+01	2.40E+00	U	-		-		No	-	-
Carbon Disulfide	75-15-0	Yes	Yes	Yes	Yes	7.30E+01	NC	2.43E+03	1.24E+02	--	1.47E+09	1.27E+09	2.50E+01	1.30E+00	U	-		7.00E-01	U	No	-	7.30E+01
Carbon Tetrachloride	56-23-5	Yes	Yes	Yes	Yes	4.68E-01	CA	1.56E+01	4.15E-01	Yes (5)	9.51E+08	8.95E+08	2.50E+01	-		6.00E-06	U	1.00E-01	U	No	4.68E-01	1.04E+01
Chlorobenzene	108-90-7	Yes	Yes	Yes	Yes	5.21E+00	NC	1.74E+02	4.10E+01	Yes (100)	7.26E+07	6.33E+07	2.50E+01	1.30E+00	U	-		5.00E-02	U	No	-	5.21E+00
Chloroform	67-66-3	Yes	Yes	Yes	Yes	1.22E-01	CA	4.07E+00	8.14E-01	Yes (80)	1.26E+09	1.19E+09	2.50E+01	-		2.30E-05	U	9.77E-02	U	No	1.22E-01	1.02E+01
Chloromethane	74-87-3	Yes	Yes	Yes	Yes	9.39E+00	NC	3.13E+02	2.60E+01	--	1.17E+10	1.92E+09	2.50E+01	8.10E+00	U	-		9.00E-02	U	No	-	9.39E+00
Cyclohexane	110-82-7	Yes	Yes	Yes	Yes	6.26E+02	NC	2.09E+04	1.02E+02	--	4.39E+08	3.37E+08	2.50E+01	1.30E+00	U	-		6.00E+00	U	No	-	6.26E+02
Dichlorodifluoromethane	75-71-8	Yes	Yes	Yes	Yes	1.04E+01	NC	3.48E+02	7.44E-01	--	3.15E+10	3.93E+09	2.50E+01	-		-		1.00E-01	U	No	-	1.04E+01
Dichloroethylene, 1,1-	75-35-4	Yes	Yes	Yes	Yes	2.09E+01	NC	6.95E+02	1.95E+01	No (7)	3.13E+09	2.58E+09	2.50E+01	6.50E+00	U	-		2.00E-01	U	No	-	2.09E+01
Dioxane, 1,4-	123-91-1	Yes	Yes	Yes	Yes	5.62E-01	CA	1.87E+01	2.86E+03	--	1.81E+08	1.96E+08	2.50E+01	2.00E+00	U	5.00E-06	U	3.00E-02	U	No	5.62E-01	3.13E+00
Ethanol	64-17-5	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		1.47E+08	2.04E+08	2.50E+01	3.30E+00	U	-		-		No	-	-
Ethylbenzene	100-41-4	Yes	Yes	Yes	Yes	1.12E+00	CA	3.74E+01	3.49E+00	Yes (700)	5.48E+07	5.44E+07	2.50E+01	8.00E-01	U	2.50E-06	U	1.00E+00	U	No	1.12E+00	1.04E+02
Heptane, N-	142-82-5	Yes	Yes	Yes	Yes	4.17E+01	NC	1.39E+03	5.10E-01	--	2.48E+08	2.78E+08	2.50E+01	1.05E+00	U	-		4.00E-01	U	No	-	4.17E+01
Hexachlorobutadiene	87-68-3	Yes	Yes	Yes	Yes	1.28E-01	CA	4.25E+00	3.03E-01	--	3.09E+06	1.35E+06	2.50E+01	2.90E+00	U	2.20E-05	U	-		No	1.28E-01	-
Hexane, N-	110-54-3	Yes	Yes	Yes	Yes	7.30E+01	NC	2.43E+03	9.92E-01	--	7.00E+08	6.99E+08	2.50E+01	1.10E+00	U	-		7.00E-01	U	No	-	7.30E+01
Methyl Ethyl Ketone (2-Butanone)	78-93-3	Yes	Yes	Yes	Yes	5.21E+02	NC	1.74E+04	2.24E+05	--	3.51E+08	5.19E+08	2.50E+01	1.40E+00	U	-		5.00E+00	U	No	-	5.21E+02
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	Yes	Yes	Yes	Yes	3.13E+02	NC	1.04E+04	5.55E+04	--	1.07E+08	1.07E+08	2.50E+01	1.20E+00	U	-		3.00E+00	U	No	-	3.13E+02
Methylene Chloride	75-09-2	Yes	Yes	Yes	Yes	6.26E+01	NC	2.09E+03	4.71E+02	No (5)	1.99E+09	1.73E+09	2.50E+01	1.30E+01	U	1.00E-08	U	6.00E-01	U	Mut	1.01E+02	6.26E+01
Styrene	100-42-5	Yes	Yes	Yes	Yes	1.04E+02	NC	3.48E+03	9.28E+02	No (100)	3.58E+07	3.49E+07	2.50E+01	9.00E-01	U	-		1.00E+00	U	No	-	1.04E+02
Tetrachloroethylene	127-18-4	Yes	Yes	Yes	Yes	4.17E+00	NC	1.39E+02	5.76E+00	No (5)	1.65E+08	1.49E+08	2.50E+01	-		2.60E-07	U	4.00E-02	U	No	1.08E+01	4.17E+00
Tetrahydrofuran	109-99-9	Yes	Yes	Yes	Yes	2.09E+02	NC	6.95E+03	7.24E+04	--	6.28E+08	2.88E+09	2.50E+01	2.00E+00	U	-		2.00E+00	U	No	-	2.09E+02
Toluene	108-88-3	Yes	Yes	Yes	Yes	5.21E+02	NC	1.74E+04	1.92E+03	No (1000)	1.41E+08	1.43E+08	2.50E+01	1.10E+00	U	-		5.00E+00	U	No	-	5.21E+02
Trichloroethane, 1,1,1-	71-55-6	Yes	Yes	Yes	Yes	5.21E+02	NC	1.74E+04	7.42E+02	No (200)	8.90E+08	9.07E+08	2.50E+01	8.00E+00	U	-		5.00E+00	U	No	-	5.21E+02
Trichloroethylene	79-01-6	Yes	Yes	Yes	Yes	2.09E-01	NC	6.95E+00	5.18E-01	Yes (5)	4.88E+08	5.15E+08	2.50E+01	8.00E+00	U	4.10E-06	U	2.00E-03	U	Mut	4.78E-01	2.09E-01
Trichlorofluoromethane	75-69-4	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		5.93E+09	4.36E+09	2.50E+01	-		-		-		No	-	-
Trimethylbenzene, 1,2,4-	95-63-6	Yes	Yes	Yes	Yes	6.26E+00	NC	2.09E+02	2.48E+01	--	1.36E+07	1.44E+07	2.50E+01	9.00E-01	U	-		6.00E-02	U	No	-	6.26E+00
Trimethylbenzene, 1,3,5-	108-67-8	Yes	Yes	Yes	Yes	6.26E+00	NC	2.09E+02	1.75E+01	--	1.60E+07	1.73E+07	2.50E+01	1.00E+00	U	-		6.00E-02	U	No	-	6.26E+00
Trimethylpentane, 2,2,4-	540-84-1	Yes	No	No Inhal. Tox. Info	No Inhal. Tox. Info	-		-	-		3.03E+08	3.03E+08	2.50E+01	9.00E-01	U	-		-		No	-	-
Xylene, o-	95-47-6	Yes	Yes	Yes	Yes	1.04E+01	NC	3.48E+02	4.92E+01	--	3.77E+07	3.77E+07	2.50E+01	9.00E-01	U	-		1.00E-01	U	No	-	1.04E+01
Xylenes	1330-20-7	Yes	Yes	Yes	Yes	1.04E+01	NC	3.48E+02	3.85E+01	Yes (10000)	4.56E+07	2.87E+07	2.50E+01	-		-		1.00E-01	U	No	-	1.04E+01

Appendix B
Test Pit Logs

Test Pit Logs

20 FORBES AVENUE
LOCATION: NORTH END OF PROPERTY
DATE: JULY 27, 2021
WEATHER: CLEAR AND 85 DEG F.
EQUIPMENT: MINI EXCAVATOR

TEST PIT TP-1		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-2	Brown sand and gravel, rounded washed stone, medium - coarse	0
2-4	Same	0
4-6	Same	0
6-8	Black heavily stained soil with strong odor and oily consistency	3.0
8-11	Same to Bottom of Test Pit at 11-ft, Dry	3.0

TEST PIT TP-2		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-5	Sand & Gravel Fill with automobile tires, bricks, wood and metal	0
5-11	Sand & Gravel Fill with Crushed red Bricks. Coarse sand and gravel - Dry	0
11	Bottom of Pit – No Groundwater	

TEST PIT TP-3		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-9	Coarse Brown Gravel and med-coarse brown sand	0
9-11	Sand & Gravel with decaying wood and small tree fill - Dry	0
11	Bottom of Pit – No Groundwater	

TEST PIT TP-4		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-9	Coarse Brown Gravel and med-coarse brown sand	0
9-11	Sand & Gravel with decaying wood and small tree fill - Dry	0
11	Bottom of Pit – No Groundwater	

TEST PIT TP-5		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-10	Coarse Brown Gravel and med-coarse brown sand	0
10	Apparent original grade surface - silty sand and organic layer - Dry	0
11	Bottom of Pit – No Groundwater	

Test Pit Logs

20 FORBES AVENUE
LOCATION: NORTH END OF PROPERTY
DATE: JULY 27, 2021
WEATHER: CLEAR AND 85 DEG F.
EQUIPMENT: MINI EXCAVATOR

TEST PIT TP-6		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-10	Coarse Brown Gravel and med-coarse brown sand	0
10	Apparent original grade surface - silty sand and organic layer - Dry	0
11	Bottom of Pit – No Groundwater	

TEST PIT TP-7		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-8	Coarse Brown Gravel and med-coarse brown sand	0
8-11	Sand & Gravel and metal waste - Dry	0.5
11	Bottom of Pit – No Groundwater	

TEST PIT TP-8		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-11	Coarse Brown Gravel and med-coarse brown sand. Large quantity of small diameter tree wood waste mixed into the sand and gravel.	0
11	Bottom of Pit – No Groundwater	

TEST PIT TP-9		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-10	Coarse Brown Gravel and med-coarse brown sand with mixed-in wastes including a metal automobile axel, pieces of scrap metal, wood and brick.	0
10	Bottom of Pit – No Groundwater	

TEST PIT TP-10		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-6	Coarse Brown Gravel and med-coarse brown sand	0
6-9	Sand & Gravel and silt with Groundwater rapidly entering test pit to 6-foot deep level. Walls collapsing, pit unstable and backfilled.	0
9	Bottom of Pit – Rapid groundwater infiltration from 6-foot depth	

Test Pit Logs

20 FORBES AVENUE
LOCATION: NORTH END OF PROPERTY
DATE: JULY 27, 2021
WEATHER: CLEAR AND 85 DEG F.
EQUIPMENT: MINI EXCAVATOR

TEST PIT TP-11		
DEPTH (Feet)	DESCRIPTION	PID READING (PPM)
0-5	Brown sand and gravel, bricks, wood and small diameter tree wood	0
5-11	Brown sand and gravel – coarse - dry	0
11	Bottom of Test Pit at 11-ft, Dry	0

Appendix C
Soil Boring Logs

Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-26694-E**	Log of Boring B-1 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **30 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 24 ft AMSL**
Groundwater Level and Date Measured **est. 15'**	Sampling Method(s)	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **South Bldng #1**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand and gravel		
5				Fine sand, silt and fine gravel - dry		
10				Same, moist - dark staining and petroleum odor in soil		Dark staining and oily with petroleum odor
				Est GW Depth ▼		
15				Fine sand and gravel, coarse sand, black stained and petroleum odor, moist		Black staining an oily with petroleum odor
20				Same, saturated, black staining and petroleum odor		Black oily staining and oily residue
25				Medium-coarse sand and med gravel, saturated and black oily contamination		Saturated with black oily deposits
						Set Monitoring Well @ 22-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
30				EOB		

/Users/Earth/Documents/Alpine-Projects/2021/20-Forbes-Ave-Rensselaer/Ph2-ESA/Borings/20-Forbes-Ave080921.bg4l(master field).tpl

Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-2 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **30 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 23 ft AMSL**
Groundwater Level and Date Measured **est. 15'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **SW of Building #1**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand and gravel		
5				Fine sand, silt and fine gravel - dry		
10				Same, moist - dark staining and petroleum odor in soil starting @ 14-15 ft		Dark staining and oily with petroleum odor
15				Est GW Depth ▼ Fine sand and gravel, coarse sand, black stained and petroleum odor, moist		Black staining an oily with petroleum odor
20				Fine brown sand, fine-med gravel, saturated, black staining and oily petroleum in soil		Black oily staining and oily residue
25				Coarse sand, silt and med gravel, saturated		Saturated with black oily deposits
						Set Monitoring Well @ 22-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
30				EOB		

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **321-266-94E**	Log of Boring B-3 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 21' AMSL**
Groundwater Level and Date Measured **est. 12'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Bldng #2 Area**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, gravel and brick fill with fine sand and silt at 3-5		
5				Fine sand, silt and fine gravel - dry		
10				Fine sand, silt and fine gravel - dry		
				Est GW Depth ▼		
15				Fine and medium sand, silt and fine gravel - Saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-4 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 20' AMSL**
Groundwater Level and Date Measured **est. 14'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Building #3 Area**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, gravel and silt		
5				Fine sand & silt then gray clay @ 6-10 ft. - dry		
10				Gray clay to 12-ft, then fine sand, silt and fine gravel - moist		
				Est GW Depth ▼		
15				Fine sand, silt and fine gravel - Saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-5 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 20' AMSL**
Groundwater Level and Date Measured **est. 10'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Building #4**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, silt, brick and gravel - dry		
5				Silt, clay and fine gravel - saturated		
10				Est GW Depth ▼ Same		
				Coarse sand and fine gravel - Saturated		
15				Coarse sand, silt and fine gravel		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-6 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 Ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 20" AMSL**
Groundwater Level and Date Measured **est. 10'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Building #5**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, silt and gravel - dry		
5				Silt, clay and fine gravel, wood @ 5-6 ft - saturated		
10				Est GW Depth ▼ Same, some black staining in soil, saturated		
15				Same, some black staining in soil, saturated		
				Fine sand, silt and medium gravel - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-7 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 20' AMSL**
Groundwater Level and Date Measured **est. 10'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Building #6**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		PID elevated at 4-5 ft
				Sand, silt and gravel - moist, black oily stained soil @ 4-5 ft		
5				Coarse sand and gravel- moist, black oily staining		
				Gray Clay - moist		
10				Est GW Depth ▼ Gray clay - moist		
				Sand, silting coarse gravel - saturated		
15				Fine brown silt, sand and coarse gravel - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-8 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 20' AMSL**
Groundwater Level and Date Measured **est. 3'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **SW of Building #7**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Sand, silt and gravel - moist, black oily stained soil @ 4-5 ft		
				Est GW Depth ▼		
5				same, black oily staining		PID 0.0 PPM at 7-10 ft
				Fine sand silt and coarse gravel - saturated		
10				same at 10-13 ft, saturated		
				Dense silt and fine sand - dry		
15				Fine brown silt, sand and fine gravel - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface Later adjusted screen to 2-Foot Depth and finished
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-9 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 20' AMSL**
Groundwater Level and Date Measured **est. 2'**	Sampling Method(s) **Dual Core**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Bldng#7**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand and fine gravel - dry		
				Est GW Depth ▼		
				Black stained fine sand and fine gravel - moist		
5				same, black oily staining		
				Gray silt and clay and fine gravel - moist		
10				Fine sand, silt and coarse gravel - moist		
15				Fine brown sand, silt and fine gravel - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade,Bentonite seal above screen and flush mount curb box at surface Later adjusted screen to 2-Foot Depth and finished
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-10 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation
Groundwater Level and Date Measured **est. 3'**	Sampling Method(s) **Dual Tube**	Hammer Data
Borehole Backfill **Well Materials**	Location **West of Building #9**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand, silt and fine gravel - dry		
				Est GW Depth ▼		
5				Fine sand, silt and fine gravel - saturated		
10				Fine sand, silt and coarse gravel - saturated		
15				Dense silt, sand and coarse gravel - saturated		
20				EOB		Set Monitoring Well @ 12-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-11 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation
Groundwater Level and Date Measured **est. 15'**	Sampling Method(s) **Dual Tube**	Hammer Data
Borehole Backfill **Well Materials**	Location **North end of SP**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand, silt and fine gravel - dry		
5				Fine sand and silt and med gravel - dry		
10				Same - dry		Odorous soil
15				Est GW Depth ▼ Fine brown sand, some silt and fine gravel - saturated		
20				Fine brown sand and fine gravel - saturated		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-12 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation
Groundwater Level and Date Measured **est. 16'**	Sampling Method(s) **Dual Tube**	Hammer Data
Borehole Backfill **Well Materials**	Location **East of Building #9**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand, and fine gravel - dry		
5				Fine sand and silt and fine gravel - dry		
10				Same - dry		
15				Fine brown sand, some silt and med gravel - saturated Est GW Depth ▼		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
20				Fine brown sand and fine gravel - saturated		
25				EOB		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-13 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **25 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 34' AMSL**
Groundwater Level and Date Measured **est. 15'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **North of Building #10**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand, and coarse gravel - dry		
5				Same - dry		
10				Fine brown sand and silt, coarse gravel - damp		
15				Est GW Depth ▼ Fine brown sand, some silt and coarse gravel - saturated		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
20				Fine brown sand and fine gravel - saturated		
25				EOB		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-26694-E**	Log of Boring B-14 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **25 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 35' AMSL**
Groundwater Level and Date Measured **est. 15'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **East of Building #8**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface Fine brown sand, and med-coarse gravel - dry		
5				Same - dry Black coal ash staining at 8-10 ft.		
10				No Recovery due to pushed cobble		
15				Est GW Depth ▼ Fine brown sand, some silt and coarse gravel - saturated		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
20				Same - saturated		
25				EOB		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-15 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **25 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 36' AMSL**
Groundwater Level and Date Measured **est. 15'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **East of Building #6 next to road**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface Fine brown sand, and fine gravel - dry		
5				Same - moist		
10				Same		
15				Est GW Depth ▼ No Recovery		
20				No Recovery - saturated sampler		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		Set Monitoring Well @ 25-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-16 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **25 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 28' AMSL**
Groundwater Level and Date Measured **est. 12'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **East of Building #5 ctr**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand - dry		
5				Same then coal ash fill at 8 9 feet then coarse gravel and concrete fill - dry		
10				Fine brown sand and silt - saturate at 14 Ft.		
				Est GW Depth ▼		
15				Dense gray silt, some fine gravel - saturated at bottom of sample		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
20				Fine sand, silt and coarse gravel - saturated		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **21-266-94E**	Log of Boring B-17 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 27' AMSL**
Groundwater Level and Date Measured **est. 10'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **West of Sub Station in Road**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface Fine brown sand and fine gravel - dry		
5				Same, some silt - dry		
10				Est GW Depth ▼ Same, saturated at 14-Ft.		
15				Fine sand and silt and fine gravel - saturated		
20				EOB		Set Monitoring Well @ 18-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **91-266-94E**	Log of Boring B-18 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 27' AMSL**
Groundwater Level and Date Measured **est. 10'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **South of Sub Station**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine brown sand and fine gravel - dry		
5				Fine brown sand, silt and coarse gravel - dry		
				Est GW Depth ▼		
10				Same - dry		
15				Same with some clay - saturated		
20				EOB		Set Monitoring Well @ 18-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **91-266-94E**	Log of Boring B-19 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **20 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 22 ft AMSL**
Groundwater Level and Date Measured **est. 12'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **South side of Building #4**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Brick, sand, stone and gravel - dry		
5				Fine brown sand, silt and fine gravel - dry		
10				Same - moist		
				Est GW Depth ▼		
15				Fine sand and fine gravel, dark gray stained with slight odor - saturated		
20				EOB		Set Monitoring Well @ 20-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25						
30						

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Project: **20 Forbes Avenue** Project Location: **Rensselaer, NY** Project Number: **90-266-94E**	Log of Boring B-20 **Sheet 1 of 1**

Date(s) Drilled **8/9/12 - 8/12/12**	Logged By **Baines**	Checked By **MS**
Drilling Method **Direct Push**	Drill Bit Size/Type **2" Dual Tube**	Total Depth of Borehole **25 ft**
Drill Rig Type **Geoprobe**	Drilling Contractor **CoreDown**	Approximate Surface Elevation **Approx 24' AMSL**
Groundwater Level and Date Measured **est. 12'**	Sampling Method(s) **Dual Tube**	Hammer Data **NA**
Borehole Backfill **Well Materials**	Location **NE Corner of Building #1**	

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
0				Gravel Surface		
				Fine sand and coarse gravel - dry		
5				Fine sand, silt and coarse gravel - dry		
10				Same - dry, saturated at 14.5 Ft.		
				Est GW Depth ▼		
15				Same with seam of black oily gravel at 16-19 Ft. - saturated		Black oily stained gravel at 6-18 ft.
20				Medium Brown sand - saturated		Set Monitoring Well @ 22-ft with 10 ft of 0,020 slotted screen and solid riser to grade, bentonite seal above screen and flush mount curb box at surface
25				EOB		
30						

/Users/Earth/Documents/Alpine-Projects/2021/20-Forbes-Ave-Rensselaer/Ph2-ESA/Borings/20-Forbes-Ave080921.bg4l(master field).tpl

Project: **20 Forbes Avenue**
Project Location: **Rensselaer, NY**
Project Number: **21-26694-E**

Key to Log of Boring
Sheet 1 of 1

Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER TESTS
1	2	3	4	5	6	7

COLUMN DESCRIPTIONS

1 Depth (feet): Depth in feet below the ground surface.
2 Sample Type: Type of soil sample collected at the depth interval shown.
3 Sample Number: Sample identification number.
4 Sampling Resistance, blows/ft: Number of blows to advance driven sampler one foot (or distance shown) beyond seating interval using the hammer identified on the boring log.
5 MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.
6 Water Content, %: Water content of the soil sample, expressed as percentage of dry weight of sample.
7 REMARKS AND OTHER TESTS: Comments and observations regarding drilling or sampling made by driller or field personnel.

FIELD AND LABORATORY TEST ABBREVIATIONS

CHEM: Chemical tests to assess corrosivity
COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent
PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)

MATERIAL GRAPHIC SYMBOLS

TYPICAL SAMPLER GRAPHIC SYMBOLS

- Auger sampler
- Bulk Sample
- 3-inch-OD California w/ brass rings
- CME Sampler
- Grab Sample
- 2.5-inch-OD Modified California w/ brass liners
- Pitcher Sample
- 2-inch-OD unlined split spoon (SPT)
- Shelby Tube (Thin-walled, fixed head)

OTHER GRAPHIC SYMBOLS

- Water level (at time of drilling, ATD)
- Water level (after waiting)
- Minor change in material properties within a stratum
- Inferred/gradational contact between strata
- Queried contact between strata

GENERAL NOTES

1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

/Users/Earth/Documents/Alpine-Projects/2021/20-Forbes-Ave-Rensselaer/Ph2-ESA/Borings/20-Forbes-Ave080921.bg4l(master field).tpl

Figure B-1

Appendix D
Lab Sample Analysis Reports

INDOOR AIR AND SUB-SLAB SOIL GAS SAMPLES

ANALYTICAL REPORT

Lab Number:	L2140488
Client:	Alpine Environmental 438 New Karner Road Albany, NY 12205
ATTN:	Kim Baines
Phone:	(518) 250-4047
Project Name:	BARNET MILLS
Project Number:	21-26694-E
Report Date:	08/02/21

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2140488-01	SS-01	SOIL_VAPOR	RENSSELAER, NY	07/27/21 14:20	07/28/21
L2140488-02	SS-02	SOIL_VAPOR	RENSSELAER, NY	07/27/21 14:53	07/28/21
L2140488-03	SS-03	SOIL_VAPOR	RENSSELAER, NY	07/27/21 14:55	07/28/21
L2140488-04	SS-04	SOIL_VAPOR	RENSSELAER, NY	07/27/21 15:04	07/28/21
L2140488-05	SS-05	SOIL_VAPOR	RENSSELAER, NY	07/27/21 15:10	07/28/21
L2140488-06	SS-06	SOIL_VAPOR	RENSSELAER, NY	07/27/21 15:10	07/28/21
L2140488-07	SS-07	SOIL_VAPOR	RENSSELAER, NY	07/27/21 15:20	07/28/21
L2140488-08	SS-08	SOIL_VAPOR	RENSSELAER, NY	07/27/21 15:27	07/28/21
L2140488-09	SS-09	SOIL_VAPOR	RENSSELAER, NY	07/27/21 15:32	07/28/21
L2140488-10	AA-01	AIR	RENSSELAER, NY	07/27/21 15:40	07/28/21

Project Name:	BARNET MILLS	**Lab Number:**	L2140488
Project Number:	21-26694-E	**Report Date:**	08/02/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: BARNET MILLS **Lab Number:** L2140488
Project Number: 21-26694-E **Report Date:** 08/02/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 22, 2021. The canister certification results are provided as an addendum.

L2140488-06D through -08D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2140488-09D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2140488-04D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

The WG1530310-3 LCS recoveries for 3-chloropropene (131%), bromoform (135%) and benzyl chloride (144%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

Sample Receipt

The samples designated SS-05 (L2140488-05) and SS-06 (L2140488-06) failed to collect and had to be cancelled.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 08/02/21

AIR

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-01
Client ID: SS-01
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:20
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/01/21 17:45
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.392	0.200	--	1.94	0.989	--		1
Chloromethane	0.507	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	14.0	5.00	--	26.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	15.8	1.00	--	37.5	2.38	--		1
Trichlorofluoromethane	0.332	0.200	--	1.87	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.46	0.500	--	4.43	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.388	0.200	--	1.21	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.928	0.500	--	2.74	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-01
Client ID: SS-01
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:20
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.84	0.200	--	6.48	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.66	0.200	--	5.30	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.65	0.200	--	5.68	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	1.54	0.200	--	7.19	0.934	--		1
Heptane	3.21	0.200	--	13.2	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	29.7	0.200	--	112	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	4.42	0.200	--	19.2	0.869	--		1
p/m-Xylene	14.7	0.400	--	63.9	1.74	--		1

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-01
Client ID: SS-01
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:20
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	5.40	0.200	--	23.5	0.869	--		1
4-Ethyltoluene	0.398	0.200	--	1.96	0.983	--		1
1,3,5-Trimethylbenzene	0.453	0.200	--	2.23	0.983	--		1
1,2,4-Trimethylbenzene	1.42	0.200	--	6.98	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	100		60-140

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-02
Client ID: SS-02
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:53
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/01/21 19:07
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.430	0.200	--	2.13	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	269	5.00	--	507	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	42.0	1.00	--	99.8	2.38	--		1
Trichlorofluoromethane	0.332	0.200	--	1.87	1.12	--		1
1,1-Dichloroethene	0.259	0.200	--	1.03	0.793	--		1
Tertiary butyl Alcohol	6.06	0.500	--	18.4	1.52	--		1
Methylene chloride	0.701	0.500	--	2.44	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.35	0.200	--	4.20	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.41	0.500	--	13.0	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-02
Client ID: SS-02
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:53
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	5.53	0.200	--	27.0	0.977	--		1
Tetrahydrofuran	8.81	0.500	--	26.0	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.44	0.200	--	12.1	0.705	--		1
1,1,1-Trichloroethane	12.8	0.200	--	69.8	1.09	--		1
Benzene	3.37	0.200	--	10.8	0.639	--		1
Carbon tetrachloride	1.63	0.200	--	10.3	1.26	--		1
Cyclohexane	3.05	0.200	--	10.5	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	0.204	0.200	--	0.735	0.721	--		1
Trichloroethene	0.687	0.200	--	3.69	1.07	--		1
2,2,4-Trimethylpentane	2.59	0.200	--	12.1	0.934	--		1
Heptane	5.95	0.200	--	24.4	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.542	0.500	--	2.22	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	66.3	0.200	--	250	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	19.8	0.200	--	86.0	0.869	--		1
p/m-Xylene	65.9	0.400	--	286	1.74	--		1

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-02
Client ID: SS-02
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:53
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.383	0.200	--	1.63	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	29.2	0.200	--	127	0.869	--		1
4-Ethyltoluene	3.47	0.200	--	17.1	0.983	--		1
1,3,5-Trimethylbenzene	4.46	0.200	--	21.9	0.983	--		1
1,2,4-Trimethylbenzene	14.9	0.200	--	73.3	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	108		60-140

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-03
Client ID: SS-03
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:55
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/01/21 19:50
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.369	0.200	--	1.82	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	81.8	5.00	--	154	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	259	1.00	--	615	2.38	--		1
Trichlorofluoromethane	0.321	0.200	--	1.80	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	7.92	0.500	--	24.0	1.52	--		1
Methylene chloride	1.41	0.500	--	4.90	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.730	0.200	--	2.27	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.19	0.500	--	12.4	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-03
Client ID: SS-03
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:55
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.38	0.200	--	11.9	0.705	--		1
1,1,1-Trichloroethane	20.2	0.200	--	110	1.09	--		1
Benzene	3.43	0.200	--	11.0	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	3.11	0.200	--	10.7	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	4.31	0.200	--	15.5	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	2.83	0.200	--	13.2	0.934	--		1
Heptane	6.74	0.200	--	27.6	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.646	0.500	--	2.65	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	71.8	0.200	--	271	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	0.444	0.200	--	2.04	0.921	--		1
Ethylbenzene	21.5	0.200	--	93.4	0.869	--		1
p/m-Xylene	68.3	0.400	--	297	1.74	--		1

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-03
Client ID: SS-03
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:55
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.419	0.200	--	1.78	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	30.5	0.200	--	132	0.869	--		1
4-Ethyltoluene	3.26	0.200	--	16.0	0.983	--		1
1,3,5-Trimethylbenzene	4.59	0.200	--	22.6	0.983	--		1
1,2,4-Trimethylbenzene	14.9	0.200	--	73.3	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	111		60-140

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-04 D
Client ID: SS-04
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:04
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/01/21 20:32
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.434	0.259	--	2.15	1.28	--		1.295
Chloromethane	ND	0.259	--	ND	0.535	--		1.295
Freon-114	ND	0.259	--	ND	1.81	--		1.295
Vinyl chloride	ND	0.259	--	ND	0.662	--		1.295
1,3-Butadiene	ND	0.259	--	ND	0.573	--		1.295
Bromomethane	ND	0.259	--	ND	1.01	--		1.295
Chloroethane	ND	0.259	--	ND	0.683	--		1.295
Ethanol	25.0	6.48	--	47.1	12.2	--		1.295
Vinyl bromide	ND	0.259	--	ND	1.13	--		1.295
Acetone	41.8	1.30	--	99.3	3.09	--		1.295
Trichlorofluoromethane	0.501	0.259	--	2.82	1.46	--		1.295
1,1-Dichloroethene	ND	0.259	--	ND	1.03	--		1.295
Tertiary butyl Alcohol	5.14	0.648	--	15.6	1.96	--		1.295
Methylene chloride	1.49	0.648	--	5.18	2.25	--		1.295
3-Chloropropene	ND	0.259	--	ND	0.811	--		1.295
Carbon disulfide	1.09	0.259	--	3.39	0.807	--		1.295
Freon-113	ND	0.259	--	ND	1.99	--		1.295
trans-1,2-Dichloroethene	ND	0.259	--	ND	1.03	--		1.295
1,1-Dichloroethane	ND	0.259	--	ND	1.05	--		1.295
Methyl tert butyl ether	ND	0.259	--	ND	0.934	--		1.295
2-Butanone	4.98	0.648	--	14.7	1.91	--		1.295
cis-1,2-Dichloroethene	ND	0.259	--	ND	1.03	--		1.295
Ethyl Acetate	ND	0.648	--	ND	2.34	--		1.295

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-04 D
Client ID: SS-04
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:04
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.695	0.259	--	3.39	1.26	--		1.295
Tetrahydrofuran	7.58	0.648	--	22.4	1.91	--		1.295
1,2-Dichloroethane	ND	0.259	--	ND	1.05	--		1.295
n-Hexane	3.85	0.259	--	13.6	0.913	--		1.295
1,1,1-Trichloroethane	0.943	0.259	--	5.15	1.41	--		1.295
Benzene	3.26	0.259	--	10.4	0.827	--		1.295
Carbon tetrachloride	ND	0.259	--	ND	1.63	--		1.295
Cyclohexane	3.03	0.259	--	10.4	0.892	--		1.295
1,2-Dichloropropane	ND	0.259	--	ND	1.20	--		1.295
Bromodichloromethane	ND	0.259	--	ND	1.74	--		1.295
1,4-Dioxane	ND	0.259	--	ND	0.933	--		1.295
Trichloroethene	ND	0.259	--	ND	1.39	--		1.295
2,2,4-Trimethylpentane	2.74	0.259	--	12.8	1.21	--		1.295
Heptane	6.02	0.259	--	24.7	1.06	--		1.295
cis-1,3-Dichloropropene	ND	0.259	--	ND	1.18	--		1.295
4-Methyl-2-pentanone	ND	0.648	--	ND	2.66	--		1.295
trans-1,3-Dichloropropene	ND	0.259	--	ND	1.18	--		1.295
1,1,2-Trichloroethane	ND	0.259	--	ND	1.41	--		1.295
Toluene	71.6	0.259	--	270	0.976	--		1.295
2-Hexanone	ND	0.259	--	ND	1.06	--		1.295
Dibromochloromethane	ND	0.259	--	ND	2.21	--		1.295
1,2-Dibromoethane	ND	0.259	--	ND	1.99	--		1.295
Tetrachloroethene	ND	0.259	--	ND	1.76	--		1.295
Chlorobenzene	ND	0.259	--	ND	1.19	--		1.295
Ethylbenzene	21.0	0.259	--	91.2	1.12	--		1.295
p/m-Xylene	73.5	0.518	--	319	2.25	--		1.295

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-04 D
Client ID: SS-04
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:04
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.259	--	ND	2.68	--		1.295
Styrene	0.321	0.259	--	1.37	1.10	--		1.295
1,1,2,2-Tetrachloroethane	ND	0.259	--	ND	1.78	--		1.295
o-Xylene	31.8	0.259	--	138	1.12	--		1.295
4-Ethyltoluene	3.77	0.259	--	18.5	1.27	--		1.295
1,3,5-Trimethylbenzene	5.12	0.259	--	25.2	1.27	--		1.295
1,2,4-Trimethylbenzene	17.2	0.259	--	84.6	1.27	--		1.295
Benzyl chloride	ND	0.259	--	ND	1.34	--		1.295
1,3-Dichlorobenzene	ND	0.259	--	ND	1.56	--		1.295
1,4-Dichlorobenzene	ND	0.259	--	ND	1.56	--		1.295
1,2-Dichlorobenzene	ND	0.259	--	ND	1.56	--		1.295
1,2,4-Trichlorobenzene	ND	0.259	--	ND	1.92	--		1.295
Hexachlorobutadiene	ND	0.259	--	ND	2.76	--		1.295

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	107		60-140

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-07
Client ID: SS-07
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:20
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/01/21 22:38
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.488	0.200	--	2.41	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	94.8	5.00	--	179	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	72.7	1.00	--	173	2.38	--		1
Trichlorofluoromethane	0.348	0.200	--	1.96	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	8.85	0.500	--	26.8	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.13	0.200	--	3.52	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.11	0.500	--	12.1	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-07
Client ID: SS-07
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:20
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.269	0.200	--	1.31	0.977	--		1
Tetrahydrofuran	12.2	0.500	--	36.0	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	4.68	0.200	--	16.5	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	9.23	0.200	--	29.5	0.639	--		1
Carbon tetrachloride	2.70	0.200	--	17.0	1.26	--		1
Cyclohexane	4.57	0.200	--	15.7	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	3.77	0.200	--	17.6	0.934	--		1
Heptane	8.45	0.200	--	34.6	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.703	0.500	--	2.88	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	82.9	0.200	--	312	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	22.1	0.200	--	96.0	0.869	--		1
p/m-Xylene	67.9	0.400	--	295	1.74	--		1

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-07
Client ID: SS-07
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:20
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.472	0.200	--	2.01	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	27.7	0.200	--	120	0.869	--		1
4-Ethyltoluene	2.25	0.200	--	11.1	0.983	--		1
1,3,5-Trimethylbenzene	2.74	0.200	--	13.5	0.983	--		1
1,2,4-Trimethylbenzene	8.54	0.200	--	42.0	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	107		60-140

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-08 D
Client ID: SS-08
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:27
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/01/21 23:19
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.60	0.792	--	7.91	3.92	--		3.961
Chloromethane	ND	0.792	--	ND	1.64	--		3.961
Freon-114	ND	0.792	--	ND	5.54	--		3.961
Vinyl chloride	ND	0.792	--	ND	2.02	--		3.961
1,3-Butadiene	2.68	0.792	--	5.93	1.75	--		3.961
Bromomethane	ND	0.792	--	ND	3.08	--		3.961
Chloroethane	ND	0.792	--	ND	2.09	--		3.961
Ethanol	200	19.8	--	377	37.3	--		3.961
Vinyl bromide	ND	0.792	--	ND	3.46	--		3.961
Acetone	475	3.96	--	1130	9.41	--		3.961
Trichlorofluoromethane	ND	0.792	--	ND	4.45	--		3.961
1,1-Dichloroethene	ND	0.792	--	ND	3.14	--		3.961
Tertiary butyl Alcohol	33.4	1.98	--	101	6.00	--		3.961
Methylene chloride	2.02	1.98	--	7.02	6.88	--		3.961
3-Chloropropene	ND	0.792	--	ND	2.48	--		3.961
Carbon disulfide	2.19	0.792	--	6.82	2.47	--		3.961
Freon-113	ND	0.792	--	ND	6.07	--		3.961
trans-1,2-Dichloroethene	ND	0.792	--	ND	3.14	--		3.961
1,1-Dichloroethane	ND	0.792	--	ND	3.21	--		3.961
Methyl tert butyl ether	ND	0.792	--	ND	2.86	--		3.961
2-Butanone	12.0	1.98	--	35.4	5.84	--		3.961
cis-1,2-Dichloroethene	ND	0.792	--	ND	3.14	--		3.961
Ethyl Acetate	ND	1.98	--	ND	7.14	--		3.961

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-08 D
Client ID: SS-08
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:27
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.792	--	ND	3.87	--		3.961
Tetrahydrofuran	5.59	1.98	--	16.5	5.84	--		3.961
1,2-Dichloroethane	ND	0.792	--	ND	3.21	--		3.961
n-Hexane	12.7	0.792	--	44.8	2.79	--		3.961
1,1,1-Trichloroethane	ND	0.792	--	ND	4.32	--		3.961
Benzene	9.95	0.792	--	31.8	2.53	--		3.961
Carbon tetrachloride	2.21	0.792	--	13.9	4.98	--		3.961
Cyclohexane	8.90	0.792	--	30.6	2.73	--		3.961
1,2-Dichloropropane	ND	0.792	--	ND	3.66	--		3.961
Bromodichloromethane	ND	0.792	--	ND	5.31	--		3.961
1,4-Dioxane	ND	0.792	--	ND	2.85	--		3.961
Trichloroethene	ND	0.792	--	ND	4.26	--		3.961
2,2,4-Trimethylpentane	8.77	0.792	--	41.0	3.70	--		3.961
Heptane	17.1	0.792	--	70.1	3.25	--		3.961
cis-1,3-Dichloropropene	ND	0.792	--	ND	3.60	--		3.961
4-Methyl-2-pentanone	ND	1.98	--	ND	8.11	--		3.961
trans-1,3-Dichloropropene	ND	0.792	--	ND	3.60	--		3.961
1,1,2-Trichloroethane	ND	0.792	--	ND	4.32	--		3.961
Toluene	176	0.792	--	663	2.98	--		3.961
2-Hexanone	ND	0.792	--	ND	3.25	--		3.961
Dibromochloromethane	ND	0.792	--	ND	6.75	--		3.961
1,2-Dibromoethane	ND	0.792	--	ND	6.09	--		3.961
Tetrachloroethene	ND	0.792	--	ND	5.37	--		3.961
Chlorobenzene	ND	0.792	--	ND	3.65	--		3.961
Ethylbenzene	29.3	0.792	--	127	3.44	--		3.961
p/m-Xylene	97.6	1.58	--	424	6.86	--		3.961

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-08 D
Client ID: SS-08
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:27
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.792	--	ND	8.19	--		3.961
Styrene	ND	0.792	--	ND	3.37	--		3.961
1,1,2,2-Tetrachloroethane	ND	0.792	--	ND	5.44	--		3.961
o-Xylene	34.9	0.792	--	152	3.44	--		3.961
4-Ethyltoluene	2.59	0.792	--	12.7	3.89	--		3.961
1,3,5-Trimethylbenzene	2.87	0.792	--	14.1	3.89	--		3.961
1,2,4-Trimethylbenzene	8.98	0.792	--	44.1	3.89	--		3.961
Benzyl chloride	ND	0.792	--	ND	4.10	--		3.961
1,3-Dichlorobenzene	ND	0.792	--	ND	4.76	--		3.961
1,4-Dichlorobenzene	ND	0.792	--	ND	4.76	--		3.961
1,2-Dichlorobenzene	ND	0.792	--	ND	4.76	--		3.961
1,2,4-Trichlorobenzene	ND	0.792	--	ND	5.88	--		3.961
Hexachlorobutadiene	ND	0.792	--	ND	8.45	--		3.961

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	106		60-140

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-09 D
Client ID: SS-09
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:32
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/01/21 23:59
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.475	0.307	--	2.35	1.52	--		1.536
Chloromethane	0.389	0.307	--	0.803	0.634	--		1.536
Freon-114	ND	0.307	--	ND	2.15	--		1.536
Vinyl chloride	ND	0.307	--	ND	0.785	--		1.536
1,3-Butadiene	ND	0.307	--	ND	0.679	--		1.536
Bromomethane	ND	0.307	--	ND	1.19	--		1.536
Chloroethane	ND	0.307	--	ND	0.810	--		1.536
Ethanol	9.53	7.68	--	18.0	14.5	--		1.536
Vinyl bromide	ND	0.307	--	ND	1.34	--		1.536
Acetone	39.6	1.54	--	94.1	3.66	--		1.536
Trichlorofluoromethane	0.312	0.307	--	1.75	1.73	--		1.536
1,1-Dichloroethene	ND	0.307	--	ND	1.22	--		1.536
Tertiary butyl Alcohol	7.66	0.768	--	23.2	2.33	--		1.536
Methylene chloride	ND	0.768	--	ND	2.67	--		1.536
3-Chloropropene	ND	0.307	--	ND	0.961	--		1.536
Carbon disulfide	1.32	0.307	--	4.11	0.956	--		1.536
Freon-113	ND	0.307	--	ND	2.35	--		1.536
trans-1,2-Dichloroethene	ND	0.307	--	ND	1.22	--		1.536
1,1-Dichloroethane	ND	0.307	--	ND	1.24	--		1.536
Methyl tert butyl ether	ND	0.307	--	ND	1.11	--		1.536
2-Butanone	8.25	0.768	--	24.3	2.27	--		1.536
cis-1,2-Dichloroethene	ND	0.307	--	ND	1.22	--		1.536
Ethyl Acetate	ND	0.768	--	ND	2.77	--		1.536

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-09 D
Client ID: SS-09
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:32
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.307	--	ND	1.50	--		1.536
Tetrahydrofuran	4.82	0.768	--	14.2	2.27	--		1.536
1,2-Dichloroethane	ND	0.307	--	ND	1.24	--		1.536
n-Hexane	4.33	0.307	--	15.3	1.08	--		1.536
1,1,1-Trichloroethane	0.782	0.307	--	4.27	1.68	--		1.536
Benzene	4.61	0.307	--	14.7	0.981	--		1.536
Carbon tetrachloride	ND	0.307	--	ND	1.93	--		1.536
Cyclohexane	3.52	0.307	--	12.1	1.06	--		1.536
1,2-Dichloropropane	ND	0.307	--	ND	1.42	--		1.536
Bromodichloromethane	ND	0.307	--	ND	2.06	--		1.536
1,4-Dioxane	ND	0.307	--	ND	1.11	--		1.536
Trichloroethene	ND	0.307	--	ND	1.65	--		1.536
2,2,4-Trimethylpentane	3.45	0.307	--	16.1	1.43	--		1.536
Heptane	8.63	0.307	--	35.4	1.26	--		1.536
cis-1,3-Dichloropropene	ND	0.307	--	ND	1.39	--		1.536
4-Methyl-2-pentanone	0.803	0.768	--	3.29	3.15	--		1.536
trans-1,3-Dichloropropene	ND	0.307	--	ND	1.39	--		1.536
1,1,2-Trichloroethane	ND	0.307	--	ND	1.68	--		1.536
Toluene	94.7	0.307	--	357	1.16	--		1.536
2-Hexanone	ND	0.307	--	ND	1.26	--		1.536
Dibromochloromethane	ND	0.307	--	ND	2.62	--		1.536
1,2-Dibromoethane	ND	0.307	--	ND	2.36	--		1.536
Tetrachloroethene	1.82	0.307	--	12.3	2.08	--		1.536
Chlorobenzene	ND	0.307	--	ND	1.41	--		1.536
Ethylbenzene	24.4	0.307	--	106	1.33	--		1.536
p/m-Xylene	81.4	0.614	--	354	2.67	--		1.536

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-09 D
Client ID: SS-09
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:32
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.307	--	ND	3.17	--		1.536
Styrene	0.422	0.307	--	1.80	1.31	--		1.536
1,1,2,2-Tetrachloroethane	ND	0.307	--	ND	2.11	--		1.536
o-Xylene	32.2	0.307	--	140	1.33	--		1.536
4-Ethyltoluene	3.31	0.307	--	16.3	1.51	--		1.536
1,3,5-Trimethylbenzene	3.80	0.307	--	18.7	1.51	--		1.536
1,2,4-Trimethylbenzene	12.6	0.307	--	61.9	1.51	--		1.536
Benzyl chloride	ND	0.307	--	ND	1.59	--		1.536
1,3-Dichlorobenzene	ND	0.307	--	ND	1.85	--		1.536
1,4-Dichlorobenzene	ND	0.307	--	ND	1.85	--		1.536
1,2-Dichlorobenzene	ND	0.307	--	ND	1.85	--		1.536
1,2,4-Trichlorobenzene	ND	0.307	--	ND	2.28	--		1.536
Hexachlorobutadiene	ND	0.307	--	ND	3.27	--		1.536

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	110		60-140

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-10
Client ID: AA-01
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:40
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/01/21 17:06
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.399	0.200	--	1.97	0.989	--		1
Chloromethane	0.488	0.200	--	1.01	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.20	1.00	--	17.1	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-10
Client ID: AA-01
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:40
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	2.68	0.500	--	7.90	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.532	0.200	--	1.87	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.477	0.200	--	1.52	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.230	0.200	--	0.792	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.513	0.200	--	2.40	0.934	--		1
Heptane	0.529	0.200	--	2.17	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	16.1	0.200	--	60.7	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.564	0.200	--	2.45	0.869	--		1
p/m-Xylene	1.89	0.400	--	8.21	1.74	--		1

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

SAMPLE RESULTS

Lab ID: L2140488-10
Client ID: AA-01
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:40
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.625	0.200	--	2.71	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	81		60-140
chlorobenzene-d5	95		60-140

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/01/21 14:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04,07-10 Batch: WG1530310-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/01/21 14:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04,07-10 Batch: WG1530310-4								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1

Project Name: BARNET MILLS
Project Number: 21-26694-E
Lab Number: L2140488
Report Date: 08/02/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/01/21 14:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04,07-10 Batch: WG1530310-4								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694-E

Lab Number: L2140488

Report Date: 08/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07-10 Batch: WG1530310-3								
Dichlorodifluoromethane	72		-		70-130	-		
Chloromethane	88		-		70-130	-		
Freon-114	82		-		70-130	-		
Vinyl chloride	87		-		70-130	-		
1,3-Butadiene	89		-		70-130	-		
Bromomethane	83		-		70-130	-		
Chloroethane	89		-		70-130	-		
Ethanol	76		-		40-160	-		
Vinyl bromide	84		-		70-130	-		
Acetone	92		-		40-160	-		
Trichlorofluoromethane	105		-		70-130	-		
1,1-Dichloroethene	112		-		70-130	-		
Tertiary butyl Alcohol	96		-		70-130	-		
Methylene chloride	123		-		70-130	-		
3-Chloropropene	**131**	Q	-		70-130	-		
Carbon disulfide	102		-		70-130	-		
Freon-113	114		-		70-130	-		
trans-1,2-Dichloroethene	101		-		70-130	-		
1,1-Dichloroethane	102		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
2-Butanone	108		-		70-130	-		
cis-1,2-Dichloroethene	104		-		70-130	-		
Ethyl Acetate	110		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694-E

Lab Number: L2140488

Report Date: 08/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07-10 Batch: WG1530310-3								
Chloroform	95		-		70-130	-		
Tetrahydrofuran	108		-		70-130	-		
1,2-Dichloroethane	87		-		70-130	-		
n-Hexane	106		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	103		-		70-130	-		
Cyclohexane	107		-		70-130	-		
1,2-Dichloropropane	112		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	85		-		70-130	-		
Trichloroethene	109		-		70-130	-		
2,2,4-Trimethylpentane	108		-		70-130	-		
Heptane	115		-		70-130	-		
cis-1,3-Dichloropropene	111		-		70-130	-		
4-Methyl-2-pentanone	117		-		70-130	-		
trans-1,3-Dichloropropene	97		-		70-130	-		
1,1,2-Trichloroethane	111		-		70-130	-		
Toluene	110		-		70-130	-		
2-Hexanone	80		-		70-130	-		
Dibromochloromethane	125		-		70-130	-		
1,2-Dibromoethane	114		-		70-130	-		
Tetrachloroethene	110		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07-10 Batch: WG1530310-3								
Chlorobenzene	111		-		70-130	-		
Ethylbenzene	113		-		70-130	-		
p/m-Xylene	112		-		70-130	-		
Bromoform	**135**	Q	-		70-130	-		
Styrene	113		-		70-130	-		
1,1,2,2-Tetrachloroethane	121		-		70-130	-		
o-Xylene	113		-		70-130	-		
4-Ethyltoluene	110		-		70-130	-		
1,3,5-Trimethylbenzene	109		-		70-130	-		
1,2,4-Trimethylbenzene	113		-		70-130	-		
Benzyl chloride	**144**	Q	-		70-130	-		
1,3-Dichlorobenzene	110		-		70-130	-		
1,4-Dichlorobenzene	112		-		70-130	-		
1,2-Dichlorobenzene	113		-		70-130	-		
1,2,4-Trichlorobenzene	114		-		70-130	-		
Hexachlorobutadiene	108		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07-10 QC Batch ID: WG1530310-5 QC Sample: L2140488-01 Client ID: SS-01						
Dichlorodifluoromethane	0.392	0.380	ppbV	3		25
Chloromethane	0.507	0.498	ppbV	2		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	14.0	13.7	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	15.8	16.3	ppbV	3		25
Trichlorofluoromethane	0.332	0.316	ppbV	5		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	1.46	1.44	ppbV	1		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.388	0.380	ppbV	2		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.928	0.927	ppbV	0		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07-10 QC Batch ID: WG1530310-5 QC Sample: L2140488-01 Client ID: SS-01						
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	1.84	1.77	ppbV	4		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	1.66	1.62	ppbV	2		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	1.65	1.61	ppbV	2		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	1.54	1.49	ppbV	3		25
Heptane	3.21	3.10	ppbV	3		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	29.7	29.2	ppbV	2		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07-10 QC Batch ID: WG1530310-5 QC Sample: L2140488-01 Client ID: SS-01						
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	4.42	4.32	ppbV	2		25
p/m-Xylene	14.7	14.4	ppbV	2		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	5.40	5.30	ppbV	2		25
4-Ethyltoluene	0.398	0.373	ppbV	6		25
1,3,5-Trimethylbenzene	0.453	0.442	ppbV	2		25
1,2,4-Trimethylbenzene	1.42	1.41	ppbV	1		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: BARNET MILLS

Project Number: 21-26694-E

Lab Number: L2140488

Report Date: 08/02/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2140488-01	SS-01	02096	Flow 3	07/22/21	358638		-	-	-	Pass	4.5	4.9	9
L2140488-01	SS-01	3402	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.3	1.6	-	-	-	-
L2140488-02	SS-02	0875	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.7	4
L2140488-02	SS-02	3435	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.0	-8.1	-	-	-	-
L2140488-03	SS-03	01679	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.6	2
L2140488-03	SS-03	444	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.3	-8.6	-	-	-	-
L2140488-04	SS-04	01782	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.9	9
L2140488-04	SS-04	2332	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.2	-12.3	-	-	-	-
L2140488-05	SS-05	01365	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	.6	153
L2140488-05	SS-05	1718	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.3	-28.2	-	-	-	-
L2140488-06	SS-06	01062	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.5	0
L2140488-06	SS-06	3175	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.1	-26.9	-	-	-	-
L2140488-07	SS-07	0101	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.6	2
L2140488-07	SS-07	186	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.1	-9.5	-	-	-	-
L2140488-08	SS-08	0096	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.8	6

Project Name: BARNET MILLS

Lab Number: L2140488

Project Number: 21-26694-E

Report Date: 08/02/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2140488-08	SS-08	2819	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.4	-23.1	-	-	-	-
L2140488-09	SS-09	02076	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.4	2
L2140488-09	SS-09	2791	2.7L Can	07/22/21	358638	L2138213-02	Pass	-29.4	-11.4	-	-	-	-
L2140488-10	AA-01	0492	Flow 5	07/22/21	358638		-	-	-	Pass	4.5	4.4	2
L2140488-10	AA-01	3006	2.7L Can	07/22/21	358638	L2138499-01	Pass	-29.3	-11.5	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/16/21 17:54
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Silanol, Trimethyl-	1.7	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/16/21 17:54
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138213
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138213-02
Client ID: CAN 335 SHELF 16
Sample Location:

Date Collected: 07/15/21 16:00
Date Received: 07/16/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/19/21 17:14
Analyst: AW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2138499

Project Number: CANISTER QC BAT **Report Date:** 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/19/21 17:14
Analyst: AW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2138499
Report Date: 08/02/21

Air Canister Certification Results

Lab ID: L2138499-01
Client ID: CAN 560 SHELF 2
Sample Location:

Date Collected: 07/16/21 16:00
Date Received: 07/19/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: BARNET MILLS
Project Number: 21-26694-E

Lab Number: L2140488
Report Date: 08/02/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2140488-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		CANCELLED()
L2140488-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		CANCELLED()
L2140488-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2140488-10A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	BARNET MILLS	**Lab Number:**	L2140488
Project Number:	21-26694-E	**Report Date:**	08/02/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	BARNET MILLS	**Lab Number:**	L2140488
Project Number:	21-26694-E	**Report Date:**	08/02/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

Project Name:	BARNET MILLS	**Lab Number:**	L2140488
Project Number:	21-26694-E	**Report Date:**	08/02/21

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7/29/21

ALPHA Job #: L2140488

Client Information

Client: Alpine Environmental Services
Address: 438 New Karner Road
Albany NY
Phone: 518-588-2104
Fax:
Email: KimB@Alpineenv.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Barnet Mills
Project Location: Rensselaer, NY
Project #: 21-26694-E
Project Manager: Baines
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:
Do

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subset Hydrocarbons HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
40488-01	SS-01	7/27/21	7:40	14:20	-30	-0.2	SG	KB	1L	3402	2096	X					* Do NOT report Isopropyl Alcohol *
-02	SS-02	7/27/21	7:55	14:53	-29.8	-10.3	SG	KB	1L	3435	875	X					
-03	SS-03	7/27/21	8:00	14:55	-30	-10.5	SG	KB	1L	444	1679	X					
-04	SS-04	7/27/21	8:05	15:04	-29.7	-14.4	SG	KB	1L	2332	1782	X					
-05	SS-05	7/27/21	8:20	15:10	-30	-29.7	SG	KB	1L	1718	1365	X					
-06	SS-06	7/27/21	8:20	15:10	-30	-29.7	SG	KB	1L	3175	1062	X					
-07	SS-07	7/27/21	8:42	15:20	-30	-11.5	SG	KB	1L	186	101	X					
-08	SS-08	7/27/21	8:52	15:27	-29.8	-24.8	SG	KB	1L	2819	096	X					
-09	SS-09	7/27/21	9:05	15:32	-30	-13.4	SG	KB	1L	2791	2076	X					
-10	AA-01	7/27/21	9:10	15:40	-30	-13.2	AA	KB	1L	3006	492	X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Kim Baines	7/28/21 1242		7/28/21 12:42
	7/28/21 1255		7/29/21 0040
	7/29/21 4:00		7/29/21 0410
	7/29/21 0530		7/29/21 0530

SOIL SAMPLES FROM TEST PITS

ANALYTICAL REPORT

Lab Number:	L2140625
Client:	Alpine Environmental 438 New Karner Road Albany, NY 12205
ATTN:	Kim Baines
Phone:	(518) 250-4047
Project Name:	BARNET MILLS
Project Number:	21-26694E
Report Date:	08/05/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2140625-01	TP-1 6-8FT	SOIL	RENSSELAER, NY	07/27/21 09:40	07/28/21
L2140625-02	TP-1 8-10FT	SOIL	RENSSELAER, NY	07/27/21 09:50	07/28/21
L2140625-03	TP-9 8-9FT	SOIL	RENSSELAER, NY	07/27/21 14:15	07/28/21
L2140625-04	TP-11 10FT	SOIL	RENSSELAER, NY	07/27/21 15:10	07/28/21

Project Name:	BARNET MILLS	**Lab Number:**	L2140625
Project Number:	21-26694E	**Report Date:**	08/05/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	BARNET MILLS	**Lab Number:**	L2140625
Project Number:	21-26694E	**Report Date:**	08/05/21

Case Narrative (continued)

Report Submission

August 05, 2021: This final report includes the results of all requested analyses.

August 04, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The Total Metals analysis was subcontracted. A copy of the laboratory report is included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L2140625-01 and -02: The methanol vial was analyzed in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The results of both analyses are reported.

PCBs

L2140625-01D: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (1230%, 1320%); however, the sample was not re-extracted due to coelution with Aroclor 1268.

L2140625-02D: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (1882%, 2050%); however, the sample was not re-extracted due to coelution with Aroclor 1268.

L2140625-03: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (201%, 217%); however, the sample was not re-extracted due to coelution with Aroclor 1268.

L2140625-04D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/05/21

ORGANICS

VOLATILES

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-01
Client ID: TP-1 6-8FT
Sample Location: RENSSELAER, NY
Date Collected: 07/27/21 09:40
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/03/21 02:26
Analyst: JC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.15	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	2.0		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1

Project Name: BARNET MILLS **Lab Number:** L2140625

Project Number: 21-26694E **Report Date:** 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-01 Date Collected: 07/27/21 09:40

Client ID: TP-1 6-8FT Date Received: 07/28/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	360	E	ug/kg	10	4.9	1
Carbon disulfide	8.8	J	ug/kg	10	4.6	1
2-Butanone	74		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
Methyl Acetate	ND		ug/kg	4.1	0.97	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	82	36.	1
Freon-113	ND		ug/kg	4.1	0.71	1
Methyl cyclohexane	ND		ug/kg	4.1	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-01
Client ID: TP-1 6-8FT
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:40
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/04/21 01:01
Analyst: JC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	300	140	1
1,1-Dichloroethane	ND		ug/kg	60	8.6	1
Chloroform	11	J	ug/kg	89	8.3	1
Carbon tetrachloride	ND		ug/kg	60	14.	1
1,2-Dichloropropane	ND		ug/kg	60	7.4	1
Dibromochloromethane	ND		ug/kg	60	8.3	1
1,1,2-Trichloroethane	ND		ug/kg	60	16.	1
Tetrachloroethene	ND		ug/kg	30	12.	1
Chlorobenzene	ND		ug/kg	30	7.6	1
Trichlorofluoromethane	ND		ug/kg	240	41.	1
1,2-Dichloroethane	ND		ug/kg	60	15.	1
1,1,1-Trichloroethane	ND		ug/kg	30	10.	1
Bromodichloromethane	ND		ug/kg	30	6.5	1
trans-1,3-Dichloropropene	ND		ug/kg	60	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	30	9.4	1
Bromoform	ND		ug/kg	240	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	30	9.9	1
Benzene	ND		ug/kg	30	9.9	1
Toluene	100		ug/kg	60	32.	1
Ethylbenzene	ND		ug/kg	60	8.4	1
Chloromethane	ND		ug/kg	240	56.	1
Bromomethane	ND		ug/kg	120	35.	1
Vinyl chloride	ND		ug/kg	60	20.	1
Chloroethane	ND		ug/kg	120	27.	1
1,1-Dichloroethene	ND		ug/kg	60	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	89	8.2	1
Trichloroethene	ND		ug/kg	30	8.2	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.6	1

Project Name: BARNET MILLS **Lab Number:** L2140625

Project Number: 21-26694E **Report Date:** 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-01 Date Collected: 07/27/21 09:40

Client ID: TP-1 6-8FT Date Received: 07/28/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	120	8.8	1
1,4-Dichlorobenzene	ND		ug/kg	120	10.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	ND		ug/kg	120	33.	1
o-Xylene	ND		ug/kg	60	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	60	10.	1
Styrene	ND		ug/kg	60	12.	1
Dichlorodifluoromethane	ND		ug/kg	600	54.	1
Acetone	440	J	ug/kg	600	290	1
Carbon disulfide	ND		ug/kg	600	270	1
2-Butanone	190	J	ug/kg	600	130	1
4-Methyl-2-pentanone	ND		ug/kg	600	76.	1
2-Hexanone	ND		ug/kg	600	70.	1
Bromochloromethane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	60	17.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	59.	1
Isopropylbenzene	ND		ug/kg	60	6.5	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
Methyl Acetate	330		ug/kg	240	57.	1
Cyclohexane	ND		ug/kg	600	32.	1
1,4-Dioxane	ND		ug/kg	4800	2100	1
Freon-113	ND		ug/kg	240	41.	1
Methyl cyclohexane	ND		ug/kg	240	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-02
Client ID: TP-1 8-10FT
Sample Location: RENSSELAER, NY
Date Collected: 07/27/21 09:50
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/03/21 03:44
Analyst: JC
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.20	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	14		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1

Project Name: BARNET MILLS **Lab Number:** L2140625

Project Number: 21-26694E **Report Date:** 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-02 Date Collected: 07/27/21 09:50

Client ID: TP-1 8-10FT Date Received: 07/28/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.24	1
p/m-Xylene	ND		ug/kg	2.3	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	820	E	ug/kg	12	5.6	1
Carbon disulfide	10	J	ug/kg	12	5.3	1
2-Butanone	150		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
Methyl Acetate	ND		ug/kg	4.7	1.1	1
Cyclohexane	ND		ug/kg	12	0.64	1
1,4-Dioxane	ND		ug/kg	94	41.	1
Freon-113	ND		ug/kg	4.7	0.81	1
Methyl cyclohexane	ND		ug/kg	4.7	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-02
Client ID: TP-1 8-10FT
Sample Location: RENSSELAER, NY
Date Collected: 07/27/21 09:50
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/04/21 01:27
Analyst: JC
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	360	160	1
1,1-Dichloroethane	ND		ug/kg	71	10.	1
Chloroform	12	J	ug/kg	110	10.	1
Carbon tetrachloride	ND		ug/kg	71	16.	1
1,2-Dichloropropane	ND		ug/kg	71	8.9	1
Dibromochloromethane	ND		ug/kg	71	10.	1
1,1,2-Trichloroethane	ND		ug/kg	71	19.	1
Tetrachloroethene	ND		ug/kg	36	14.	1
Chlorobenzene	ND		ug/kg	36	9.1	1
Trichlorofluoromethane	ND		ug/kg	280	50.	1
1,2-Dichloroethane	ND		ug/kg	71	18.	1
1,1,1-Trichloroethane	ND		ug/kg	36	12.	1
Bromodichloromethane	ND		ug/kg	36	7.8	1
trans-1,3-Dichloropropene	ND		ug/kg	71	20.	1
cis-1,3-Dichloropropene	ND		ug/kg	36	11.	1
Bromoform	ND		ug/kg	280	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	36	12.	1
Benzene	ND		ug/kg	36	12.	1
Toluene	1700		ug/kg	71	39.	1
Ethylbenzene	ND		ug/kg	71	10.	1
Chloromethane	ND		ug/kg	280	66.	1
Bromomethane	ND		ug/kg	140	42.	1
Vinyl chloride	ND		ug/kg	71	24.	1
Chloroethane	ND		ug/kg	140	32.	1
1,1-Dichloroethene	ND		ug/kg	71	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	9.8	1
Trichloroethene	ND		ug/kg	36	9.8	1
1,2-Dichlorobenzene	ND		ug/kg	140	10.	1

Project Name: BARNET MILLS **Lab Number:** L2140625

Project Number: 21-26694E **Report Date:** 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-02 Date Collected: 07/27/21 09:50

Client ID: TP-1 8-10FT Date Received: 07/28/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	140	10.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	ND		ug/kg	140	40.	1
o-Xylene	ND		ug/kg	71	21.	1
cis-1,2-Dichloroethene	ND		ug/kg	71	12.	1
Styrene	ND		ug/kg	71	14.	1
Dichlorodifluoromethane	ND		ug/kg	710	65.	1
Acetone	1200		ug/kg	710	340	1
Carbon disulfide	ND		ug/kg	710	320	1
2-Butanone	390	J	ug/kg	710	160	1
4-Methyl-2-pentanone	ND		ug/kg	710	91.	1
2-Hexanone	ND		ug/kg	710	84.	1
Bromochloromethane	ND		ug/kg	140	15.	1
1,2-Dibromoethane	ND		ug/kg	71	20.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	210	71.	1
Isopropylbenzene	ND		ug/kg	71	7.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	19.	1
Methyl Acetate	530		ug/kg	280	68.	1
Cyclohexane	ND		ug/kg	710	39.	1
1,4-Dioxane	ND		ug/kg	5700	2500	1
Freon-113	ND		ug/kg	280	50.	1
Methyl cyclohexane	ND		ug/kg	280	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-03
Client ID: TP-9 8-9FT
Sample Location: RENSSELAER, NY
Date Collected: 07/27/21 14:15
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/03/21 02:51
Analyst: JC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	0.21	J	ug/kg	1.9	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.87	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
Bromodichloromethane	ND		ug/kg	0.62	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.21	1
Benzene	ND		ug/kg	0.62	0.21	1
Toluene	1.4		ug/kg	1.2	0.68	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.72	1
Vinyl chloride	ND		ug/kg	1.2	0.42	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1
Trichloroethene	ND		ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1

Project Name: BARNET MILLS **Lab Number:** L2140625

Project Number: 21-26694E **Report Date:** 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-03 Date Collected: 07/27/21 14:15

Client ID: TP-9 8-9FT Date Received: 07/28/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	6.0	1
Carbon disulfide	ND		ug/kg	12	5.7	1
2-Butanone	ND		ug/kg	12	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
Methyl Acetate	ND		ug/kg	5.0	1.2	1
Cyclohexane	ND		ug/kg	12	0.68	1
1,4-Dioxane	ND		ug/kg	100	44.	1
Freon-113	ND		ug/kg	5.0	0.86	1
Methyl cyclohexane	ND		ug/kg	5.0	0.75	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-04
Client ID: TP-11 10FT
Sample Location: RENSSELAER, NY
Date Collected: 07/27/21 15:10
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/03/21 03:18
Analyst: JC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	0.19	J	ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.26	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.22	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.22	1
Benzene	0.28	J	ug/kg	0.68	0.22	1
Toluene	2.1		ug/kg	1.4	0.73	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.4	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1
Trichloroethene	ND		ug/kg	0.68	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1

Project Name: BARNET MILLS **Lab Number:** L2140625

Project Number: 21-26694E **Report Date:** 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-04 Date Collected: 07/27/21 15:10

Client ID: TP-11 10FT Date Received: 07/28/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
Styrene	ND		ug/kg	1.4	0.26	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	ND		ug/kg	14	6.5	1
Carbon disulfide	ND		ug/kg	14	6.1	1
2-Butanone	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
Methyl Acetate	ND		ug/kg	5.4	1.3	1
Cyclohexane	ND		ug/kg	14	0.73	1
1,4-Dioxane	ND		ug/kg	110	47.	1
Freon-113	ND		ug/kg	5.4	0.94	1
Methyl cyclohexane	ND		ug/kg	5.4	0.81	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/21 19:01
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1530890-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.14	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/21 19:01
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1530890-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/21 19:01
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1530890-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/03/21 19:50
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1531346-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	14	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/03/21 19:50
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1531346-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/03/21 19:50
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1531346-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1530890-3 WG1530890-4								
Methylene chloride	103		103		70-130	0		30
1,1-Dichloroethane	110		109		70-130	1		30
Chloroform	99		97		70-130	2		30
Carbon tetrachloride	106		104		70-130	2		30
1,2-Dichloropropane	105		104		70-130	1		30
Dibromochloromethane	102		104		70-130	2		30
1,1,2-Trichloroethane	104		107		70-130	3		30
Tetrachloroethene	110		107		70-130	3		30
Chlorobenzene	105		103		70-130	2		30
Trichlorofluoromethane	135		132		70-139	2		30
1,2-Dichloroethane	100		102		70-130	2		30
1,1,1-Trichloroethane	108		106		70-130	2		30
Bromodichloromethane	100		102		70-130	2		30
trans-1,3-Dichloropropene	106		109		70-130	3		30
cis-1,3-Dichloropropene	103		104		70-130	1		30
Bromoform	90		94		70-130	4		30
1,1,2,2-Tetrachloroethane	104		108		70-130	4		30
Benzene	105		103		70-130	2		30
Toluene	106		103		70-130	3		30
Ethylbenzene	108		106		70-130	2		30
Chloromethane	**150**	Q	**143**	Q	52-130	5		30
Bromomethane	136		132		57-147	3		30
Vinyl chloride	**150**	Q	**147**	Q	67-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1530890-3 WG1530890-4								
Chloroethane	128		126		50-151	2		30
1,1-Dichloroethene	115		112		65-135	3		30
trans-1,2-Dichloroethene	109		106		70-130	3		30
Trichloroethene	105		103		70-130	2		30
1,2-Dichlorobenzene	100		100		70-130	0		30
1,3-Dichlorobenzene	103		101		70-130	2		30
1,4-Dichlorobenzene	103		102		70-130	1		30
Methyl tert butyl ether	97		101		66-130	4		30
p/m-Xylene	107		106		70-130	1		30
o-Xylene	106		105		70-130	1		30
cis-1,2-Dichloroethene	107		106		70-130	1		30
Styrene	106		106		70-130	0		30
Dichlorodifluoromethane	**257**	Q	**242**	Q	30-146	6		30
Acetone	89		96		54-140	8		30
Carbon disulfide	114		112		59-130	2		30
2-Butanone	94		102		70-130	8		30
4-Methyl-2-pentanone	86		93		70-130	8		30
2-Hexanone	92		100		70-130	8		30
Bromochloromethane	100		101		70-130	1		30
1,2-Dibromoethane	103		106		70-130	3		30
1,2-Dibromo-3-chloropropane	83		93		68-130	11		30
Isopropylbenzene	113		109		70-130	4		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1530890-3 WG1530890-4								
1,2,4-Trichlorobenzene	102		102		70-130	0		30
Methyl Acetate	95		103		51-146	8		30
Cyclohexane	118		114		59-142	3		30
1,4-Dioxane	88		97		65-136	10		30
Freon-113	120		116		50-139	3		30
Methyl cyclohexane	114		110		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		100		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1531346-3 WG1531346-4								
Methylene chloride	111		103		70-130	7		30
1,1-Dichloroethane	117		107		70-130	9		30
Chloroform	102		98		70-130	4		30
Carbon tetrachloride	112		101		70-130	10		30
1,2-Dichloropropane	109		102		70-130	7		30
Dibromochloromethane	105		103		70-130	2		30
1,1,2-Trichloroethane	107		105		70-130	2		30
Tetrachloroethene	116		103		70-130	12		30
Chlorobenzene	108		101		70-130	7		30
Trichlorofluoromethane	120		110		70-139	9		30
1,2-Dichloroethane	108		105		70-130	3		30
1,1,1-Trichloroethane	115		104		70-130	10		30
Bromodichloromethane	104		100		70-130	4		30
trans-1,3-Dichloropropene	116		113		70-130	3		30
cis-1,3-Dichloropropene	109		104		70-130	5		30
Bromoform	93		93		70-130	0		30
1,1,2,2-Tetrachloroethane	106		104		70-130	2		30
Benzene	107		98		70-130	9		30
Toluene	109		101		70-130	8		30
Ethylbenzene	112		103		70-130	8		30
Chloromethane	**147**	Q	128		52-130	14		30
Bromomethane	130		117		57-147	11		30
Vinyl chloride	**144**	Q	125		67-130	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1531346-3 WG1531346-4								
Chloroethane	113		102		50-151	10		30
1,1-Dichloroethene	124		110		65-135	12		30
trans-1,2-Dichloroethene	114		102		70-130	11		30
Trichloroethene	109		100		70-130	9		30
1,2-Dichlorobenzene	106		100		70-130	6		30
1,3-Dichlorobenzene	108		99		70-130	9		30
1,4-Dichlorobenzene	107		100		70-130	7		30
Methyl tert butyl ether	106		103		66-130	3		30
p/m-Xylene	111		103		70-130	7		30
o-Xylene	109		101		70-130	8		30
cis-1,2-Dichloroethene	109		101		70-130	8		30
Styrene	109		102		70-130	7		30
Dichlorodifluoromethane	**243**	Q	**213**	Q	30-146	13		30
Acetone	97		101		54-140	4		30
Carbon disulfide	124		109		59-130	13		30
2-Butanone	91		95		70-130	4		30
4-Methyl-2-pentanone	89		92		70-130	3		30
2-Hexanone	98		104		70-130	6		30
Bromochloromethane	103		97		70-130	6		30
1,2-Dibromoethane	108		106		70-130	2		30
1,2-Dibromo-3-chloropropane	85		90		68-130	6		30
Isopropylbenzene	117		106		70-130	10		30
1,2,3-Trichlorobenzene	106		102		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1531346-3 WG1531346-4								
1,2,4-Trichlorobenzene	110		102		70-130	8		30
Methyl Acetate	95		99		51-146	4		30
Cyclohexane	125		111		59-142	12		30
1,4-Dioxane	90		93		65-136	3		30
Freon-113	131		116		50-139	12		30
Methyl cyclohexane	116		103		70-130	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		101		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	105		103		70-130
Dibromofluoromethane	98		96		70-130

SEMIVOLATILES

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-01
Client ID: TP-1 6-8FT
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:40
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/02/21 15:00
Analyst: SLR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/31/21 18:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Fluoranthene	ND		ug/kg	110	22.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	19	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	32		23-120
2-Fluorobiphenyl	**28**	Q	30-120
4-Terphenyl-d14	25		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-02
Client ID: TP-1 8-10FT
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:50
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/02/21 15:24
Analyst: SLR
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 07/31/21 18:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
Fluoranthene	44	J	ug/kg	130	25.	1
Benzo(a)anthracene	31	J	ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1
Benzo(b)fluoranthene	62	J	ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	110	J	ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	26	J	ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	43	J	ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	31.	1
Pyrene	45	J	ug/kg	130	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	61		30-120
4-Terphenyl-d14	55		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-03
Client ID: TP-9 8-9FT
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:15
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/02/21 15:48
Analyst: SLR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 07/31/21 18:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Fluoranthene	240		ug/kg	110	22.	1
Benzo(a)anthracene	120		ug/kg	110	21.	1
Benzo(a)pyrene	89	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	120		ug/kg	110	32.	1
Benzo(k)fluoranthene	49	J	ug/kg	110	30.	1
Chrysene	120		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	48	J	ug/kg	110	37.	1
Benzo(ghi)perylene	52	J	ug/kg	150	22.	1
Fluorene	19	J	ug/kg	190	18.	1
Phenanthrene	180		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	56	J	ug/kg	150	26.	1
Pyrene	190		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	82		30-120
4-Terphenyl-d14	80		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-04
Client ID: TP-11 10FT
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:10
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/02/21 16:12
Analyst: SLR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 07/31/21 18:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	64	J	ug/kg	120	23.	1
Benzo(a)anthracene	44	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	61	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	40	J	ug/kg	120	32.	1
Chrysene	65	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	40	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	78	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	36	J	ug/kg	160	28.	1
Pyrene	57	J	ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	69		30-120
4-Terphenyl-d14	61		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/02/21 23:38
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 07/30/21 23:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1530063-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	99	19.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	101		30-120
2,4,6-Tribromophenol	114		10-136
4-Terphenyl-d14	119		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1530063-2 WG1530063-3								
Acenaphthene	94		92		31-137	2		50
Fluoranthene	99		95		40-140	4		50
Benzo(a)anthracene	99		97		40-140	2		50
Benzo(a)pyrene	102		98		40-140	4		50
Benzo(b)fluoranthene	95		92		40-140	3		50
Benzo(k)fluoranthene	107		104		40-140	3		50
Chrysene	89		87		40-140	2		50
Acenaphthylene	98		96		40-140	2		50
Anthracene	95		91		40-140	4		50
Benzo(ghi)perylene	97		94		40-140	3		50
Fluorene	96		95		40-140	1		50
Phenanthrene	94		90		40-140	4		50
Dibenzo(a,h)anthracene	103		101		40-140	2		50
Indeno(1,2,3-cd)pyrene	93		91		40-140	2		50
Pyrene	98		93		35-142	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	90		89		25-120
Phenol-d6	91		92		10-120
Nitrobenzene-d5	87		90		23-120
2-Fluorobiphenyl	93		92		30-120
2,4,6-Tribromophenol	106		105		10-136
4-Terphenyl-d14	106		103		18-120

PCBS

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-01 D
Client ID: TP-1 6-8FT
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:40
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/02/21 11:28
Analyst: JM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/31/21 16:56
Cleanup Method: EPA 3665A
Cleanup Date: 08/01/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	183	16.3	5	A
Aroclor 1221	ND		ug/kg	183	18.4	5	A
Aroclor 1232	ND		ug/kg	183	38.9	5	A
Aroclor 1242	ND		ug/kg	183	24.7	5	A
Aroclor 1248	ND		ug/kg	183	27.5	5	A
Aroclor 1254	ND		ug/kg	183	20.0	5	A
Aroclor 1260	ND		ug/kg	183	33.9	5	A
Aroclor 1262	ND		ug/kg	183	23.3	5	A
Aroclor 1268	748		ug/kg	183	19.0	5	B
PCBs, Total	748		ug/kg	183	16.3	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	**1230**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	**1320**	Q	30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-02 D
Client ID: TP-1 8-10FT
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:50
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/02/21 11:35
Analyst: JM
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 07/31/21 16:56
Cleanup Method: EPA 3665A
Cleanup Date: 08/01/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	222	19.7	5	A
Aroclor 1221	ND		ug/kg	222	22.2	5	A
Aroclor 1232	ND		ug/kg	222	47.0	5	A
Aroclor 1242	ND		ug/kg	222	29.9	5	A
Aroclor 1248	ND		ug/kg	222	33.3	5	A
Aroclor 1254	ND		ug/kg	222	24.3	5	A
Aroclor 1260	ND		ug/kg	222	41.0	5	A
Aroclor 1262	ND		ug/kg	222	28.2	5	A
Aroclor 1268	1300		ug/kg	222	23.0	5	B
PCBs, Total	1300		ug/kg	222	19.7	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	**1880**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	**2050**	Q	30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-03
Client ID: TP-9 8-9FT
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 14:15
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/03/21 10:05
Analyst: JM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 07/31/21 16:56
Cleanup Method: EPA 3665A
Cleanup Date: 08/01/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	3.30	1	A
Aroclor 1221	ND		ug/kg	37.1	3.72	1	A
Aroclor 1232	ND		ug/kg	37.1	7.88	1	A
Aroclor 1242	ND		ug/kg	37.1	5.01	1	A
Aroclor 1248	ND		ug/kg	37.1	5.57	1	A
Aroclor 1254	ND		ug/kg	37.1	4.06	1	A
Aroclor 1260	ND		ug/kg	37.1	6.86	1	A
Aroclor 1262	ND		ug/kg	37.1	4.72	1	A
Aroclor 1268	78.3		ug/kg	37.1	3.85	1	A
PCBs, Total	78.3		ug/kg	37.1	3.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	**201**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	**217**	Q	30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-04 D
Client ID: TP-11 10FT
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:10
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/03/21 02:07
Analyst: JM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 07/31/21 16:56
Cleanup Method: EPA 3665A
Cleanup Date: 08/01/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/01/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	766	68.0	20	A
Aroclor 1221	ND		ug/kg	766	76.7	20	A
Aroclor 1232	ND		ug/kg	766	162.	20	A
Aroclor 1242	ND		ug/kg	766	103.	20	A
Aroclor 1248	ND		ug/kg	766	115.	20	A
Aroclor 1254	ND		ug/kg	766	83.8	20	A
Aroclor 1260	ND		ug/kg	766	142.	20	A
Aroclor 1262	ND		ug/kg	766	97.3	20	A
Aroclor 1268	1830		ug/kg	766	79.4	20	B
PCBs, Total	1830		ug/kg	766	68.0	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/01/21 23:05
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 07/31/21 08:26
Cleanup Method: EPA 3665A
Cleanup Date: 07/31/21
Cleanup Method: EPA 3660B
Cleanup Date: 07/31/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1530122-1						
Aroclor 1016	ND		ug/kg	32.4	2.88	A
Aroclor 1221	ND		ug/kg	32.4	3.24	A
Aroclor 1232	ND		ug/kg	32.4	6.86	A
Aroclor 1242	ND		ug/kg	32.4	4.36	A
Aroclor 1248	ND		ug/kg	32.4	4.86	A
Aroclor 1254	ND		ug/kg	32.4	3.54	A
Aroclor 1260	ND		ug/kg	32.4	5.98	A
Aroclor 1262	ND		ug/kg	32.4	4.11	A
Aroclor 1268	ND		ug/kg	32.4	3.35	A
PCBs, Total	ND		ug/kg	32.4	2.88	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1530122-2 WG1530122-3									
Aroclor 1016	72		71		40-140	1		50	A
Aroclor 1260	68		67		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		68		30-150	A
Decachlorobiphenyl	67		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		66		30-150	B
Decachlorobiphenyl	68		72		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-01
Client ID: TP-1 6-8FT
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:40
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	07/29/21 11:54	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-02
Client ID: TP-1 8-10FT
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 09:50
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.8		%	0.100	NA	1	-	07/29/21 11:54	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-03
Client ID: TP-9 8-9FT
Sample Location: RENSSELAER, NY
Sample Depth:
Matrix: Soil
Date Collected: 07/27/21 14:15
Date Received: 07/28/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	07/29/21 11:54	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

SAMPLE RESULTS

Lab ID: L2140625-04
Client ID: TP-11 10FT
Sample Location: RENSSELAER, NY

Date Collected: 07/27/21 15:10
Date Received: 07/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	07/29/21 11:54	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2140625

Report Date: 08/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1529388-1 QC Sample: L2140479-01 Client ID: DUP Sample						
Solids, Total	81.8	82.3	%	1		20

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2140625-01A	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		SUB-RCRA8(28)
L2140625-01B	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-01C	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2140625-01X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-01Y	Vial Water preserved split	A	NA		2.6	Y	Absent	**29-JUL-21 12:01**	NYTCL-8260-R2(14)
L2140625-01Z	Vial Water preserved split	A	NA		2.6	Y	Absent	**29-JUL-21 12:01**	NYTCL-8260-R2(14)
L2140625-02A	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		SUB-RCRA8(28)
L2140625-02B	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-02C	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2140625-02X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-02Y	Vial Water preserved split	A	NA		2.6	Y	Absent	**29-JUL-21 12:01**	NYTCL-8260-R2(14)
L2140625-02Z	Vial Water preserved split	A	NA		2.6	Y	Absent	**29-JUL-21 12:01**	NYTCL-8260-R2(14)
L2140625-03A	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		SUB-RCRA8(28)
L2140625-03B	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-03C	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2140625-03X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-03Y	Vial Water preserved split	A	NA		2.6	Y	Absent	29-JUL-21 12:01	NYTCL-8260-R2(14)
L2140625-03Z	Vial Water preserved split	A	NA		2.6	Y	Absent	29-JUL-21 12:01	NYTCL-8260-R2(14)
L2140625-04A	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		SUB-RCRA8(28)
L2140625-04B	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-04C	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2140625-04X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2140625-04Y	Vial Water preserved split	A	NA		2.6	Y	Absent	29-JUL-21 12:01	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2140625
Report Date: 08/05/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2140625-04Z	Vial Water preserved split	A	NA		2.6	Y	Absent	29-JUL-21 12:01	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	BARNET MILLS	**Lab Number:**	L2140625
Project Number:	21-26694E	**Report Date:**	08/05/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BARNET MILLS	**Lab Number:**	L2140625
Project Number:	21-26694E	**Report Date:**	08/05/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BARNET MILLS	**Lab Number:**	L2140625
Project Number:	21-26694E	**Report Date:**	08/05/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BARNET MILLS	**Lab Number:**	L2140625
Project Number:	21-26694E	**Report Date:**	08/05/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 7/29/21

ALPHA Job #: L2141625

Client Information
Client: Alpine Environmental Services Inc
Address: 438 New Karner Road
Albany NY 12205
Phone: 518-588-2104
Fax:
Email: KimB@AlpineEnv.com

Project Information
Project Name: Barnet Mills
Project Location: Rensselaer NY
Project #: 21-26694E
(Use Project name as Project #)
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard [✓]
Rush (only if pre approved) [ ]
Due Date:
# of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Billing Information
[✓] Same as Client Info
PO # Attn. Mark Schnitzer

Regulatory Requirement
[ ] NY TOGS [✓] NY Part 375
[ ] AWQ Standards [✓] NY CP-51
[ ] NY Restricted Use [✓] Other
[✓] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other: NA

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] one
[ ] ab to do
Preservation
[ ] ab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260	8270 CP-51	8082 PCBs Total	RCRA Metals					Total Bottles	Sample Specific Comments
40625-01	TP-1 6-8 Ft	7/27/21	9:40	Soil	KB	X	X	X	X						
-02	TP-1 8-10 Ft	7/27/21	9:50	Soil	KB	X	X	X	X						
-03	TP-9 8-9 Ft	7/27/21	14:15	Soil	KB	X	X	X	X						
-04	TP-11 10 Ft	7/27/21	15:10	Soil	KB	X	X	X	X						

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Kim L. Baines	7/28/21 12:42		7/28/21 12:42
	7/29/21 12:55		7/29/21 08:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

PHOENIX
Environmental Laboratories, Inc.

Thursday, August 05, 2021

Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Project ID: **L2140625**
SDG ID: **GCI85109**
Sample ID#s: CI85109 - CI85112

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

August 05, 2021

SDG I.D.: GCI85109

Project ID: L2140625

Client Id	Lab Id	Matrix
TP-1 6-8FT	CI85109	SOIL
TP-1 8-10FT	CI85110	SOIL
TP-9 8-9FT	CI85111	SOIL
TP-11 10FT	CI85112	SOIL

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 05, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/27/21	9:40
Location Code:	ALPHA	Received by:	SW	07/30/21	11:15
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI85109
Phoenix ID: CI85109

Project ID: L2140625
Client ID: TP-1 6-8FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	0.53	0.40	mg/Kg	1	08/03/21	EK	SW6010D
Arsenic	6.52	0.80	mg/Kg	1	08/03/21	CPP	SW6010D
Barium	82.9	0.40	mg/Kg	1	08/03/21	CPP	SW6010D
Cadmium	1.49	0.40	mg/Kg	1	08/03/21	CPP	SW6010D
Chromium	86.3	0.40	mg/Kg	1	08/03/21	CPP	SW6010D
Mercury	0.22	0.03	mg/Kg	2	08/02/21	AT	SW7471B
Lead	75.3	0.40	mg/Kg	1	08/03/21	CPP	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	08/03/21	CPP	SW6010D
Percent Solid	80		%		07/30/21	AR	SW846-%Solid
Sample Disposal	Completed				07/30/21		
Mercury Digestion	Completed				08/02/21	KL/AB/AB	SW7471B
Total Metals Digest	Completed				07/30/21	M\AG/E	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
August 05, 2021
Reviewed and Released by: Rashmi Makol, Project Manager

Ver 1

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 05, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/27/21	9:50
Location Code:	ALPHA	Received by:	SW	07/30/21	11:15
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI85109
Phoenix ID: CI85110

Project ID: L2140625
Client ID: TP-1 8-10FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	0.81	0.43	mg/Kg	1	08/03/21	EK	SW6010D
Arsenic	7.36	0.85	mg/Kg	1	08/03/21	CPP	SW6010D
Barium	123	0.43	mg/Kg	1	08/03/21	CPP	SW6010D
Cadmium	1.56	0.43	mg/Kg	1	08/03/21	CPP	SW6010D
Chromium	105	0.43	mg/Kg	1	08/03/21	CPP	SW6010D
Mercury	0.45	0.03	mg/Kg	2	08/03/21	AT	SW7471B
Lead	158	0.43	mg/Kg	1	08/03/21	CPP	SW6010D
Selenium	< 1.7	1.7	mg/Kg	1	08/03/21	CPP	SW6010D
Percent Solid	78		%		07/30/21	AR	SW846-%Solid
Sample Disposal	Completed				07/30/21		
Mercury Digestion	Completed				08/02/21	KL/AB/AB	SW7471B
Total Metals Digest	Completed				07/30/21	M\AG/E	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
August 05, 2021
Reviewed and Released by: Rashmi Makol, Project Manager

Ver 1

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 05, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/27/21	14:15
Location Code:	ALPHA	Received by:	SW	07/30/21	11:15
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI85109
Phoenix ID: CI85111

Project ID: L2140625
Client ID: TP-9 8-9FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	08/03/21	CPP	SW6010D
Arsenic	7.80	0.74	mg/Kg	1	08/03/21	CPP	SW6010D
Barium	99.0	0.37	mg/Kg	1	08/03/21	CPP	SW6010D
Cadmium	1.48	0.37	mg/Kg	1	08/03/21	CPP	SW6010D
Chromium	31.8	0.37	mg/Kg	1	08/03/21	CPP	SW6010D
Mercury	0.18	0.03	mg/Kg	2	08/03/21	AT	SW7471B
Lead	81.6	0.37	mg/Kg	1	08/03/21	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	08/03/21	CPP	SW6010D
Percent Solid	85		%		07/30/21	AR	SW846-%Solid
Sample Disposal	Completed				07/30/21		
Mercury Digestion	Completed				08/02/21	KL/AB/AB	SW7471B
Total Metals Digest	Completed				07/30/21	M\AG/E	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director
August 05, 2021
Reviewed and Released by: Rashmi Makol, Project Manager

Ver 1

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 05, 2021

FOR: Attn: Melissa Deyo
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		07/27/21	15:10
Location Code:	ALPHA	Received by:	SW	07/30/21	11:15
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCI85109
Phoenix ID: CI85112

Project ID: L2140625
Client ID: TP-11 10FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	2.76	0.44	mg/Kg	1	08/03/21	EK	SW6010D
Arsenic	14.5	0.87	mg/Kg	1	08/03/21	CPP	SW6010D
Barium	476	0.44	mg/Kg	1	08/03/21	CPP	SW6010D
Cadmium	3.83	0.44	mg/Kg	1	08/03/21	CPP	SW6010D
Chromium	277	4.4	mg/Kg	10	08/04/21	EK	SW6010D
Mercury	0.26	0.03	mg/Kg	2	08/03/21	AT	SW7471B
Lead	552	0.44	mg/Kg	1	08/03/21	CPP	SW6010D
Selenium	< 1.7	1.7	mg/Kg	1	08/03/21	CPP	SW6010D
Percent Solid	82		%		07/30/21	AR	SW846-%Solid
Sample Disposal	Completed				07/30/21		
Mercury Digestion	Completed				08/02/21	KL/AB/AB	SW7471B
Total Metals Digest	Completed				07/30/21	M\AG/E	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director
August 05, 2021
Reviewed and Released by: Rashmi Makol, Project Manager

Ver 1

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

August 05, 2021

QA/QC Data

SDG I.D.: GCI85109

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 585923 (mg/kg), QC Sample No: CI84784 (CI85109)													
Mercury - Soil	BRL	0.03	0.14	0.33	NC	129	122	5.6				70 - 130	30
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.													
QA/QC Batch 585924 (mg/kg), QC Sample No: CI85283 2X (CI85110, CI85111, CI85112)													
Mercury - Soil	BRL	0.03	<0.03	<0.03	NC	103	97.3	5.7	104	93.7	10.4	70 - 130	30
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.													
QA/QC Batch 585775 (mg/kg), QC Sample No: CI85073 (CI85109, CI85110, CI85111, CI85112)													
ICP Metals - Soil													
Arsenic	BRL	0.67	7.27	8.73	18.3	111	105	5.6	94.6			75 - 125	35
Barium	BRL	0.33	37.9	43.9	14.7	112	103	8.4	99.8			75 - 125	35
Cadmium	BRL	0.33	0.81	0.81	NC	107	104	2.8	98.5			75 - 125	35
Chromium	BRL	0.33	19.5	15.5	22.9	108	101	6.7	94.0			75 - 125	35
Lead	BRL	0.33	44.2	35.9	20.7	114	106	7.3	97.0			75 - 125	35
Selenium	BRL	1.3	<1.5	<1.3	NC	103	100	3.0	94.2			75 - 125	35
Silver	BRL	0.33	<0.38	<0.33	NC	103	97.9	5.1	93.7			75 - 125	35
Comment:													
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.													

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
August 05, 2021

Thursday, August 05, 2021

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCI85109 - ALPHA

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

August 05, 2021 SDG I.D.: GCI85109

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

August 05, 2021

SDG I.D.: GCI85109

The samples in this delivery group were received at 1.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

WCice 1.0

Subcontract Chain of Custody

Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040

Alpha Job Number
L2140625

Client Information

Client: Alpha Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Phone: 716.427.5229
Email: mdeyo@alphalab.com

Project Information

Project Location: NY
Project Manager: Melissa Deyo

Turnaround & Deliverables Information

Due Date: 08/05/21
Deliverables:

Regulatory Requirements/Report Limits

State/Federal Program: NYDOH
Regulatory Criteria:

Project Specific Requirements and/or Report Requirements

Reference following Alpha Job Number on final report/deliverables: L2140625

Report to include Method Blank, LCS/LCSD:

Additional Comments: Send all results/reports to subreports@alphalab.com

Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
85109	TP-1 6-8FT	07-27-21 09:40	SOIL	Total RCRA8 Metals - EPA 6010D/7471	
85110	TP-1 8-10FT	07-27-21 09:50	SOIL	Total RCRA8 Metals - EPA 6010D/7471	
85111	TP-9 8-9FT	07-27-21 14:15	SOIL	Total RCRA8 Metals - EPA 6010D/7471	
85112	TP-11 10FT	07-27-21 15:10	SOIL	Total RCRA8 Metals - EPA 6010D/7471	

Relinquished By:	Date/Time:	Received By:	Date/Time:
7/30/21	~~7/29/21~~	DHANSHAL	7-30-21 9:25
M-30-21 10:40			7/30 1115

Form No: AL_subcoc

Serial_No:08052119:53

SOIL AND GROUNDWATER SAMPLES FROM DRILLED BORINGS AND WELLS

ANALYTICAL REPORT

Lab Number:	L2144034
Client:	Alpine Environmental 438 New Karner Road Albany, NY 12205
ATTN:	Kim Baines
Phone:	(518) 250-4047
Project Name:	BARNET MILLS
Project Number:	21-26694E
Report Date:	08/24/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2144034-01	B-1 10-15'	SOIL	RENSSELAER, NY	08/09/21 09:30	08/17/21
L2144034-02	B-2 10-15'	SOIL	RENSSELAER, NY	08/09/21 11:00	08/17/21
L2144034-03	B-7 4-5'	SOIL	RENSSELAER, NY	08/10/21 11:05	08/17/21
L2144034-04	B-8 4-5'	SOIL	RENSSELAER, NY	08/10/21 11:30	08/17/21
L2144034-05	B-13 10-15'	SOIL	RENSSELAER, NY	08/11/21 10:40	08/17/21
L2144034-06	B-19 15-20'	SOIL	RENSSELAER, NY	08/12/21 11:15	08/17/21
L2144034-07	B-20 16-18'	SOIL	RENSSELAER, NY	08/12/21 14:00	08/17/21

Project Name:	BARNET MILLS	**Lab Number:**	L2144034
Project Number:	21-26694E	**Report Date:**	08/24/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	BARNET MILLS	**Lab Number:**	L2144034
Project Number:	21-26694E	**Report Date:**	08/24/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2144034-01 through -07: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L2144034-01: The surrogate recovery is outside the acceptance criteria for toluene-d8 (141%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2144034-05: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (133%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Semivolatile Organics

L2144034-04: The sample has elevated detection limits due to limited sample volume available for analysis.

L2144034-05, -06, and -07: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

PCBs

L2144034-01 through -07: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Jennifer L Clements

Title: Technical Director/Representative Date: 08/24/21

ORGANICS

VOLATILES

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-01
Client ID: B-1 10-15'
Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 09:30
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/21 00:38
Analyst: AJK
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	0.73		ug/kg	0.53	0.18	1
Toluene	1.3		ug/kg	1.1	0.58	1
Ethylbenzene	3.5		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.53	0.15	1

Project Name: BARNET MILLS **Lab Number:** L2144034

Project Number: 21-26694E **Report Date:** 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-01 Date Collected: 08/09/21 09:30

Client ID: B-1 10-15' Date Received: 08/17/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	1.3	J	ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	5.4		ug/kg	2.1	0.60	1
o-Xylene	1.4		ug/kg	1.1	0.31	1
Xylenes, Total	6.8		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	20		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
n-Butylbenzene	37		ug/kg	1.1	0.18	1
sec-Butylbenzene	56		ug/kg	1.1	0.16	1
tert-Butylbenzene	8.8		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	29		ug/kg	1.1	0.12	1
p-Isopropyltoluene	13		ug/kg	1.1	0.12	1
Naphthalene	70		ug/kg	4.3	0.69	1
n-Propylbenzene	18		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	33		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	160		ug/kg	2.1	0.36	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	7.7	J	ug/kg	11	0.58	1
1,4-Dioxane	ND		ug/kg	85	37.	1
Freon-113	ND		ug/kg	4.3	0.74	1
Methyl cyclohexane	35		ug/kg	4.3	0.64	1

Project Name: BARNET MILLS
Lab Number: L2144034
Project Number: 21-26694E
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-01
Client ID: B-1 10-15'
Sample Location: RENSSELAER, NY
Date Collected: 08/09/21 09:30
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	**141**	Q	70-130
4-Bromofluorobenzene	78		70-130
Dibromofluoromethane	90		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-02
Client ID: B-2 10-15'
Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 11:00
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/20/21 23:22
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1
Trichloroethene	ND		ug/kg	0.57	0.16	1

Project Name: BARNET MILLS **Lab Number:** L2144034

Project Number: 21-26694E **Report Date:** 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-02 Date Collected: 08/09/21 11:00

Client ID: B-2 10-15' Date Received: 08/17/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	0.16	J	ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	20		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
n-Butylbenzene	3.1		ug/kg	1.1	0.19	1
sec-Butylbenzene	5.0		ug/kg	1.1	0.17	1
tert-Butylbenzene	0.73	J	ug/kg	2.3	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Isopropylbenzene	0.80	J	ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.25	J	ug/kg	1.1	0.12	1
Naphthalene	1.9	J	ug/kg	4.6	0.74	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	0.40	J	ug/kg	2.3	0.38	1
Methyl Acetate	ND		ug/kg	4.6	1.1	1
Cyclohexane	3.1	J	ug/kg	11	0.62	1
1,4-Dioxane	ND		ug/kg	91	40.	1
Freon-113	ND		ug/kg	4.6	0.79	1
Methyl cyclohexane	12		ug/kg	4.6	0.69	1

Project Name: BARNET MILLS **Lab Number:** L2144034

Project Number: 21-26694E **Report Date:** 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-02 Date Collected: 08/09/21 11:00

Client ID: B-2 10-15' Date Received: 08/17/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-03
Client ID: B-7 4-5'
Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:05
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/21 01:04
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	0.87	J	ug/kg	1.1	0.58	1
Ethylbenzene	0.31	J	ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.54	0.15	1

Project Name: BARNET MILLS **Lab Number:** L2144034

Project Number: 21-26694E **Report Date:** 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-03 Date Collected: 08/10/21 11:05

Client ID: B-7 4-5' Date Received: 08/17/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	1.0	J	ug/kg	2.2	0.15	1
1,3-Dichlorobenzene	0.22	J	ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	0.35	J	ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	0.54	J	ug/kg	1.1	0.31	1
Xylenes, Total	0.54	J	ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	34		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
n-Butylbenzene	6.1		ug/kg	1.1	0.18	1
sec-Butylbenzene	16		ug/kg	1.1	0.16	1
tert-Butylbenzene	2.2		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	2.0		ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.28	J	ug/kg	1.1	0.12	1
Naphthalene	6.4		ug/kg	4.3	0.70	1
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	0.57	J	ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	3.0		ug/kg	2.2	0.36	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	0.60	J	ug/kg	11	0.58	1
1,4-Dioxane	ND		ug/kg	86	38.	1
Freon-113	ND		ug/kg	4.3	0.74	1
Methyl cyclohexane	8.5		ug/kg	4.3	0.65	1

Project Name: BARNET MILLS **Lab Number:** L2144034

Project Number: 21-26694E **Report Date:** 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-03 Date Collected: 08/10/21 11:05

Client ID: B-7 4-5' Date Received: 08/17/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	97		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-04
Client ID: B-8 4-5'
Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:30
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/21 01:29
Analyst: AJK
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	0.40	J	ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.75	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1
Trichloroethene	ND		ug/kg	0.64	0.18	1

Project Name: BARNET MILLS **Lab Number:** L2144034

Project Number: 21-26694E **Report Date:** 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-04 Date Collected: 08/10/21 11:30

Client ID: B-8 4-5' Date Received: 08/17/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	77		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	2.0		ug/kg	1.3	0.19	1
tert-Butylbenzene	0.79	J	ug/kg	2.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Isopropylbenzene	0.27	J	ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	14		ug/kg	5.1	0.84	1
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	0.52	J	ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	0.76	J	ug/kg	2.6	0.43	1
Methyl Acetate	ND		ug/kg	5.1	1.2	1
Cyclohexane	0.72	J	ug/kg	13	0.70	1
1,4-Dioxane	ND		ug/kg	100	45.	1
Freon-113	ND		ug/kg	5.1	0.89	1
Methyl cyclohexane	2.4	J	ug/kg	5.1	0.78	1

Project Name: BARNET MILLS **Lab Number:** L2144034

Project Number: 21-26694E **Report Date:** 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-04 Date Collected: 08/10/21 11:30

Client ID: B-8 4-5' Date Received: 08/17/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	128		70-130
Dibromofluoromethane	104		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-05
Client ID: B-13 10-15'
Sample Location: RENSSELAER, NY

Date Collected: 08/11/21 10:40
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/21 08:05
Analyst: MV
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.53	0.14	1

Project Name: BARNET MILLS **Lab Number:** L2144034

Project Number: 21-26694E **Report Date:** 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-05 Date Collected: 08/11/21 10:40

Client ID: B-13 10-15' Date Received: 08/17/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.14	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.97	1
Acetone	ND		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
n-Butylbenzene	0.28	J	ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1

Project Name: BARNET MILLS **Lab Number:** L2144034

Project Number: 21-26694E **Report Date:** 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-05 Date Collected: 08/11/21 10:40

Client ID: B-13 10-15' Date Received: 08/17/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	**133**	Q	70-130
Dibromofluoromethane	112		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-06
Client ID: B-19 15-20'
Sample Location: RENSSELAER, NY
Date Collected: 08/12/21 11:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/20/21 23:47
Analyst: AJK
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	0.37	J	ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.50	0.14	1

Project Name: BARNET MILLS **Lab Number:** L2144034

Project Number: 21-26694E **Report Date:** 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-06 Date Collected: 08/12/21 11:15

Client ID: B-19 15-20' Date Received: 08/17/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	13		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	0.40	J	ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	0.14	J	ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
n-Propylbenzene	0.22	J	ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	0.34	J	ug/kg	2.0	0.34	1
Methyl Acetate	ND		ug/kg	4.0	0.96	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	81	35.	1
Freon-113	ND		ug/kg	4.0	0.70	1
Methyl cyclohexane	0.93	J	ug/kg	4.0	0.61	1

Project Name: BARNET MILLS
Lab Number: L2144034
Project Number: 21-26694E
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-06
Client ID: B-19 15-20'
Sample Location: RENSSELAER, NY
Date Collected: 08/12/21 11:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	101		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-07
Client ID: B-20 16-18'
Sample Location: RENSSELAER, NY
Date Collected: 08/12/21 14:00
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/21 00:13
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	0.34	J	ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.52	0.14	1

Project Name: BARNET MILLS **Lab Number:** L2144034

Project Number: 21-26694E **Report Date:** 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-07 Date Collected: 08/12/21 14:00

Client ID: B-20 16-18' Date Received: 08/17/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	9.7	J	ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	0.33	J	ug/kg	1.0	0.15	1
tert-Butylbenzene	0.58	J	ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	1.8	J	ug/kg	4.2	0.68	1
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	0.44	J	ug/kg	2.1	0.35	1
Methyl Acetate	ND		ug/kg	4.2	1.0	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	84	37.	1
Freon-113	ND		ug/kg	4.2	0.73	1
Methyl cyclohexane	0.71	J	ug/kg	4.2	0.63	1

Project Name: BARNET MILLS **Lab Number:** L2144034

Project Number: 21-26694E **Report Date:** 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-07 Date Collected: 08/12/21 14:00

Client ID: B-20 16-18' Date Received: 08/17/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	103		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/20/21 18:42
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1537858-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/20/21 18:42
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1537858-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	0.28	J	ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	0.16	J	ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.56	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.47	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/20/21 18:42
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1537858-5					
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	95		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/21 05:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1538254-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/21 05:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1538254-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	0.22	J	ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	0.11	J	ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.59	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.44	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/21 05:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1538254-5					
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1537858-3 WG1537858-4								
Methylene chloride	101		99		70-130	2		30
1,1-Dichloroethane	101		99		70-130	2		30
Chloroform	97		96		70-130	1		30
Carbon tetrachloride	110		109		70-130	1		30
1,2-Dichloropropane	100		100		70-130	0		30
Dibromochloromethane	108		108		70-130	0		30
1,1,2-Trichloroethane	102		101		70-130	1		30
Tetrachloroethene	113		112		70-130	1		30
Chlorobenzene	102		102		70-130	0		30
Trichlorofluoromethane	114		112		70-139	2		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	108		105		70-130	3		30
Bromodichloromethane	103		104		70-130	1		30
trans-1,3-Dichloropropene	104		104		70-130	0		30
cis-1,3-Dichloropropene	109		110		70-130	1		30
Bromoform	100		104		70-130	4		30
1,1,2,2-Tetrachloroethane	94		95		70-130	1		30
Benzene	104		103		70-130	1		30
Toluene	100		98		70-130	2		30
Ethylbenzene	98		97		70-130	1		30
Chloromethane	104		101		52-130	3		30
Bromomethane	122		115		57-147	6		30
Vinyl chloride	103		99		67-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1537858-3 WG1537858-4								
Chloroethane	91		91		50-151	0		30
1,1-Dichloroethene	108		107		65-135	1		30
trans-1,2-Dichloroethene	107		104		70-130	3		30
Trichloroethene	110		109		70-130	1		30
1,2-Dichlorobenzene	98		99		70-130	1		30
1,3-Dichlorobenzene	101		100		70-130	1		30
1,4-Dichlorobenzene	99		98		70-130	1		30
Methyl tert butyl ether	106		107		66-130	1		30
p/m-Xylene	108		106		70-130	2		30
o-Xylene	96		95		70-130	1		30
cis-1,2-Dichloroethene	102		101		70-130	1		30
Styrene	100		100		70-130	0		30
Dichlorodifluoromethane	93		91		30-146	2		30
Acetone	104		108		54-140	4		30
Carbon disulfide	95		92		59-130	3		30
2-Butanone	91		89		70-130	2		30
4-Methyl-2-pentanone	106		109		70-130	3		30
2-Hexanone	91		91		70-130	0		30
Bromochloromethane	104		102		70-130	2		30
1,2-Dibromoethane	98		97		70-130	1		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	100		99		70-130	1		30
tert-Butylbenzene	101		100		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1537858-3 WG1537858-4								
1,2-Dibromo-3-chloropropane	98		103		68-130	5		30
Isopropylbenzene	100		100		70-130	0		30
p-Isopropyltoluene	101		101		70-130	0		30
Naphthalene	94		97		70-130	3		30
n-Propylbenzene	100		100		70-130	0		30
1,2,3-Trichlorobenzene	98		100		70-130	2		30
1,2,4-Trichlorobenzene	100		103		70-130	3		30
1,3,5-Trimethylbenzene	100		100		70-130	0		30
1,2,4-Trimethylbenzene	99		99		70-130	0		30
Methyl Acetate	100		103		51-146	3		30
Cyclohexane	107		107		59-142	0		30
1,4-Dioxane	113		116		65-136	3		30
Freon-113	119		115		50-139	3		30
Methyl cyclohexane	116		116		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		92		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	93		93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1538254-3 WG1538254-4								
Methylene chloride	103		102		70-130	1		30
1,1-Dichloroethane	103		103		70-130	0		30
Chloroform	100		101		70-130	1		30
Carbon tetrachloride	120		118		70-130	2		30
1,2-Dichloropropane	95		99		70-130	4		30
Dibromochloromethane	104		108		70-130	4		30
1,1,2-Trichloroethane	88		94		70-130	7		30
Tetrachloroethene	111		111		70-130	0		30
Chlorobenzene	100		101		70-130	1		30
Trichlorofluoromethane	124		121		70-139	2		30
1,2-Dichloroethane	95		98		70-130	3		30
1,1,1-Trichloroethane	114		113		70-130	1		30
Bromodichloromethane	104		106		70-130	2		30
trans-1,3-Dichloropropene	98		100		70-130	2		30
cis-1,3-Dichloropropene	105		110		70-130	5		30
Bromoform	97		97		70-130	0		30
1,1,2,2-Tetrachloroethane	84		86		70-130	2		30
Benzene	103		104		70-130	1		30
Toluene	97		96		70-130	1		30
Ethylbenzene	98		98		70-130	0		30
Chloromethane	105		106		52-130	1		30
Bromomethane	142		135		57-147	5		30
Vinyl chloride	107		103		67-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1538254-3 WG1538254-4								
Chloroethane	108		105		50-151	3		30
1,1-Dichloroethene	111		110		65-135	1		30
trans-1,2-Dichloroethene	111		107		70-130	4		30
Trichloroethene	108		111		70-130	3		30
1,2-Dichlorobenzene	99		98		70-130	1		30
1,3-Dichlorobenzene	103		101		70-130	2		30
1,4-Dichlorobenzene	101		98		70-130	3		30
Methyl tert butyl ether	98		100		66-130	2		30
p/m-Xylene	106		106		70-130	0		30
o-Xylene	94		95		70-130	1		30
cis-1,2-Dichloroethene	104		104		70-130	0		30
Styrene	99		99		70-130	0		30
Dichlorodifluoromethane	98		95		30-146	3		30
Acetone	85		96		54-140	12		30
Carbon disulfide	97		95		59-130	2		30
2-Butanone	**66**	Q	73		70-130	10		30
4-Methyl-2-pentanone	83		89		70-130	7		30
2-Hexanone	70		74		70-130	6		30
Bromochloromethane	107		108		70-130	1		30
1,2-Dibromoethane	87		92		70-130	6		30
n-Butylbenzene	103		101		70-130	2		30
sec-Butylbenzene	104		101		70-130	3		30
tert-Butylbenzene	105		102		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1538254-3 WG1538254-4								
1,2-Dibromo-3-chloropropane	91		94		68-130	3		30
Isopropylbenzene	104		100		70-130	4		30
p-Isopropyltoluene	106		103		70-130	3		30
Naphthalene	87		90		70-130	3		30
n-Propylbenzene	102		98		70-130	4		30
1,2,3-Trichlorobenzene	97		97		70-130	0		30
1,2,4-Trichlorobenzene	103		102		70-130	1		30
1,3,5-Trimethylbenzene	100		99		70-130	1		30
1,2,4-Trimethylbenzene	100		97		70-130	3		30
Methyl Acetate	79		83		51-146	5		30
Cyclohexane	108		106		59-142	2		30
1,4-Dioxane	89		94		65-136	5		30
Freon-113	124		121		50-139	2		30
Methyl cyclohexane	114		116		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		91		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	97		94		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-01
Client ID: B-1 10-15'
Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 09:30
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/23/21 16:41
Analyst: SLR
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/21/21 13:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140	J	ug/kg	160	20.	1
Fluoranthene	55	J	ug/kg	120	23.	1
Benzo(a)anthracene	160		ug/kg	120	22.	1
Benzo(a)pyrene	61	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	43	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	240		ug/kg	120	21.	1
Acenaphthylene	35	J	ug/kg	160	31.	1
Anthracene	120		ug/kg	120	39.	1
Benzo(ghi)perylene	42	J	ug/kg	160	23.	1
Fluorene	150	J	ug/kg	200	19.	1
Phenanthrene	730		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	210		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	50		30-120
4-Terphenyl-d14	47		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-02
Client ID: B-2 10-15'
Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 11:00
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/23/21 17:05
Analyst: SLR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/21/21 13:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Fluoranthene	ND		ug/kg	120	23.	1
Benzo(a)anthracene	41	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	60	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	34	J	ug/kg	200	19.	1
Phenanthrene	88	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	51	J	ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	69		30-120
4-Terphenyl-d14	65		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-03
Client ID: B-7 4-5'
Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:05
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/24/21 13:50
Analyst: JG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/21/21 13:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	70	J	ug/kg	150	20.	1
Fluoranthene	47	J	ug/kg	110	22.	1
Benzo(a)anthracene	120		ug/kg	110	21.	1
Benzo(a)pyrene	54	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	37	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	250		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	61	J	ug/kg	110	37.	1
Benzo(ghi)perylene	28	J	ug/kg	150	22.	1
Fluorene	130	J	ug/kg	190	18.	1
Phenanthrene	150		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	160		ug/kg	110	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	63		30-120
4-Terphenyl-d14	63		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-04
Client ID: B-8 4-5'
Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:30
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/24/21 14:14
Analyst: JG
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 08/21/21 13:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	330	J	ug/kg	510	66.	1
Fluoranthene	1200		ug/kg	380	73.	1
Benzo(a)anthracene	780		ug/kg	380	72.	1
Benzo(a)pyrene	430	J	ug/kg	510	160	1
Benzo(b)fluoranthene	880		ug/kg	380	110	1
Benzo(k)fluoranthene	220	J	ug/kg	380	100	1
Chrysene	1300		ug/kg	380	66.	1
Acenaphthylene	120	J	ug/kg	510	98.	1
Anthracene	430		ug/kg	380	120	1
Benzo(ghi)perylene	270	J	ug/kg	510	75.	1
Fluorene	320	J	ug/kg	640	62.	1
Phenanthrene	1000		ug/kg	380	77.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	380	74.	1
Indeno(1,2,3-cd)pyrene	310	J	ug/kg	510	89.	1
Pyrene	1300		ug/kg	380	63.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	58		30-120
4-Terphenyl-d14	52		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-05
Client ID: B-13 10-15'
Sample Location: RENSSELAER, NY

Date Collected: 08/11/21 10:40
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/23/21 18:16
Analyst: SLR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/22/21 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	430	55.	1
Fluoranthene	ND		ug/kg	320	61.	1
Benzo(a)anthracene	ND		ug/kg	320	60.	1
Benzo(a)pyrene	ND		ug/kg	430	130	1
Benzo(b)fluoranthene	ND		ug/kg	320	90.	1
Benzo(k)fluoranthene	ND		ug/kg	320	85.	1
Chrysene	ND		ug/kg	320	56.	1
Acenaphthylene	ND		ug/kg	430	82.	1
Anthracene	ND		ug/kg	320	100	1
Benzo(ghi)perylene	ND		ug/kg	430	63.	1
Fluorene	ND		ug/kg	530	52.	1
Phenanthrene	ND		ug/kg	320	65.	1
Dibenzo(a,h)anthracene	ND		ug/kg	320	62.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	430	74.	1
Pyrene	ND		ug/kg	320	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	78		30-120
4-Terphenyl-d14	80		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-06
Client ID: B-19 15-20'
Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 11:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/23/21 18:40
Analyst: SLR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/22/21 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	450	58.	1
Fluoranthene	ND		ug/kg	340	64.	1
Benzo(a)anthracene	ND		ug/kg	340	63.	1
Benzo(a)pyrene	ND		ug/kg	450	140	1
Benzo(b)fluoranthene	ND		ug/kg	340	94.	1
Benzo(k)fluoranthene	ND		ug/kg	340	89.	1
Chrysene	ND		ug/kg	340	58.	1
Acenaphthylene	ND		ug/kg	450	86.	1
Anthracene	ND		ug/kg	340	110	1
Benzo(ghi)perylene	ND		ug/kg	450	66.	1
Fluorene	ND		ug/kg	560	54.	1
Phenanthrene	ND		ug/kg	340	68.	1
Dibenzo(a,h)anthracene	ND		ug/kg	340	64.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	450	78.	1
Pyrene	ND		ug/kg	340	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	80		30-120
4-Terphenyl-d14	84		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-07
Client ID: B-20 16-18'
Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 14:00
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/23/21 19:04
Analyst: SLR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/22/21 14:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	420	54.	1
Fluoranthene	ND		ug/kg	320	60.	1
Benzo(a)anthracene	76	J	ug/kg	320	59.	1
Benzo(a)pyrene	ND		ug/kg	420	130	1
Benzo(b)fluoranthene	ND		ug/kg	320	88.	1
Benzo(k)fluoranthene	ND		ug/kg	320	84.	1
Chrysene	96	J	ug/kg	320	55.	1
Acenaphthylene	ND		ug/kg	420	81.	1
Anthracene	ND		ug/kg	320	100	1
Benzo(ghi)perylene	ND		ug/kg	420	62.	1
Fluorene	ND		ug/kg	520	51.	1
Phenanthrene	ND		ug/kg	320	64.	1
Dibenzo(a,h)anthracene	ND		ug/kg	320	61.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	420	73.	1
Pyrene	99	J	ug/kg	320	52.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	83		30-120
4-Terphenyl-d14	81		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/21 09:10
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 08/21/21 13:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1537716-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	98	19.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	76		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/21 10:21
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 08/22/21 14:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-07 Batch: WG1537816-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	97	19.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	109		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1537716-2 WG1537716-3								
Acenaphthene	70		76		31-137	8		50
Fluoranthene	74		82		40-140	10		50
Benzo(a)anthracene	71		79		40-140	11		50
Benzo(a)pyrene	78		84		40-140	7		50
Benzo(b)fluoranthene	78		83		40-140	6		50
Benzo(k)fluoranthene	73		81		40-140	10		50
Chrysene	71		76		40-140	7		50
Acenaphthylene	71		78		40-140	9		50
Anthracene	73		79		40-140	8		50
Benzo(ghi)perylene	73		80		40-140	9		50
Fluorene	71		79		40-140	11		50
Phenanthrene	69		76		40-140	10		50
Dibenzo(a,h)anthracene	74		81		40-140	9		50
Indeno(1,2,3-cd)pyrene	74		80		40-140	8		50
Pyrene	71		78		35-142	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		78		25-120
Phenol-d6	77		84		10-120
Nitrobenzene-d5	72		79		23-120
2-Fluorobiphenyl	66		71		30-120
2,4,6-Tribromophenol	67		75		10-136
4-Terphenyl-d14	68		75		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-07 Batch: WG1537816-2 WG1537816-3								
Acenaphthene	82		84		31-137	2		50
Fluoranthene	88		90		40-140	2		50
Benzo(a)anthracene	85		87		40-140	2		50
Benzo(a)pyrene	91		96		40-140	5		50
Benzo(b)fluoranthene	90		93		40-140	3		50
Benzo(k)fluoranthene	89		92		40-140	3		50
Chrysene	84		85		40-140	1		50
Acenaphthylene	84		85		40-140	1		50
Anthracene	87		87		40-140	0		50
Benzo(ghi)perylene	88		90		40-140	2		50
Fluorene	84		86		40-140	2		50
Phenanthrene	82		84		40-140	2		50
Dibenzo(a,h)anthracene	90		91		40-140	1		50
Indeno(1,2,3-cd)pyrene	90		91		40-140	1		50
Pyrene	85		88		35-142	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	91		89		25-120
Phenol-d6	98		98		10-120
Nitrobenzene-d5	91		89		23-120
2-Fluorobiphenyl	84		84		30-120
2,4,6-Tribromophenol	88		90		10-136
4-Terphenyl-d14	92		96		18-120

PCBS

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-01
Client ID: B-1 10-15'
Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 09:30
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/21 09:18
Analyst: AWS
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/22/21 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	108	9.62	1	A
Aroclor 1221	ND		ug/kg	108	10.8	1	A
Aroclor 1232	ND		ug/kg	108	23.0	1	A
Aroclor 1242	ND		ug/kg	108	14.6	1	A
Aroclor 1248	ND		ug/kg	108	16.2	1	A
Aroclor 1254	ND		ug/kg	108	11.8	1	A
Aroclor 1260	ND		ug/kg	108	20.0	1	A
Aroclor 1262	ND		ug/kg	108	13.8	1	A
Aroclor 1268	ND		ug/kg	108	11.2	1	A
PCBs, Total	ND		ug/kg	108	9.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-02
Client ID: B-2 10-15'
Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 11:00
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/21 09:25
Analyst: AWS
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/22/21 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	106	9.44	1	A
Aroclor 1221	ND		ug/kg	106	10.6	1	A
Aroclor 1232	ND		ug/kg	106	22.5	1	A
Aroclor 1242	ND		ug/kg	106	14.3	1	A
Aroclor 1248	ND		ug/kg	106	15.9	1	A
Aroclor 1254	ND		ug/kg	106	11.6	1	A
Aroclor 1260	ND		ug/kg	106	19.6	1	A
Aroclor 1262	ND		ug/kg	106	13.5	1	A
Aroclor 1268	ND		ug/kg	106	11.0	1	A
PCBs, Total	ND		ug/kg	106	9.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-03
Client ID: B-7 4-5'
Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:05
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/21 09:33
Analyst: AWS
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/22/21 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	114	10.1	1	A
Aroclor 1221	ND		ug/kg	114	11.4	1	A
Aroclor 1232	ND		ug/kg	114	24.1	1	A
Aroclor 1242	ND		ug/kg	114	15.3	1	A
Aroclor 1248	ND		ug/kg	114	17.0	1	A
Aroclor 1254	ND		ug/kg	114	12.4	1	A
Aroclor 1260	ND		ug/kg	114	21.0	1	A
Aroclor 1262	ND		ug/kg	114	14.4	1	A
Aroclor 1268	ND		ug/kg	114	11.8	1	A
PCBs, Total	ND		ug/kg	114	10.1	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-04
Client ID: B-8 4-5'
Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:30
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/21 09:40
Analyst: AWS
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 08/22/21 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	114	10.2	1	A
Aroclor 1221	ND		ug/kg	114	11.5	1	A
Aroclor 1232	ND		ug/kg	114	24.3	1	A
Aroclor 1242	ND		ug/kg	114	15.4	1	A
Aroclor 1248	ND		ug/kg	114	17.2	1	A
Aroclor 1254	ND		ug/kg	114	12.5	1	A
Aroclor 1260	ND		ug/kg	114	21.1	1	A
Aroclor 1262	ND		ug/kg	114	14.5	1	A
Aroclor 1268	15.8	J	ug/kg	114	11.8	1	A
PCBs, Total	15.8	J	ug/kg	114	10.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-05
Client ID: B-13 10-15'
Sample Location: RENSSELAER, NY

Date Collected: 08/11/21 10:40
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/21 09:47
Analyst: AWS
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/22/21 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	114	10.2	1	A
Aroclor 1221	ND		ug/kg	114	11.4	1	A
Aroclor 1232	ND		ug/kg	114	24.2	1	A
Aroclor 1242	ND		ug/kg	114	15.4	1	A
Aroclor 1248	ND		ug/kg	114	17.1	1	A
Aroclor 1254	ND		ug/kg	114	12.5	1	A
Aroclor 1260	ND		ug/kg	114	21.1	1	A
Aroclor 1262	ND		ug/kg	114	14.5	1	A
Aroclor 1268	ND		ug/kg	114	11.8	1	A
PCBs, Total	ND		ug/kg	114	10.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-06
Client ID: B-19 15-20'
Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 11:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/21 09:54
Analyst: AWS
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/22/21 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	103	9.15	1	A
Aroclor 1221	ND		ug/kg	103	10.3	1	A
Aroclor 1232	ND		ug/kg	103	21.8	1	A
Aroclor 1242	ND		ug/kg	103	13.9	1	A
Aroclor 1248	ND		ug/kg	103	15.5	1	A
Aroclor 1254	ND		ug/kg	103	11.3	1	A
Aroclor 1260	ND		ug/kg	103	19.0	1	A
Aroclor 1262	ND		ug/kg	103	13.1	1	A
Aroclor 1268	ND		ug/kg	103	10.7	1	A
PCBs, Total	ND		ug/kg	103	9.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-07
Client ID: B-20 16-18'
Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 14:00
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/21 10:02
Analyst: AWS
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/22/21 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	113	10.0	1	A
Aroclor 1221	ND		ug/kg	113	11.3	1	A
Aroclor 1232	ND		ug/kg	113	23.9	1	A
Aroclor 1242	ND		ug/kg	113	15.2	1	A
Aroclor 1248	ND		ug/kg	113	16.9	1	A
Aroclor 1254	ND		ug/kg	113	12.3	1	A
Aroclor 1260	ND		ug/kg	113	20.8	1	A
Aroclor 1262	ND		ug/kg	113	14.3	1	A
Aroclor 1268	ND		ug/kg	113	11.7	1	A
PCBs, Total	ND		ug/kg	113	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/23/21 08:49
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 08/22/21 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/21
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG1537779-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.23	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.84	A
Aroclor 1254	ND		ug/kg	32.2	3.53	A
Aroclor 1260	ND		ug/kg	32.2	5.96	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.34	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1537779-2 WG1537779-3									
Aroclor 1016	79		86		40-140	8		50	A
Aroclor 1260	79		86		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		87		30-150	A
Decachlorobiphenyl	77		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		75		30-150	B
Decachlorobiphenyl	86		93		30-150	B

METALS

Project Name: BARNET MILLS
Lab Number: L2144034
Project Number: 21-26694E
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-01
Client ID: B-1 10-15'
Sample Location: RENSSELAER, NY
Date Collected: 08/09/21 09:30
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	5.58		mg/kg	0.471	0.098	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC
Barium, Total	26.6		mg/kg	0.471	0.082	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC
Cadmium, Total	0.212	J	mg/kg	0.471	0.046	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC
Chromium, Total	11.2		mg/kg	0.471	0.045	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC
Lead, Total	8.48		mg/kg	2.36	0.126	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC
Mercury, Total	ND		mg/kg	0.076	0.050	1	08/19/21 09:30	08/19/21 19:23	EPA 7471B	1,7471B	OU
Selenium, Total	0.655	J	mg/kg	0.942	0.122	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC
Silver, Total	ND		mg/kg	0.471	0.133	1	08/19/21 08:15	08/20/21 20:36	EPA 3050B	1,6010D	JC

Project Name: BARNET MILLS
Lab Number: L2144034
Project Number: 21-26694E
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-03
Client ID: B-7 4-5'
Sample Location: RENSSELAER, NY
Date Collected: 08/10/21 11:05
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	5.42		mg/kg	0.443	0.092	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC
Barium, Total	42.7		mg/kg	0.443	0.077	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC
Cadmium, Total	0.226	J	mg/kg	0.443	0.043	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC
Chromium, Total	13.3		mg/kg	0.443	0.043	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC
Lead, Total	13.7		mg/kg	2.22	0.119	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC
Mercury, Total	0.048	J	mg/kg	0.072	0.047	1	08/19/21 09:30	08/19/21 19:26	EPA 7471B	1,7471B	OU
Selenium, Total	0.855	J	mg/kg	0.886	0.114	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC
Silver, Total	ND		mg/kg	0.443	0.125	1	08/19/21 08:15	08/20/21 20:41	EPA 3050B	1,6010D	JC

Project Name: BARNET MILLS
Lab Number: L2144034
Project Number: 21-26694E
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-04
Client ID: B-8 4-5'
Sample Location: RENSSELAER, NY
Date Collected: 08/10/21 11:30
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	37.2		mg/kg	0.501	0.104	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC
Barium, Total	33.6		mg/kg	0.501	0.087	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC
Cadmium, Total	0.526		mg/kg	0.501	0.049	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC
Chromium, Total	21.2		mg/kg	0.501	0.048	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC
Lead, Total	65.8		mg/kg	2.51	0.134	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC
Mercury, Total	0.123		mg/kg	0.083	0.054	1	08/19/21 09:30	08/19/21 19:29	EPA 7471B	1,7471B	OU
Selenium, Total	3.93		mg/kg	1.00	0.129	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC
Silver, Total	ND		mg/kg	0.501	0.142	1	08/19/21 08:15	08/20/21 21:17	EPA 3050B	1,6010D	JC

Project Name: BARNET MILLS
Lab Number: L2144034
Project Number: 21-26694E
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-06
Client ID: B-19 15-20'
Sample Location: RENSSELAER, NY
Date Collected: 08/12/21 11:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	6.18		mg/kg	0.437	0.091	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC
Barium, Total	26.7		mg/kg	0.437	0.076	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC
Cadmium, Total	0.245	J	mg/kg	0.437	0.043	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC
Chromium, Total	13.4		mg/kg	0.437	0.042	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC
Lead, Total	8.54		mg/kg	2.18	0.117	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC
Mercury, Total	ND		mg/kg	0.074	0.048	1	08/19/21 09:30	08/19/21 19:32	EPA 7471B	1,7471B	OU
Selenium, Total	0.616	J	mg/kg	0.874	0.113	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC
Silver, Total	0.127	J	mg/kg	0.437	0.124	1	08/19/21 08:15	08/20/21 21:22	EPA 3050B	1,6010D	JC

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03-04,06 Batch: WG1536607-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC
Barium, Total	ND		mg/kg	0.400	0.070	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC
Lead, Total	ND		mg/kg	2.00	0.107	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC
Silver, Total	ND		mg/kg	0.400	0.113	1	08/19/21 08:15	08/20/21 20:22	1,6010D	JC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03-04,06 Batch: WG1536608-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/19/21 09:30	08/19/21 18:53	1,7471B	OU

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 Batch: WG1536607-2 SRM Lot Number: D109-540								
Arsenic, Total	101		-		70-130	-		
Barium, Total	94		-		75-125	-		
Cadmium, Total	108		-		75-125	-		
Chromium, Total	99		-		70-130	-		
Lead, Total	96		-		72-128	-		
Selenium, Total	103		-		68-132	-		
Silver, Total	99		-		68-131	-		
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 Batch: WG1536608-2 SRM Lot Number: D109-540								
Mercury, Total	103		-		60-140	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 QC Batch ID: WG1536607-3 QC Sample: L2143909-13 Client ID: MS Sample												
Arsenic, Total	11.0	21.7	28.9	82		-	-		75-125	-		20
Barium, Total	448	362	664	**60**	Q	-	-		75-125	-		20
Cadmium, Total	1.17J	9.59	9.59	100		-	-		75-125	-		20
Chromium, Total	18.0	36.2	50.7	90		-	-		75-125	-		20
Lead, Total	65.3	95.9	116	**53**	Q	-	-		75-125	-		20
Selenium, Total	3.86	21.7	23.6	91		-	-		75-125	-		20
Silver, Total	ND	54.3	52.1	96		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 QC Batch ID: WG1536608-3 QC Sample: L2143909-13 Client ID: MS Sample												
Mercury, Total	0.346	0.296	0.562	**73**	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 QC Batch ID: WG1536607-4 QC Sample: L2143909-13 Client ID: DUP Sample						
Arsenic, Total	11.0	12.4	mg/kg	12		20
Barium, Total	448	503	mg/kg	12		20
Cadmium, Total	1.17J	1.51J	mg/kg	NC		20
Chromium, Total	18.0	19.5	mg/kg	8		20
Lead, Total	65.3	70.9	mg/kg	8		20
Selenium, Total	3.86	4.64	mg/kg	18		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 QC Batch ID: WG1536608-4 QC Sample: L2143909-13 Client ID: DUP Sample						
Mercury, Total	0.346	0.254	mg/kg	**31**	Q	20

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2144034
Report Date: 08/24/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-04,06 QC Batch ID: WG1536607-6 QC Sample: L2143909-13 Client ID: DUP Sample						
Barium, Total	448	394	mg/kg	12		20

INORGANICS
&
MISCELLANEOUS

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-01
Client ID: B-1 10-15'
Sample Location: RENSSELAER, NY

Date Collected: 08/09/21 09:30
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	08/18/21 11:43	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-02
Client ID: B-2 10-15'
Sample Location: RENSSELAER, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/09/21 11:00
Date Received: 08/17/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	08/18/21 09:24	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-03
Client ID: B-7 4-5'
Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:05
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	08/18/21 11:43	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-04
Client ID: B-8 4-5'
Sample Location: RENSSELAER, NY

Date Collected: 08/10/21 11:30
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.6		%	0.100	NA	1	-	08/18/21 11:43	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-05
Client ID: B-13 10-15'
Sample Location: RENSSELAER, NY

Date Collected: 08/11/21 10:40
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.1		%	0.100	NA	1	-	08/18/21 09:24	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-06
Client ID: B-19 15-20'
Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 11:15
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	08/18/21 11:43	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

SAMPLE RESULTS

Lab ID: L2144034-07
Client ID: B-20 16-18'
Sample Location: RENSSELAER, NY

Date Collected: 08/12/21 14:00
Date Received: 08/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	08/18/21 09:24	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2144034

Report Date: 08/24/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,05,07 QC Batch ID: WG1536317-1 QC Sample: L2142410-35 Client ID: DUP Sample						
Solids, Total	95.4	95.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01,03-04,06 QC Batch ID: WG1536363-1 QC Sample: L2144000-01 Client ID: DUP Sample						
Solids, Total	93.8	94.8	%	1		20

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2144034-01A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2144034-01B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYCP51-PAH(14),NYTCL-8260-R2(14),TS(7),NYTCL-8082(365)
L2144034-01X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-01Y	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)
L2144034-01Z	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)
L2144034-02A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-02B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2144034-02X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-02Y	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)
L2144034-02Z	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)
L2144034-03A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2144034-03B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14),NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2144034-03X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-03Y	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)
L2144034-03Z	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)
L2144034-04A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2144034-04B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14),NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2144034-04X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-04Y	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2144034
Report Date: 08/24/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2144034-04Z	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)
L2144034-05A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-05B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2144034-05X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-05Y	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)
L2144034-05Z	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)
L2144034-06A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2144034-06B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYCP51-PAH(14),NYTCL-8260-R2(14),TS(7),NYTCL-8082(365)
L2144034-06X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-06Y	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)
L2144034-06Z	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)
L2144034-07A	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-07B	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYCP51-PAH(14),TS(7),NYTCL-8082(365)
L2144034-07X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2144034-07Y	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)
L2144034-07Z	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-AUG-21 04:57**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	BARNET MILLS	**Lab Number:**	L2144034
Project Number:	21-26694E	**Report Date:**	08/24/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BARNET MILLS	**Lab Number:**	L2144034
Project Number:	21-26694E	**Report Date:**	08/24/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BARNET MILLS	**Lab Number:**	L2144034
Project Number:	21-26694E	**Report Date:**	08/24/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	BARNET MILLS	**Lab Number:**	L2144034
Project Number:	21-26694E	**Report Date:**	08/24/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/17/21

ALPHA Job #: L2144034

Client Information

Client: Alpine Environmental Services Inc
Address: 438 New Karner Road
Albany NY 12205
Phone: 518-588-2104
Fax:
Email: KimB@AlpineEnv.com

Project Information

Project Name: Barnet Mills
Project Location: Rensselaer NY
Project #: 21-26694E
(Use Project name as Project #)
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard [✓]
Rush (only if pre approved) [ ]
Due Date:
# of Days:

Deliverables

[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[ ] NY TOGS [✓] NY Part 375
[ ] AWQ Standards [✓] NY CP-51
[ ] NY Restricted Use [✓] Other
[✓] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[✓] Same as Client Info
PO # Attn. Mark Schnitzer

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other: NA

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

DO MID-LEVEL EXTRACTION FOR SAMPLES MARKED "ML"

Please specify Metals or TAL.

ANALYSIS

8260 | 8270 CP-51 | 8082 PCBs Total | RCRA Metals

Sample Filtration
[ ] one
[ ] ab to do
Preservation
[ ] ab to do
(Please Specify below)

Total Bottl.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260	8270 CP-51	8082 PCBs Total	RCRA Metals					Sample Specific Comments
44034-01	B-1 10-15'	8/9/21	9:30	Soil	KB	X	X	X	X					ML
02	B2 10-15'	8/9/21	11:00	Soil	KB	X	X	X						ML
03	B7 4-5'	8/10/21	11:05	Soil	KB	X	X	X	X					ML
04	B8 4-5'	8/10/21	11:30	Soil	KB	X	X	X	X					ML
05	B13 10-15'	8/11/21	10:40	Soil	KB	X	X	X						
06	B19 15-20'	8/12/21	11:15	Soil	KB	X	X	X	X					ML
07	B20 16-18'	8/12/21	14:00	Soil	KB	X	X	X						ML

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Kim L. Baines	8/17/21 09:44		8/17/21 0944
	8/17/21		8/17/21 1215
	8/17/21 1613		8/17/21 1613

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

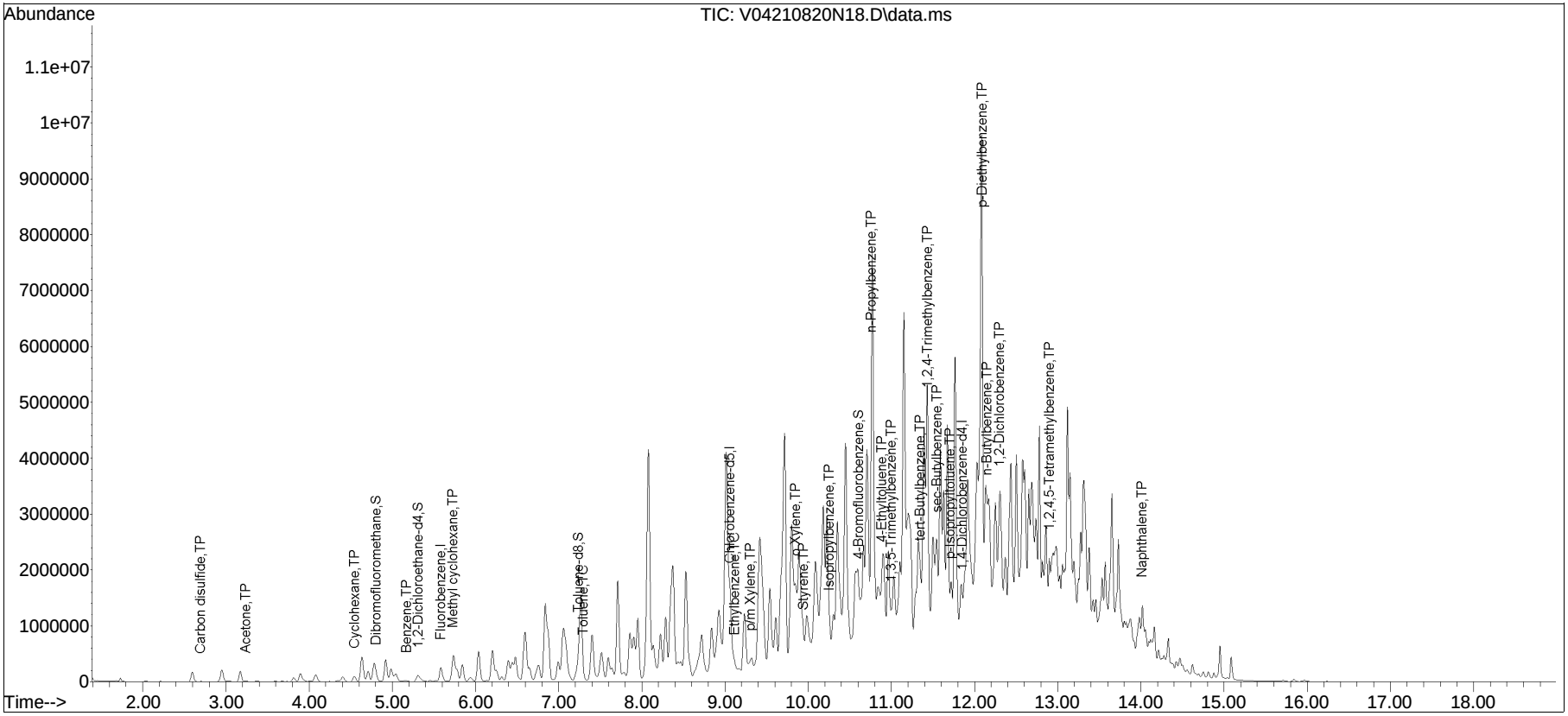
Form No: 01-25 (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2021\210820N\
Data File : V04210820N18.D
Acq On : 21 Aug 2021 12:38 am
Operator : VOA104:AJK
Sample : l2144034-01,31,5.69,5,,y
Misc : WG1537858,ICAL18128
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 22 15:51:12 2021
Quant Method : I:\VOLATILES\VOA104\2021\210820N\V104_210707N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 08 11:04:08 2021
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0N\V04210820N01.D•

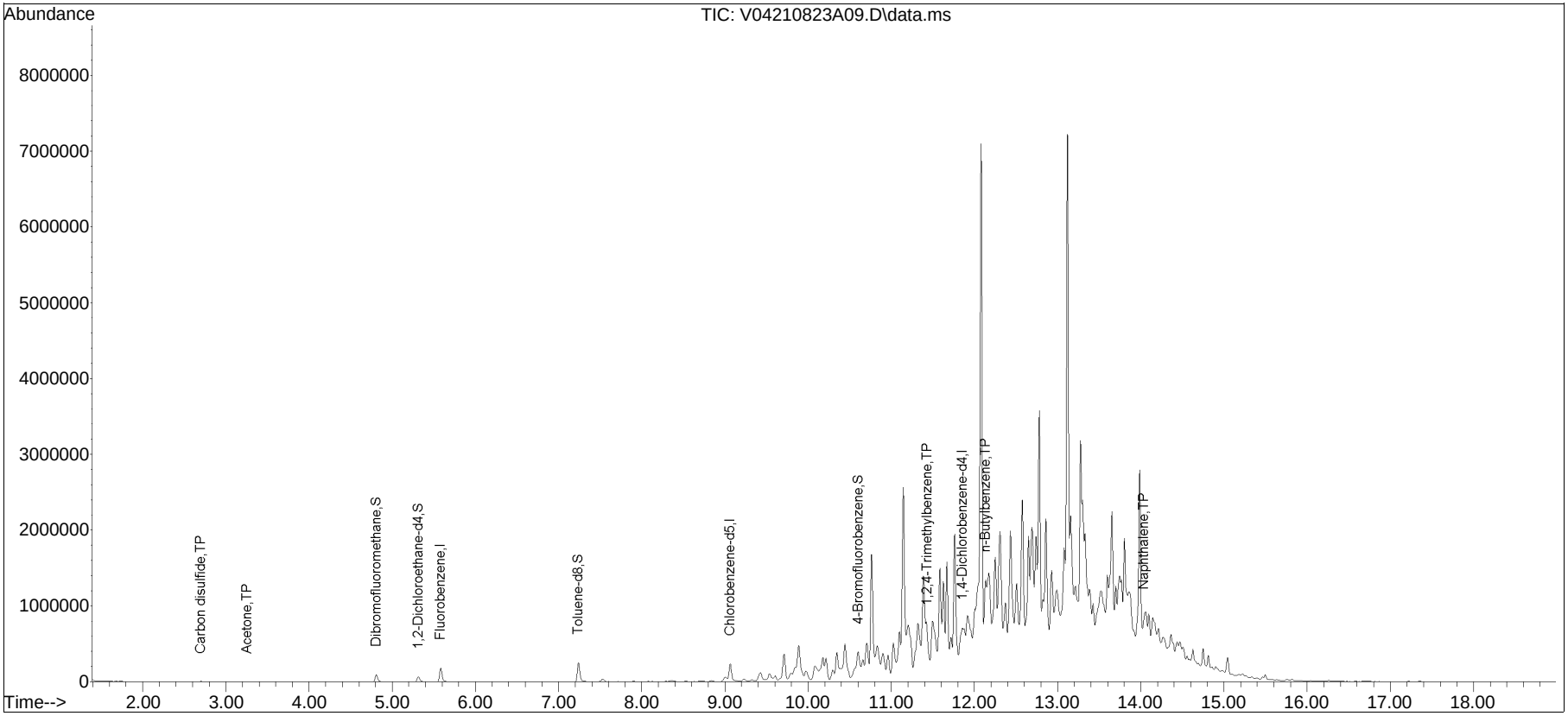


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2021\210823A\
Data File : V04210823A09.D
Acq On : 23 Aug 2021 8:05 am
Operator : VOA104:MV
Sample : l2144034-05,31,5.46,5,,y
Misc : WG1538254,ICAL18128
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 23 09:18:47 2021
Quant Method : I:\VOLATILES\VOA104\2021\210823A\V104_210707N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 08 11:04:08 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox10823A\V04210823A01.D•



STORM DRAIN AND SUBSTATION SAMPLES

ANALYTICAL REPORT

Lab Number:	L2149063
Client:	Alpine Environmental 438 New Karner Road Albany, NY 12205
ATTN:	Kim Baines
Phone:	(518) 250-4047
Project Name:	BARNET MILLS
Project Number:	21-26694E
Report Date:	09/28/21

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2149063-01	SW-TANK	WATER	RENSSELAER, NY	09/10/21 12:20	09/13/21
L2149063-02	SW-DR1	SOIL	RENSSELAER, NY	09/10/21 13:15	09/13/21
L2149063-03	SUB-STA-1	SOIL	RENSSELAER, NY	09/10/21 14:45	09/13/21
L2149063-04	SUB-STA-2	SOIL	RENSSELAER, NY	09/10/21 15:15	09/13/21
L2149063-05	SW-DR-1	WATER	RENSSELAER, NY	09/10/21 13:15	09/13/21
L2149063-06	SW-DR-2	SOIL	RENSSELAER, NY	09/10/21 15:40	09/13/21

Project Name:	BARNET MILLS	**Lab Number:**	L2149063
Project Number:	21-26694E	**Report Date:**	09/28/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	BARNET MILLS	**Lab Number:**	L2149063
Project Number:	21-26694E	**Report Date:**	09/28/21

Case Narrative (continued)

Report Submission

September 28, 2021: This final report includes the results of all requested analyses.

September 27, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2149063-01: The analysis of Semivolatile Organics was requested on the Chain of Custody; however, sample containers were not received. This was verified by the client.

Volatile Organics

L2149063-02 and -03 were analyzed with the method required holding time exceeded.

L2149063-02, -03, -04 and -06: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/28/21

ORGANICS

VOLATILES

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-01
Client ID: SW-TANK
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 12:20
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 19:13
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BARNET MILLS **Lab Number:** L2149063

Project Number: 21-26694E **Report Date:** 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-01 Date Collected: 09/10/21 12:20

Client ID: SW-TANK Date Received: 09/13/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-02
Client ID: SW-DR1
Sample Location: RENSSELAER, NY
Date Collected: 09/10/21 13:15
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/27/21 14:08
Analyst: MV
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.3	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.63	0.25	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	0.21	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.21	1
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	ND		ug/kg	1.3	0.68	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.73	1
Vinyl chloride	ND		ug/kg	1.3	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1
Trichloroethene	ND		ug/kg	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1

Project Name: BARNET MILLS **Lab Number:** L2149063

Project Number: 21-26694E **Report Date:** 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-02 Date Collected: 09/10/21 13:15

Client ID: SW-DR1 Date Received: 09/13/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	6.9	J	ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.7	1
2-Butanone	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.35	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.2	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
Methyl Acetate	ND		ug/kg	5.0	1.2	1
Cyclohexane	ND		ug/kg	13	0.69	1
1,4-Dioxane	ND		ug/kg	100	44.	1
Freon-113	ND		ug/kg	5.0	0.87	1
Methyl cyclohexane	ND		ug/kg	5.0	0.76	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	107		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-03
Client ID: SUB-STA-1
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 14:45
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/27/21 12:52
Analyst: MV
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	1.0		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: BARNET MILLS **Lab Number:** L2149063

Project Number: 21-26694E **Report Date:** 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-03 Date Collected: 09/10/21 14:45

Client ID: SUB-STA-1 Date Received: 09/13/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.17	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.91	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.5	1
2-Butanone	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
Methyl Acetate	ND		ug/kg	4.0	0.95	1
Cyclohexane	ND		ug/kg	10	0.54	1
1,4-Dioxane	ND		ug/kg	80	35.	1
Freon-113	ND		ug/kg	4.0	0.69	1
Methyl cyclohexane	ND		ug/kg	4.0	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-04
Client ID: SUB-STA-2
Sample Location: RENSSELAER, NY
Date Collected: 09/10/21 15:15
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/22/21 17:10
Analyst: MKS
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	0.26	J	ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: BARNET MILLS **Lab Number:** L2149063

Project Number: 21-26694E **Report Date:** 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-04 Date Collected: 09/10/21 15:15

Client ID: SUB-STA-2 Date Received: 09/13/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	ND		ug/kg	11	0.59	1
1,4-Dioxane	ND		ug/kg	86	38.	1
Freon-113	ND		ug/kg	4.3	0.75	1
Methyl cyclohexane	ND		ug/kg	4.3	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	110		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-05
Client ID: SW-DR-1
Sample Location: RENSSELAER, NY
Date Collected: 09/10/21 13:15
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/22/21 19:34
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.4	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.28	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: BARNET MILLS **Lab Number:** L2149063

Project Number: 21-26694E **Report Date:** 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-05 Date Collected: 09/10/21 13:15

Client ID: SW-DR-1 Date Received: 09/13/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	1.9	J	ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	93		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-06
Client ID: SW-DR-2
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:40
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/22/21 17:35
Analyst: MKS
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1
Trichloroethene	4.6		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: BARNET MILLS **Lab Number:** L2149063

Project Number: 21-26694E **Report Date:** 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-06 Date Collected: 09/10/21 15:40

Client ID: SW-DR-2 Date Received: 09/13/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.90	1
Acetone	ND		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.5	1
2-Butanone	ND		ug/kg	9.8	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
Methyl Acetate	ND		ug/kg	3.9	0.93	1
Cyclohexane	ND		ug/kg	9.8	0.53	1
1,4-Dioxane	ND		ug/kg	78	34.	1
Freon-113	ND		ug/kg	3.9	0.68	1
Methyl cyclohexane	ND		ug/kg	3.9	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	110		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 18:51
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG1549904-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 18:51
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG1549904-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 18:51
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05 Batch: WG1549904-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 16:45
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06 Batch: WG1550129-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.14	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 16:45
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06 Batch: WG1550129-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	0.70	J	ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	0.67	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	2.4	J	ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/22/21 16:45
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06 Batch: WG1550129-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/27/21 08:19
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1551390-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/27/21 08:19
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1551390-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	0.83	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.66	J	ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/27/21 08:19
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1551390-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 Batch: WG1549904-3 WG1549904-4								
Methylene chloride	99		99		70-130	0		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	96		95		70-130	1		20
Carbon tetrachloride	85		82		63-132	4		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	78		78		63-130	0		20
1,1,2-Trichloroethane	98		94		70-130	4		20
Tetrachloroethene	97		93		70-130	4		20
Chlorobenzene	96		96		75-130	0		20
Trichlorofluoromethane	95		98		62-150	3		20
1,2-Dichloroethane	95		98		70-130	3		20
1,1,1-Trichloroethane	92		90		67-130	2		20
Bromodichloromethane	86		88		67-130	2		20
trans-1,3-Dichloropropene	86		89		70-130	3		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
Bromoform	70		71		54-136	1		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	98		97		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	90		88		39-139	2		20
Vinyl chloride	130		120		55-140	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 Batch: WG1549904-3 WG1549904-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	97		99		61-145	2		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	100		98		70-130	2		20
1,2-Dichlorobenzene	95		96		70-130	1		20
1,3-Dichlorobenzene	99		94		70-130	5		20
1,4-Dichlorobenzene	100		97		70-130	3		20
Methyl tert butyl ether	92		93		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	97		92		70-130	5		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	**160**	Q	**160**	Q	58-148	0		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	120		130		63-138	8		20
4-Methyl-2-pentanone	97		100		59-130	3		20
2-Hexanone	100		110		57-130	10		20
Bromochloromethane	93		91		70-130	2		20
1,2-Dibromoethane	88		90		70-130	2		20
1,2-Dibromo-3-chloropropane	75		72		41-144	4		20
Isopropylbenzene	100		95		70-130	5		20
1,2,3-Trichlorobenzene	92		95		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05 Batch: WG1549904-3 WG1549904-4								
1,2,4-Trichlorobenzene	91		92		70-130	1		20
Methyl Acetate	99		100		70-130	1		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	88		90		56-162	2		20
Freon-113	100		110		70-130	10		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	98		96		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06 Batch: WG1550129-3 WG1550129-4								
Methylene chloride	81		79		70-130	3		30
1,1-Dichloroethane	87		85		70-130	2		30
Chloroform	78		76		70-130	3		30
Carbon tetrachloride	88		85		70-130	3		30
1,2-Dichloropropane	90		88		70-130	2		30
Dibromochloromethane	94		93		70-130	1		30
1,1,2-Trichloroethane	84		83		70-130	1		30
Tetrachloroethene	100		97		70-130	3		30
Chlorobenzene	87		86		70-130	1		30
Trichlorofluoromethane	**56**	Q	**54**	Q	70-139	4		30
1,2-Dichloroethane	81		79		70-130	3		30
1,1,1-Trichloroethane	87		84		70-130	4		30
Bromodichloromethane	85		84		70-130	1		30
trans-1,3-Dichloropropene	86		85		70-130	1		30
cis-1,3-Dichloropropene	95		94		70-130	1		30
Bromoform	94		93		70-130	1		30
1,1,2,2-Tetrachloroethane	83		81		70-130	2		30
Benzene	88		86		70-130	2		30
Toluene	80		78		70-130	3		30
Ethylbenzene	85		83		70-130	2		30
Chloromethane	74		70		52-130	6		30
Bromomethane	**48**	Q	**47**	Q	57-147	2		30
Vinyl chloride	**59**	Q	**57**	Q	67-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06 Batch: WG1550129-3 WG1550129-4								
Chloroethane	52		50		50-151	4		30
1,1-Dichloroethene	94		90		65-135	4		30
trans-1,2-Dichloroethene	93		90		70-130	3		30
Trichloroethene	92		90		70-130	2		30
1,2-Dichlorobenzene	90		90		70-130	0		30
1,3-Dichlorobenzene	90		88		70-130	2		30
1,4-Dichlorobenzene	88		87		70-130	1		30
Methyl tert butyl ether	89		88		66-130	1		30
p/m-Xylene	91		90		70-130	1		30
o-Xylene	80		79		70-130	1		30
cis-1,2-Dichloroethene	91		89		70-130	2		30
Styrene	80		79		70-130	1		30
Dichlorodifluoromethane	42		41		30-146	2		30
Acetone	138		117		54-140	16		30
Carbon disulfide	75		72		59-130	4		30
2-Butanone	**137**	Q	**134**	Q	70-130	2		30
4-Methyl-2-pentanone	98		96		70-130	2		30
2-Hexanone	114		113		70-130	1		30
Bromochloromethane	96		94		70-130	2		30
1,2-Dibromoethane	94		93		70-130	1		30
1,2-Dibromo-3-chloropropane	100		99		68-130	1		30
Isopropylbenzene	86		86		70-130	0		30
1,2,3-Trichlorobenzene	107		108		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06 Batch: WG1550129-3 WG1550129-4								
1,2,4-Trichlorobenzene	105		106		70-130	1		30
Methyl Acetate	93		89		51-146	4		30
Cyclohexane	95		92		59-142	3		30
1,4-Dioxane	88		84		65-136	5		30
Freon-113	93		89		50-139	4		30
Methyl cyclohexane	89		87		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		89		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	106		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1551390-3 WG1551390-4								
Methylene chloride	87		83		70-130	5		30
1,1-Dichloroethane	102		99		70-130	3		30
Chloroform	93		91		70-130	2		30
Carbon tetrachloride	79		90		70-130	13		30
1,2-Dichloropropane	99		98		70-130	1		30
Dibromochloromethane	83		92		70-130	10		30
1,1,2-Trichloroethane	93		92		70-130	1		30
Tetrachloroethene	105		102		70-130	3		30
Chlorobenzene	98		96		70-130	2		30
Trichlorofluoromethane	104		97		70-139	7		30
1,2-Dichloroethane	94		93		70-130	1		30
1,1,1-Trichloroethane	96		99		70-130	3		30
Bromodichloromethane	90		97		70-130	7		30
trans-1,3-Dichloropropene	85		93		70-130	9		30
cis-1,3-Dichloropropene	90		96		70-130	6		30
Bromoform	74		82		70-130	10		30
1,1,2,2-Tetrachloroethane	91		91		70-130	0		30
Benzene	96		94		70-130	2		30
Toluene	94		92		70-130	2		30
Ethylbenzene	101		99		70-130	2		30
Chloromethane	95		88		52-130	8		30
Bromomethane	93		87		57-147	7		30
Vinyl chloride	93		89		67-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1551390-3 WG1551390-4								
Chloroethane	102		97		50-151	5		30
1,1-Dichloroethene	98		94		65-135	4		30
trans-1,2-Dichloroethene	101		95		70-130	6		30
Trichloroethene	95		93		70-130	2		30
1,2-Dichlorobenzene	97		95		70-130	2		30
1,3-Dichlorobenzene	102		98		70-130	4		30
1,4-Dichlorobenzene	98		96		70-130	2		30
Methyl tert butyl ether	85		82		66-130	4		30
p/m-Xylene	99		98		70-130	1		30
o-Xylene	101		99		70-130	2		30
cis-1,2-Dichloroethene	100		96		70-130	4		30
Styrene	101		99		70-130	2		30
Dichlorodifluoromethane	82		76		30-146	8		30
Acetone	76		72		54-140	5		30
Carbon disulfide	90		85		59-130	6		30
2-Butanone	92		84		70-130	9		30
4-Methyl-2-pentanone	90		88		70-130	2		30
2-Hexanone	100		100		70-130	0		30
Bromochloromethane	100		96		70-130	4		30
1,2-Dibromoethane	87		94		70-130	8		30
1,2-Dibromo-3-chloropropane	**63**	Q	73		68-130	15		30
Isopropylbenzene	102		98		70-130	4		30
1,2,3-Trichlorobenzene	86		86		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1551390-3 WG1551390-4								
1,2,4-Trichlorobenzene	96		94		70-130	2		30
Methyl Acetate	75		77		51-146	3		30
Cyclohexane	107		103		59-142	4		30
1,4-Dioxane	76		77		65-136	1		30
Freon-113	105		100		50-139	5		30
Methyl cyclohexane	102		99		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	101		100		70-130

SEMIVOLATILES

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-02
Client ID: SW-DR1
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 13:15
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/22/21 09:12
Analyst: ALS
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	44	J	ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	790		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	39	J	ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	230		ug/kg	210	73.	1
Butyl benzyl phthalate	280		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: BARNET MILLS **Lab Number:** L2149063

Project Number: 21-26694E **Report Date:** 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-02 Date Collected: 09/10/21 13:15

Client ID: SW-DR1 Date Received: 09/13/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	420		ug/kg	130	24.	1
Benzo(a)pyrene	390		ug/kg	170	52.	1
Benzo(b)fluoranthene	560		ug/kg	130	36.	1
Benzo(k)fluoranthene	150		ug/kg	130	34.	1
Chrysene	420		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	140		ug/kg	130	41.	1
Benzo(ghi)perylene	260		ug/kg	170	25.	1
Fluorene	50	J	ug/kg	210	20.	1
Phenanthrene	550		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	66	J	ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	290		ug/kg	170	29.	1
Pyrene	630		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	34	J	ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	80	J	ug/kg	210	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	57		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-03
Client ID: SUB-STA-1
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 14:45
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/22/21 00:30
Analyst: ALS
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: BARNET MILLS **Lab Number:** L2149063

Project Number: 21-26694E **Report Date:** 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-03 Date Collected: 09/10/21 14:45

Client ID: SUB-STA-1 Date Received: 09/13/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	64		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-04
Client ID: SUB-STA-2
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:15
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/22/21 00:52
Analyst: ALS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: BARNET MILLS **Lab Number:** L2149063

Project Number: 21-26694E **Report Date:** 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-04 Date Collected: 09/10/21 15:15

Client ID: SUB-STA-2 Date Received: 09/13/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	71		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-06
Client ID: SW-DR-2
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:40
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/22/21 09:34
Analyst: ALS
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	2100		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	290		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	62	J	ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: BARNET MILLS **Lab Number:** L2149063

Project Number: 21-26694E **Report Date:** 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-06 Date Collected: 09/10/21 15:40

Client ID: SW-DR-2 Date Received: 09/13/21

Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	1100		ug/kg	100	20.	1
Benzo(a)pyrene	1000		ug/kg	140	42.	1
Benzo(b)fluoranthene	1400		ug/kg	100	29.	1
Benzo(k)fluoranthene	420		ug/kg	100	28.	1
Chrysene	1000		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	370		ug/kg	100	34.	1
Benzo(ghi)perylene	690		ug/kg	140	20.	1
Fluorene	210		ug/kg	170	17.	1
Phenanthrene	1700		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	160		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	750		ug/kg	140	24.	1
Pyrene	1800		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	150	J	ug/kg	170	16.	1
2-Methylnaphthalene	74	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	290		ug/kg	170	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	68		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/22/21 00:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-04,06 Batch: WG1548187-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/22/21 00:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-04,06 Batch: WG1548187-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	31.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	37.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
Benzyl Alcohol	ND		ug/kg	160	49.
Carbazole	ND		ug/kg	160	16.

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/22/21 00:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/19/21 20:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-04,06 Batch: WG1548187-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	68		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04,06 Batch: WG1548187-2 WG1548187-3								
Acenaphthene	79		63		31-137	23		50
1,2,4-Trichlorobenzene	75		64		38-107	16		50
Hexachlorobenzene	75		60		40-140	22		50
Bis(2-chloroethyl)ether	81		68		40-140	17		50
2-Chloronaphthalene	80		66		40-140	19		50
1,2-Dichlorobenzene	76		64		40-140	17		50
1,3-Dichlorobenzene	75		64		40-140	16		50
1,4-Dichlorobenzene	75		63		28-104	17		50
3,3'-Dichlorobenzidine	64		54		40-140	17		50
2,4-Dinitrotoluene	87		70		40-132	22		50
2,6-Dinitrotoluene	84		67		40-140	23		50
Fluoranthene	82		66		40-140	22		50
4-Chlorophenyl phenyl ether	80		65		40-140	21		50
4-Bromophenyl phenyl ether	83		65		40-140	24		50
Bis(2-chloroisopropyl)ether	82		69		40-140	17		50
Bis(2-chloroethoxy)methane	81		66		40-117	20		50
Hexachlorobutadiene	75		63		40-140	17		50
Hexachlorocyclopentadiene	76		63		40-140	19		50
Hexachloroethane	70		59		40-140	17		50
Isophorone	77		64		40-140	18		50
Naphthalene	77		64		40-140	18		50
Nitrobenzene	84		70		40-140	18		50
NDPA/DPA	83		67		36-157	21		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04,06 Batch: WG1548187-2 WG1548187-3								
n-Nitrosodi-n-propylamine	80		67		32-121	18		50
Bis(2-ethylhexyl)phthalate	83		66		40-140	23		50
Butyl benzyl phthalate	83		66		40-140	23		50
Di-n-butylphthalate	82		66		40-140	22		50
Di-n-octylphthalate	86		68		40-140	23		50
Diethyl phthalate	80		64		40-140	22		50
Dimethyl phthalate	78		64		40-140	20		50
Benzo(a)anthracene	79		63		40-140	23		50
Benzo(a)pyrene	83		67		40-140	21		50
Benzo(b)fluoranthene	82		65		40-140	23		50
Benzo(k)fluoranthene	79		65		40-140	19		50
Chrysene	75		61		40-140	21		50
Acenaphthylene	82		66		40-140	22		50
Anthracene	79		65		40-140	19		50
Benzo(ghi)perylene	81		66		40-140	20		50
Fluorene	82		65		40-140	23		50
Phenanthrene	77		63		40-140	20		50
Dibenzo(a,h)anthracene	82		66		40-140	22		50
Indeno(1,2,3-cd)pyrene	82		68		40-140	19		50
Pyrene	79		65		35-142	19		50
Biphenyl	85		70		37-127	19		50
4-Chloroaniline	89		79		40-140	12		50
2-Nitroaniline	86		70		47-134	21		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04,06 Batch: WG1548187-2 WG1548187-3								
3-Nitroaniline	85		70		26-129	19		50
4-Nitroaniline	91		72		41-125	23		50
Dibenzofuran	81		65		40-140	22		50
2-Methylnaphthalene	82		68		40-140	19		50
1,2,4,5-Tetrachlorobenzene	79		64		40-117	21		50
Acetophenone	85		71		14-144	18		50
Benzyl Alcohol	92		76		40-140	19		50
Carbazole	84		68		54-128	21		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		67		25-120
Phenol-d6	90		73		10-120
Nitrobenzene-d5	80		67		23-120
2-Fluorobiphenyl	77		63		30-120
2,4,6-Tribromophenol	75		59		10-136
4-Terphenyl-d14	77		61		18-120

PCBS

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-01
Client ID: SW-TANK
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 12:20
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/26/21 19:16
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 09/25/21 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/25/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-02
Client ID: SW-DR1
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 13:15
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/20/21 21:07
Analyst: CW
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 09/19/21 15:32
Cleanup Method: EPA 3660B
Cleanup Date: 09/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.70	1	A
Aroclor 1221	ND		ug/kg	41.6	4.17	1	A
Aroclor 1232	ND		ug/kg	41.6	8.83	1	A
Aroclor 1242	ND		ug/kg	41.6	5.61	1	A
Aroclor 1248	ND		ug/kg	41.6	6.25	1	A
Aroclor 1254	ND		ug/kg	41.6	4.56	1	A
Aroclor 1260	10.6	J	ug/kg	41.6	7.70	1	A
Aroclor 1262	ND		ug/kg	41.6	5.29	1	A
Aroclor 1268	5.64	J	ug/kg	41.6	4.32	1	A
PCBs, Total	16.2	J	ug/kg	41.6	3.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-03
Client ID: SUB-STA-1
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 14:45
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/20/21 21:14
Analyst: CW
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/19/21 15:32
Cleanup Method: EPA 3660B
Cleanup Date: 09/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.52	1	A
Aroclor 1242	ND		ug/kg	35.5	4.78	1	A
Aroclor 1248	ND		ug/kg	35.5	5.32	1	A
Aroclor 1254	ND		ug/kg	35.5	3.88	1	A
Aroclor 1260	ND		ug/kg	35.5	6.56	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-04
Client ID: SUB-STA-2
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:15
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/20/21 21:21
Analyst: CW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/19/21 15:32
Cleanup Method: EPA 3660B
Cleanup Date: 09/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	3.14	1	A
Aroclor 1221	ND		ug/kg	35.4	3.54	1	A
Aroclor 1232	ND		ug/kg	35.4	7.50	1	A
Aroclor 1242	ND		ug/kg	35.4	4.77	1	A
Aroclor 1248	ND		ug/kg	35.4	5.31	1	A
Aroclor 1254	ND		ug/kg	35.4	3.87	1	A
Aroclor 1260	ND		ug/kg	35.4	6.54	1	B
Aroclor 1262	ND		ug/kg	35.4	4.49	1	A
Aroclor 1268	ND		ug/kg	35.4	3.66	1	A
PCBs, Total	ND		ug/kg	35.4	3.14	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-06
Client ID: SW-DR-2
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:40
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/20/21 21:28
Analyst: CW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/19/21 15:32
Cleanup Method: EPA 3660B
Cleanup Date: 09/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.47	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.63	1	A
PCBs, Total	ND		ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/20/21 20:46
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 09/19/21 15:32

Cleanup Method: EPA 3660B
Cleanup Date: 09/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-04,06 Batch: WG1548166-1						
Aroclor 1016	ND		ug/kg	32.9	2.92	A
Aroclor 1221	ND		ug/kg	32.9	3.30	A
Aroclor 1232	ND		ug/kg	32.9	6.97	A
Aroclor 1242	ND		ug/kg	32.9	4.43	A
Aroclor 1248	ND		ug/kg	32.9	4.93	A
Aroclor 1254	ND		ug/kg	32.9	3.60	A
Aroclor 1260	ND		ug/kg	32.9	6.08	A
Aroclor 1262	ND		ug/kg	32.9	4.18	A
Aroclor 1268	ND		ug/kg	32.9	3.41	A
PCBs, Total	ND		ug/kg	32.9	2.92	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/24/21 22:07
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 09/24/21 13:06
Cleanup Method: EPA 3665A
Cleanup Date: 09/24/21
Cleanup Method: EPA 3660B
Cleanup Date: 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1550522-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	53		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-04,06 Batch: WG1548166-2 WG1548166-3									
Aroclor 1016	80		82		40-140	2		50	A
Aroclor 1260	74		76		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		73		30-150	A
Decachlorobiphenyl	70		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		70		30-150	B
Decachlorobiphenyl	60		65		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1550522-2 WG1550522-3									
Aroclor 1016	42		52		40-140	20		50	A
Aroclor 1260	45		54		40-140	18		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		54		30-150	A
Decachlorobiphenyl	54		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		49		30-150	B
Decachlorobiphenyl	48		54		30-150	B

METALS

Project Name: BARNET MILLS
Lab Number: L2149063
Project Number: 21-26694E
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-02
Client ID: SW-DR1
Sample Location: RENSSELAER, NY
Date Collected: 09/10/21 13:15
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	5.01		mg/kg	0.506	0.105	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP
Barium, Total	51.3		mg/kg	0.506	0.088	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP
Cadmium, Total	1.02		mg/kg	0.506	0.050	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP
Chromium, Total	18.8		mg/kg	0.506	0.049	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP
Lead, Total	51.6		mg/kg	2.53	0.136	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP
Mercury, Total	0.136		mg/kg	0.090	0.058	1	09/14/21 22:09	09/15/21 15:36	EPA 7471B	1,7471B	OU
Selenium, Total	0.268	J	mg/kg	1.01	0.131	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP
Silver, Total	ND		mg/kg	0.506	0.143	1	09/14/21 21:23	09/23/21 14:56	EPA 3050B	1,6010D	MP

Project Name: BARNET MILLS
Lab Number: L2149063
Project Number: 21-26694E
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-06
Client ID: SW-DR-2
Sample Location: RENSSELAER, NY
Date Collected: 09/10/21 15:40
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	3.08		mg/kg	0.421	0.088	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP
Barium, Total	50.6		mg/kg	0.421	0.073	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP
Cadmium, Total	ND		mg/kg	0.421	0.041	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP
Chromium, Total	11.1		mg/kg	0.421	0.040	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP
Lead, Total	15.2		mg/kg	2.10	0.113	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP
Mercury, Total	ND		mg/kg	0.072	0.047	1	09/14/21 22:09	09/15/21 15:39	EPA 7471B	1,7471B	OU
Selenium, Total	0.185	J	mg/kg	0.842	0.109	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP
Silver, Total	0.130	J	mg/kg	0.421	0.119	1	09/14/21 21:23	09/23/21 15:42	EPA 3050B	1,6010D	MP

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2149063
Report Date: 09/28/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,06 Batch: WG1546350-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP
Barium, Total	ND		mg/kg	0.400	0.070	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP
Lead, Total	ND		mg/kg	2.00	0.107	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP
Silver, Total	ND		mg/kg	0.400	0.113	1	09/14/21 21:23	09/23/21 14:40	1,6010D	MP

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,06 Batch: WG1546352-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/14/21 22:09	09/15/21 15:09	1,7471B	OU

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BARNET MILLS

Project Number: 21-26694E

Lab Number: L2149063

Report Date: 09/28/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,06 Batch: WG1546350-2 SRM Lot Number: D109-540								
Arsenic, Total	96		-		70-130	-		
Barium, Total	92		-		75-125	-		
Cadmium, Total	101		-		75-125	-		
Chromium, Total	95		-		70-130	-		
Lead, Total	90		-		72-128	-		
Selenium, Total	98		-		68-132	-		
Silver, Total	91		-		68-131	-		
Total Metals - Mansfield Lab Associated sample(s): 02,06 Batch: WG1546352-2 SRM Lot Number: D109-540								
Mercury, Total	103		-		60-140	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,06 QC Batch ID: WG1546350-3 QC Sample: L2149091-01 Client ID: MS Sample												
Arsenic, Total	4.12	10.4	12.7	82		-	-		75-125	-		20
Barium, Total	48.9	173	346	**172**	Q	-	-		75-125	-		20
Cadmium, Total	0.084J	4.59	3.67	80		-	-		75-125	-		20
Chromium, Total	14.3	17.3	29.5	88		-	-		75-125	-		20
Lead, Total	372	45.9	412	87		-	-		75-125	-		20
Selenium, Total	0.412J	10.4	8.35	80		-	-		75-125	-		20
Silver, Total	ND	26	24.7	95		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 02,06 QC Batch ID: WG1546352-3 QC Sample: L2149091-01 Client ID: MS Sample												
Mercury, Total	0.478	0.147	0.586	**74**	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,06 QC Batch ID: WG1546350-4 QC Sample: L2149091-01 Client ID: DUP Sample						
Arsenic, Total	4.12	3.64	mg/kg	12		20
Barium, Total	48.9	135	mg/kg	**94**	Q	20
Cadmium, Total	0.084J	ND	mg/kg	NC		20
Chromium, Total	14.3	17.6	mg/kg	**21**	Q	20
Lead, Total	372	253	mg/kg	**38**	Q	20
Selenium, Total	0.412J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 02,06 QC Batch ID: WG1546352-4 QC Sample: L2149091-01 Client ID: DUP Sample						
Mercury, Total	0.478	0.625	mg/kg	**27**	Q	20

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2149063
Report Date: 09/28/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,06 QC Batch ID: WG1546350-6 QC Sample: L2149091-01 Client ID: DUP Sample						
Barium, Total	48.9	49.4	mg/kg	1		20
Lead, Total	372	456	mg/kg	**23**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-02
Client ID: SW-DR1
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 13:15
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.0		%	0.100	NA	1	-	09/15/21 12:35	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-03
Client ID: SUB-STA-1
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 14:45
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	09/15/21 12:35	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-04
Client ID: SUB-STA-2
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:15
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	09/15/21 12:35	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

SAMPLE RESULTS

Lab ID: L2149063-06
Client ID: SW-DR-2
Sample Location: RENSSELAER, NY

Date Collected: 09/10/21 15:40
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	09/15/21 12:35	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-04,06 QC Batch ID: WG1546670-1 QC Sample: L2147847-03 Client ID: DUP Sample						
Solids, Total	83.7	81.8	%	2		20

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2149063-01A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-01B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-01C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-01D	Amber 120ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8082-LVI(365)
L2149063-01E	Amber 120ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8082-LVI(365)
L2149063-02A	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		NYTCL-8270(14),NYTCL-8260-R2(14),TS(7),NYTCL-8082(365)
L2149063-02B	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2149063-02X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-02Y	Vial Water preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-02Z	Vial Water preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-03A	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-03B	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2149063-03X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-03Y	Vial Water preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-03Z	Vial Water preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-04A	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-04B	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2149063-04X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-04Y	Vial Water preserved split	A	NA		2.2	Y	Absent	**21-SEP-21 13:32**	NYTCL-8260-R2(14)
L2149063-04Z	Vial Water preserved split	A	NA		2.2	Y	Absent	**21-SEP-21 13:32**	NYTCL-8260-R2(14)
L2149063-05A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-05B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2149063
Report Date: 09/28/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2149063-05C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-06A	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		NYTCL-8270(14),NYTCL-8260-R2(14),TS(7),NYTCL-8082(365)
L2149063-06B	Vial Large Septa unpreserved (4oz)	A	NA		2.2	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2149063-06X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2149063-06Y	Vial Water preserved split	A	NA		2.2	Y	Absent	**21-SEP-21 13:32**	NYTCL-8260-R2(14)
L2149063-06Z	Vial Water preserved split	A	NA		2.2	Y	Absent	**21-SEP-21 13:32**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	BARNET MILLS	**Lab Number:**	L2149063
Project Number:	21-26694E	**Report Date:**	09/28/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BARNET MILLS	**Lab Number:**	L2149063
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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BARNET MILLS	**Lab Number:**	L2149063
Project Number:	21-26694E	**Report Date:**	09/28/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	BARNET MILLS	**Lab Number:**	L2149063
Project Number:	21-26694E	**Report Date:**	09/28/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of

Date Rec'd in Lab: 09/14/21

ALPHA Job #: L2149063

Client Information

Client: Alpine Environmental Services Inc
Address: 438 New Karner Road
Albany NY 12205
Phone: 518-588-2104
Fax:
Email: KimB@AlpineEnv.com

Project Information

Project Name: Barnet Mills
Project Location: Rensselaer NY
Project #: 21-26694E
(Use Project name as Project #)
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Billing Information

[X] Same as Client Info
PO # Attn. Mark Schnitzer

Regulatory Requirement

[ ] NY TOGS [X] NY Part 375
[ ] AWQ Standards [X] NY CP-51
[ ] NY Restricted Use [X] Other
[X] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
[ ] NJ [ ] NY
[ ] Other: NA

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] None
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260	8270 BN	PCB 8082	RCRA8 METALS	Total Bottles	Sample Specific Comments
49063-01	SW-TANK	9/10/21	1220	WTR	KB	X	X	X			
-02	SW-DR1	9/10/21	1315	SED	KB	X	X	X	X		
-03	SUB-STA-1	9/10/21	1445	SOIL	KB	X	X	X	X		
-04	SUB-STA-2	9/10/21	1515	SOIL	KB	X	X	X			
-05	SW-DR-1	9/10/21	1315	WTR	KB	X					
-06	SW-DR-2	9/10/21	1540	SED	KB	X	X	X	X		
		9/10/21			KB	X					
		9/10/21			KB	X					
		9/10/21			KB	X					
		9/10/21			KB	X					

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Kim L. Baines	9/13/21		9/13/21 11:00
			9/14/21 01:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

February 28, 2022

Mr. Bryan Davis
BBL Barnet LLC
302 Washington Avenue Extension
Albany, NY 12203

RE: Underground Storage Tank Removal Oversight, and Sampling for Closure, 20 Forbes Avenue, Rensselaer, NY; Project 21-26694-E.

Mr. Davis

The following is a summary of Alpine Environmental Services' participation in the process of identifying and documenting the removal of underground storage tanks at the referenced property.

August 31, 2021

Christy Oseback representing NYSDEC Spills was on-site and overseeing UST removals. Dan Wehn was indicated as the NYSDEC Spills rep but was away on alternate assignment and not available.

7:30 - 8:00 AM Start at Site

1,000-gallon oil/water separator Removal

An oil/water separator tank was discovered off west side of Building #5 (see drawing location in Phase II ESA Report) during the Phase II ESA GPR study. Uncovered UST and discovered a bare steel tank with pipes in and out of it but apparently not currently connected to anything but near the location where a discharge line west to the river and under the RR tracks is said to be present. Is believed that his tank was installed by prior tenant to act as an oil/water separator from storm and building drains prior to discharging to the river (discussion about this issue is present in the Alpine Phase I ESA and NYSDEC commissioned stormwater investigation report is also present in the appendix of the Phase I ESA report)
Tank was 4-feet in diameter and 10'-6" long and separated internally with a baffle system. No clear current inlet or discharge pipe connections, possibly disconnected during some prior excavation.

Tank content appeared to be all clean water. Content was pumped by Mac-Son Industrial Services of Selkirk, NY. Tank appeared mostly full and appeared to be all water and some sandy sediment. No evidence of oil or other chemical content in tank, PID screening of tank was 0.0 PPM. Mark Teleska was excavating the tank, hired Mac-Son and retained all manifest documentation from them.
No evidence of any oily or PID level impact to any of the soil around or beneath the tank. Collected bottom soil sample beneath tank (approx.. 8-ft depth, 0-2 feet below the bottom of the tank) and 4 sidewall samples at depths between 4 and 6 feet below grade, representing conditions near center depth of tank. Lab sample results attached.
Tank was left on grade and empty for disposal by Mark Teleska.

20,000-Gallon UST Removal

Mark Teleska Present as the excavating contractor with a large track excavator, removing tank. Prior to this time, Mark Teleska had retained Mac-Son Industrial to remove approximately 6-7,000 gallons of #6-oil from this tank, discovered in the tank, after Alpine discovered the tank during the Phase II ESA. Mac-Son had cut the #6-oil with diesel fuel to thin for pumping and removed all tank content and cleaning waste in large vac-truck. Mark Teleska retained contractor and all waste disposal documents. Mark can verify quantities and disposal of liquids.

Christy Oseback representing NYSDEC Spills present to observe UST removal with Kim Baines of Alpine and Mark Teleska as excavation contractor/site owner. 10:00 AM – 4:00 PM on-site removing this tank.

Tank diameter 10-feet and length = 31', approximately 18,000 - 20,000-gallons capacity.

Top of tank approximately 4feet below grade and bottom of tank approximately 14-feet below grade. Excavation constrained to the south by the road, north by Building #1 and west by railroad property and RR crossing/warning signal structure. Very limited space surrounding the tank to complete excavation and removal of such a large tank.

Concrete was covering the west end of the tank where piping for the tank vent and transfer lines exited the tank and travelled northward into the adjacent building. Mark removed concrete and lines with excavator. 6-inch thick concrete slab had covered the entire tank and had been previously removed by Mark. Mark uncovered tank and removed soil along the east end and along the length of the north side of the tank in an effort to break it free for removal. Staged clean soil in a pile to the east of the tank and along the south edge at the edge of the road. All staged soil was observed and screened with a PID to ensure that no contaminated soil was staged with clean soil. At a depth of approximately 14-15 feet below grade (at the bottom of the tank depth) black oily stained soil was

encountered throughout the length of the tank excavation and at the east end of the tank excavation. A small quantity of this soil was removed, enough to loosen the tank for removal. Petroleum contaminated soil (PCS) was staged on polyethylene plastic sheeting along the east side of the building with a soil berm around the edges beneath the plastic to ensure against oil runoff. The pile was later covered with plastic and stones to prevent stormwater exposure. An estimated total of 20-30 cubic yards of PCS was staged in this pile (quantity not verified).

UST removal
During the course of the day, Mark T worked to uncover and loosen the tank and eventually dragged it out the east end of the excavation and then around the north side of Building #1 where it was staged for disposal.

Following the tank removal, some minor exploration was performed to determine the extent of petroleum contaminated soil (PCS). The soil extended at least 16-17 feet below grade from near the bottom depth of the tank. Appeared to be deeper than tis but the excavator could not go any deeper. Because the quantity of PCS was determined to be substantial and was undefined, it was decided to leave all remaining in-ground PCS in place and backfill the excavation to make it safe. Future test boring exploration will be necessary to determine the extent of the spill impact and a feasible approach to remediate the spill. The PCS contained free product which appeared to be #6-oil. It was determined that before backfilling, Mark would install two 2-foot diameter observation/recovery wells to better determine what if any of the oil may be present as “free product” and may be captured in recovery wells.

Installation of Recovery Wells (9/1/2021) – Mark fabricated recovery wells by installing 20-feet of 2-foot diameter plastic drainage culvert pipe vertically into the deepest portions of the excavation, on the east and west ends. Mark slotted the bottom 10-feet of the pipe with a demo saw, reporting that he provided slots every 6-inches of height around the diameter of the pipe. The pipes were installed vertically in the excavation and were surrounded with crushed stone to provide a barrier and an open media packing around the well screen section that oil could flow through and into the wells. The well depths after excavation were approximately 15-feet below grade with approximately 5-feet of the 20-foot pipe sections remaining above the backfilled ground surface, The excavation was backfilled with clean soil from the excavation and imported clean crushed stone at the surface. Mark reported that the wells were later finished at the surface by cutting them below the ground surface and installing manways with concrete aprons at the surface. Alpine did not verify the final installation and did not perform and further measuring of groundwater depth or oil infiltration into the wells.

Soil analysis for compliance and disposal

Alpine collected one composite sample from the PCS pile for disposal characterization. Laboratory results for this sample analysis are attached. The PCS soil pile was still present on-site at the conclusion of Alpine's Phase II ESA site activities in September of 2021.

Excavation Soil Quality Sampling and Analysis:
Prior to backfilling the excavation and at the request of NYSDEC, Alpine collected soil samples from the perimeter walls and bottom depth of the tank excavation to determine existing soil quality conditions. 4 sidewall samples were collected (north, south, east and west walls at approximately 10-12 feet of depth) and one bottom of excavation depth sample at approximately 17 feet deep near the east end of the excavation where the recovery well was installed. Laboratory results for these sample analysis are attached.

Representative pictures of the tank removal and excavation conditions are attached.

Attachments:
Laboratory Report – Soil Samples
Pictures of Tanks Removed and excavations

Photos

20 Forbes Avenue

UST Removal

August 31, 2021

September 1, 2021

20K Gallon #6-Oil UST Being Removed

Excavation after
UST Removed

20K 6-Oil Tank Tank at Removal

20K 6-Oil Tank Tank at Removal

20K 6-Oil Tank Excavation

20K 6-Oil Tank Excavation

20,000-Gallon #6 Oil Tank Staged for Disposal

1,000-Gallon Separator Tank

1,000-Gallon Separator Tank

1,000-Gallon Separator Tank

1,000-Gallon Separator Tank

Installing Recovery Well

Installing Recovery Wells

Recovery Wells Installed

JOB: L2147162 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0400: Petroleum Cover Page - OK
0410: Petroleum Sample Results - OK
0420: Petroleum Method Blank Report - OK
0430: Petroleum LCS Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

No results found for sample L2147162-05 for product A2-PHI

ANALYTICAL REPORT

Lab Number:	L2147162
Client:	Alpine Environmental 438 New Karner Road Albany, NY 12205
ATTN:	Kim Baines
Phone:	(518) 250-4047
Project Name:	BARNET MILLS
Project Number:	21-26694E
Report Date:	09/09/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2147162-01	6-OILTANK EX WEST WALL	SOIL	RENSSELAER, NY	08/31/21 16:00	09/01/21
L2147162-02	6-OILTANK EX NORTH WALL	SOIL	RENSSELAER, NY	08/31/21 15:40	09/01/21
L2147162-03	6-OILTANK EX SOUTH WALL	SOIL	RENSSELAER, NY	08/31/21 15:30	09/01/21
L2147162-04	6-OILTANK EX EAST WALL	SOIL	RENSSELAER, NY	08/31/21 15:15	09/01/21
L2147162-05	6-OILTANK EX BOTTOM @ 17'	SOIL	RENSSELAER, NY	08/31/21 15:00	09/01/21
L2147162-06	OWS TANK BOTTOM CTR	SOIL	RENSSELAER, NY	08/31/21 08:40	09/01/21
L2147162-07	OWS TANK SOUTH WALL	SOIL	RENSSELAER, NY	08/31/21 09:00	09/01/21
L2147162-08	OWS TANK WEST WALL	SOIL	RENSSELAER, NY	08/31/21 08:45	09/01/21
L2147162-09	OWS TANK NORTH WALL	SOIL	RENSSELAER, NY	08/31/21 08:50	09/01/21
L2147162-10	OWS TANK EAST WALL	SOIL	RENSSELAER, NY	08/31/21 08:55	09/01/21

Project Name:	BARNET MILLS	**Lab Number:**	L2147162
Project Number:	21-26694E	**Report Date:**	09/09/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	BARNET MILLS	**Lab Number:**	L2147162
Project Number:	21-26694E	**Report Date:**	09/09/21

Case Narrative (continued)

Report Submission

September 09, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Volatile Organics

L2147162-02: The sample was analyzed as a methanol extract based upon screen results. The sample was then analyzed as a low-level in order to achieve lower reporting limits. The internal standard (IS) response for 1,4-dichlorobenzene-d4 (35%) and the surrogate recovery for 4-bromofluorobenzene (140%) were outside the acceptance criteria on the low-level analysis due to obvious interferences. A copy of the chromatogram is included as an attachment to this report. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

L2147162-05: The sample was analyzed as a methanol extract based upon screen results. The sample was then analyzed as a low-level in order to achieve lower reporting limits. The internal standard (IS) responses for chlorobenzene-d5 (44) and 1,4-dichlorobenzene-d4 (32%) and the surrogate recovery for 4-bromofluorobenzene (157%) were outside the acceptance criteria on the low-level analysis due to obvious interferences. A copy of the chromatogram is included as an attachment to this report. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

Semivolatile Organics

L2147162-05D, -08D, and -10D: The sample has elevated detection limits due to the dilution required by the

Project Name:	BARNET MILLS	**Lab Number:**	L2147162
Project Number:	21-26694E	**Report Date:**	09/09/21

Case Narrative (continued)

sample matrix.

Diesel Range Organics

L2147162-05D: The surrogate recovery is below the acceptance criteria for o-terphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 09/09/21

ORGANICS

VOLATILES

Project Name: BARNET MILLS **Lab Number:** L2147162

Project Number: 21-26694E **Report Date:** 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-01
Client ID: 6-OILTANK EX WEST WALL
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 16:00
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/08/21 15:36
Analyst: KJD
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.30	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: BARNET MILLS **Lab Number:** L2147162

Project Number: 21-26694E **Report Date:** 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-02 Date Collected: 08/31/21 15:40
Client ID: 6-OILTANK EX NORTH WALL Date Received: 09/01/21
Sample Location: RENSSELAER, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/09/21 10:41
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	28	9.2	1
Toluene	33	J	ug/kg	55	30.	1
Ethylbenzene	16	J	ug/kg	55	7.8	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	58	J	ug/kg	110	31.	1
o-Xylene	28	J	ug/kg	55	16.	1
n-Butylbenzene	280		ug/kg	55	9.2	1
sec-Butylbenzene	620		ug/kg	55	8.0	1
tert-Butylbenzene	18	J	ug/kg	110	6.5	1
Isopropylbenzene	90		ug/kg	55	6.0	1
p-Isopropyltoluene	ND		ug/kg	55	6.0	1
Naphthalene	66	J	ug/kg	220	36.	1
n-Propylbenzene	16	J	ug/kg	55	9.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	11.	1
1,2,4-Trimethylbenzene	48	J	ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-02
Client ID: 6-OILTANK EX NORTH WALL
Sample Location: RENSSELAER, NY
Date Collected: 08/31/21 15:40
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/09/21 14:53
Analyst: KJD
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	1.1		ug/kg	1.1	0.58	1
Ethylbenzene	0.46	J	ug/kg	1.1	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	1.0	J	ug/kg	2.2	0.60	1
o-Xylene	1.4		ug/kg	1.1	0.31	1
n-Butylbenzene	74		ug/kg	1.1	0.18	1
sec-Butylbenzene	180		ug/kg	1.1	0.16	1
tert-Butylbenzene	5.8		ug/kg	2.2	0.13	1
Isopropylbenzene	34		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	0.71	J	ug/kg	4.3	0.70	1
n-Propylbenzene	1.8		ug/kg	1.1	0.18	1
1,3,5-Trimethylbenzene	0.31	J	ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	1.0	J	ug/kg	2.2	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	**140**	Q	70-130
Dibromofluoromethane	118		70-130

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-03
Client ID: 6-OILTANK EX SOUTH WALL
Sample Location: RENSSELAER, NY
Date Collected: 08/31/21 15:30
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/08/21 16:16
Analyst: KJD
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	0.61	J	ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	107		70-130

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-04
Client ID: 6-OILTANK EX EAST WALL
Sample Location: RENSSELAER, NY
Date Collected: 08/31/21 15:15
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/09/21 00:51
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	0.31	J	ug/kg	1.1	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	0.72	J	ug/kg	2.2	0.62	1
o-Xylene	0.87	J	ug/kg	1.1	0.32	1
n-Butylbenzene	2.9		ug/kg	1.1	0.18	1
sec-Butylbenzene	5.1		ug/kg	1.1	0.16	1
tert-Butylbenzene	0.33	J	ug/kg	2.2	0.13	1
Isopropylbenzene	0.64	J	ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.68	J	ug/kg	1.1	0.12	1
Naphthalene	2.0	J	ug/kg	4.4	0.72	1
n-Propylbenzene	0.30	J	ug/kg	1.1	0.19	1
1,3,5-Trimethylbenzene	1.4	J	ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	4.2		ug/kg	2.2	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	110		70-130

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-05
Client ID: 6-OILTANK EX BOTTOM @ 17'
Sample Location: RENSSELAER, NY
Date Collected: 08/31/21 15:00
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/09/21 11:21
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	30	9.9	1
Toluene	ND		ug/kg	60	32.	1
Ethylbenzene	29	J	ug/kg	60	8.4	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	79	J	ug/kg	120	33.	1
o-Xylene	25	J	ug/kg	60	17.	1
n-Butylbenzene	360		ug/kg	60	10.	1
sec-Butylbenzene	760		ug/kg	60	8.7	1
tert-Butylbenzene	22	J	ug/kg	120	7.0	1
Isopropylbenzene	72		ug/kg	60	6.5	1
p-Isopropyltoluene	ND		ug/kg	60	6.5	1
Naphthalene	92	J	ug/kg	240	39.	1
n-Propylbenzene	32	J	ug/kg	60	10.	1
1,3,5-Trimethylbenzene	12	J	ug/kg	120	12.	1
1,2,4-Trimethylbenzene	69	J	ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-05
Client ID: 6-OILTANK EX BOTTOM @ 17'
Sample Location: RENSSELAER, NY
Date Collected: 08/31/21 15:00
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/09/21 16:13
Analyst: KJD
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	0.77	J	ug/kg	1.1	0.58	1
Ethylbenzene	0.43	J	ug/kg	1.1	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	0.75	J	ug/kg	2.1	0.60	1
o-Xylene	3.2		ug/kg	1.1	0.31	1
n-Butylbenzene	120		ug/kg	1.1	0.18	1
sec-Butylbenzene	300		ug/kg	1.1	0.16	1
tert-Butylbenzene	9.3		ug/kg	2.1	0.13	1
Isopropylbenzene	41		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	0.86	J	ug/kg	4.3	0.69	1
n-Propylbenzene	6.8		ug/kg	1.1	0.18	1
1,3,5-Trimethylbenzene	0.38	J	ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	1.8	J	ug/kg	2.1	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	**157**	Q	70-130
Dibromofluoromethane	119		70-130

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-06
Client ID: OWS TANK BOTTOM CTR
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 08:40
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/08/21 16:56
Analyst: KJD
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	1.1	J	ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	109		70-130

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-07
Client ID: OWS TANK SOUTH WALL
Sample Location: RENSSELAER, NY
Date Collected: 08/31/21 09:00
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/09/21 15:23
Analyst: KJD
Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.87	1
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**132**	Q	70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	114		70-130

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-08
Client ID: OWS TANK WEST WALL
Sample Location: RENSSELAER, NY
Date Collected: 08/31/21 08:45
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/09/21 12:54
Analyst: KJD
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	0.23	J	ug/kg	0.60	0.20	1
Toluene	2.7		ug/kg	1.2	0.65	1
Ethylbenzene	0.24	J	ug/kg	1.2	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	109		70-130

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-09
Client ID: OWS TANK NORTH WALL
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 08:50
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/09/21 13:33
Analyst: KJD
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	2.4		ug/kg	1.3	0.69	1
Ethylbenzene	0.34	J	ug/kg	1.3	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.26	1
p/m-Xylene	1.4	J	ug/kg	2.5	0.71	1
o-Xylene	0.63	J	ug/kg	1.3	0.37	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.82	1
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	108		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-10
Client ID: OWS TANK EAST WALL
Sample Location: RENSSELAER, NY
Date Collected: 08/31/21 08:55
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/09/21 14:13
Analyst: KJD
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	1.0	J	ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	1.1	J	ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.82	1
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/08/21 14:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04,06 Batch: WG1544206-5					
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	106		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/09/21 10:50
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1544531-5					
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	108		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/09/21 10:02
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,05,08-10 Batch: WG1544590-5					
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/09/21 10:02
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1544638-5					
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04,06 Batch: WG1544206-3 WG1544206-4								
Benzene	107		109		70-130	2		30
Toluene	87		88		70-130	1		30
Ethylbenzene	93		94		70-130	1		30
Methyl tert butyl ether	114		120		66-130	5		30
p/m-Xylene	92		94		70-130	2		30
o-Xylene	92		94		70-130	2		30
n-Butylbenzene	82		82		70-130	0		30
sec-Butylbenzene	85		86		70-130	1		30
tert-Butylbenzene	87		88		70-130	1		30
Isopropylbenzene	84		84		70-130	0		30
p-Isopropyltoluene	87		89		70-130	2		30
Naphthalene	79		82		70-130	4		30
n-Propylbenzene	80		81		70-130	1		30
1,3,5-Trimethylbenzene	84		85		70-130	1		30
1,2,4-Trimethylbenzene	85		86		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		93		70-130
Toluene-d8	87		86		70-130
4-Bromofluorobenzene	91		91		70-130
Dibromofluoromethane	105		106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1544531-3 WG1544531-4								
Benzene	90		95		70-130	5		30
Toluene	87		92		70-130	6		30
Ethylbenzene	88		93		70-130	6		30
Methyl tert butyl ether	90		95		66-130	5		30
p/m-Xylene	86		92		70-130	7		30
o-Xylene	86		91		70-130	6		30
n-Butylbenzene	83		89		70-130	7		30
sec-Butylbenzene	86		92		70-130	7		30
tert-Butylbenzene	86		92		70-130	7		30
Isopropylbenzene	88		92		70-130	4		30
p-Isopropyltoluene	83		88		70-130	6		30
Naphthalene	74		81		70-130	9		30
n-Propylbenzene	86		91		70-130	6		30
1,3,5-Trimethylbenzene	86		91		70-130	6		30
1,2,4-Trimethylbenzene	84		90		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		111		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	107		107		70-130
Dibromofluoromethane	104		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05,08-10 Batch: WG1544590-3 WG1544590-4								
Benzene	115		114		70-130	1		30
Toluene	90		89		70-130	1		30
Ethylbenzene	96		96		70-130	0		30
Methyl tert butyl ether	120		124		66-130	3		30
p/m-Xylene	96		96		70-130	0		30
o-Xylene	96		96		70-130	0		30
n-Butylbenzene	84		83		70-130	1		30
sec-Butylbenzene	87		86		70-130	1		30
tert-Butylbenzene	89		88		70-130	1		30
Isopropylbenzene	85		85		70-130	0		30
p-Isopropyltoluene	90		89		70-130	1		30
Naphthalene	77		80		70-130	4		30
n-Propylbenzene	82		81		70-130	1		30
1,3,5-Trimethylbenzene	86		85		70-130	1		30
1,2,4-Trimethylbenzene	86		86		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		92		70-130
Toluene-d8	85		85		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	107		108		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1544638-3 WG1544638-4								
Benzene	115		114		70-130	1		30
Toluene	90		89		70-130	1		30
Ethylbenzene	96		96		70-130	0		30
Methyl tert butyl ether	120		124		66-130	3		30
p/m-Xylene	96		96		70-130	0		30
o-Xylene	96		96		70-130	0		30
n-Butylbenzene	84		83		70-130	1		30
sec-Butylbenzene	87		86		70-130	1		30
tert-Butylbenzene	89		88		70-130	1		30
Isopropylbenzene	85		85		70-130	0		30
p-Isopropyltoluene	90		89		70-130	1		30
Naphthalene	77		80		70-130	4		30
n-Propylbenzene	82		81		70-130	1		30
1,3,5-Trimethylbenzene	86		85		70-130	1		30
1,2,4-Trimethylbenzene	86		86		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		92		70-130
Toluene-d8	85		85		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	107		108		70-130

SEMIVOLATILES

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-01
Client ID: 6-OILTANK EX WEST WALL
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 16:00
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/06/21 19:36
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/05/21 10:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	84	J	ug/kg	140	19.	1
Fluoranthene	4300		ug/kg	110	21.	1
Benzo(a)anthracene	2900		ug/kg	110	20.	1
Benzo(a)pyrene	2200		ug/kg	140	44.	1
Benzo(b)fluoranthene	3200		ug/kg	110	31.	1
Benzo(k)fluoranthene	860		ug/kg	110	29.	1
Chrysene	2400		ug/kg	110	19.	1
Acenaphthylene	440		ug/kg	140	28.	1
Anthracene	820		ug/kg	110	36.	1
Benzo(ghi)perylene	1200		ug/kg	140	21.	1
Fluorene	170	J	ug/kg	180	18.	1
Phenanthrene	1700		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	440		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	140	25.	1
Pyrene	3500		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	67		30-120
4-Terphenyl-d14	66		18-120

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-02
Client ID: 6-OILTANK EX NORTH WALL
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 15:40
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/06/21 20:42
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/05/21 10:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	34	J	ug/kg	140	19.	1
Fluoranthene	210		ug/kg	110	21.	1
Benzo(a)anthracene	230		ug/kg	110	20.	1
Benzo(a)pyrene	180		ug/kg	140	44.	1
Benzo(b)fluoranthene	200		ug/kg	110	30.	1
Benzo(k)fluoranthene	56	J	ug/kg	110	29.	1
Chrysene	240		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	54	J	ug/kg	110	35.	1
Benzo(ghi)perylene	160		ug/kg	140	21.	1
Fluorene	76	J	ug/kg	180	18.	1
Phenanthrene	320		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	40	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	140	25.	1
Pyrene	330		ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	60		30-120
4-Terphenyl-d14	63		18-120

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-03
Client ID: 6-OILTANK EX SOUTH WALL
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 15:30
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/06/21 17:47
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/05/21 10:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
Fluoranthene	96	J	ug/kg	110	21.	1
Benzo(a)anthracene	89	J	ug/kg	110	20.	1
Benzo(a)pyrene	90	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	120		ug/kg	110	30.	1
Benzo(k)fluoranthene	38	J	ug/kg	110	29.	1
Chrysene	94	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	87	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	63	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	64	J	ug/kg	140	25.	1
Pyrene	100	J	ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	71		30-120
4-Terphenyl-d14	74		18-120

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-04
Client ID: 6-OILTANK EX EAST WALL
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 15:15
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/06/21 21:04
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/05/21 10:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	29	J	ug/kg	140	19.	1
Fluoranthene	38	J	ug/kg	110	21.	1
Benzo(a)anthracene	60	J	ug/kg	110	20.	1
Benzo(a)pyrene	76	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	49	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	140		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	58	J	ug/kg	140	21.	1
Fluorene	67	J	ug/kg	180	18.	1
Phenanthrene	180		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	100	J	ug/kg	110	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	74		30-120
4-Terphenyl-d14	78		18-120

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-05 D
Client ID: 6-OILTANK EX BOTTOM @ 17'
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 15:00
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/09/21 14:47
Analyst: IM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/05/21 10:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1400	J	ug/kg	1500	190	10
Fluoranthene	420	J	ug/kg	1100	210	10
Benzo(a)anthracene	1500		ug/kg	1100	210	10
Benzo(a)pyrene	700	J	ug/kg	1500	450	10
Benzo(b)fluoranthene	330	J	ug/kg	1100	310	10
Benzo(k)fluoranthene	ND		ug/kg	1100	300	10
Chrysene	2600		ug/kg	1100	190	10
Acenaphthylene	ND		ug/kg	1500	290	10
Anthracene	990	J	ug/kg	1100	360	10
Benzo(ghi)perylene	250	J	ug/kg	1500	220	10
Fluorene	2700		ug/kg	1900	180	10
Phenanthrene	8100		ug/kg	1100	230	10
Dibenzo(a,h)anthracene	240	J	ug/kg	1100	220	10
Indeno(1,2,3-cd)pyrene	ND		ug/kg	1500	260	10
Pyrene	2700		ug/kg	1100	180	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	54		30-120
4-Terphenyl-d14	52		18-120

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-06
Client ID: OWS TANK BOTTOM CTR
Sample Location: RENSSELAER, NY
Date Collected: 08/31/21 08:40
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/06/21 18:08
Analyst: WR
Percent Solids: 81%
Extraction Method: EPA 3546
Extraction Date: 09/05/21 10:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	760		ug/kg	120	23.	1
Benzo(a)anthracene	480		ug/kg	120	23.	1
Benzo(a)pyrene	400		ug/kg	160	50.	1
Benzo(b)fluoranthene	570		ug/kg	120	34.	1
Benzo(k)fluoranthene	150		ug/kg	120	32.	1
Chrysene	420		ug/kg	120	21.	1
Acenaphthylene	120	J	ug/kg	160	31.	1
Anthracene	98	J	ug/kg	120	40.	1
Benzo(ghi)perylene	220		ug/kg	160	24.	1
Fluorene	30	J	ug/kg	200	20.	1
Phenanthrene	300		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	62	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	240		ug/kg	160	28.	1
Pyrene	640		ug/kg	120	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	81		30-120
4-Terphenyl-d14	87		18-120

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-07
Client ID: OWS TANK SOUTH WALL
Sample Location: RENSSELAER, NY
Date Collected: 08/31/21 09:00
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/06/21 18:30
Analyst: WR
Percent Solids: 69%
Extraction Method: EPA 3546
Extraction Date: 09/05/21 10:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	100	J	ug/kg	190	25.	1
Fluoranthene	2800		ug/kg	140	27.	1
Benzo(a)anthracene	1500		ug/kg	140	27.	1
Benzo(a)pyrene	1100		ug/kg	190	58.	1
Benzo(b)fluoranthene	1400		ug/kg	140	40.	1
Benzo(k)fluoranthene	570		ug/kg	140	38.	1
Chrysene	1200		ug/kg	140	25.	1
Acenaphthylene	480		ug/kg	190	37.	1
Anthracene	580		ug/kg	140	46.	1
Benzo(ghi)perylene	560		ug/kg	190	28.	1
Fluorene	320		ug/kg	240	23.	1
Phenanthrene	2000		ug/kg	140	29.	1
Dibenzo(a,h)anthracene	200		ug/kg	140	28.	1
Indeno(1,2,3-cd)pyrene	670		ug/kg	190	33.	1
Pyrene	2100		ug/kg	140	24.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	53		30-120
4-Terphenyl-d14	54		18-120

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-08 D
Client ID: OWS TANK WEST WALL
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 08:45
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/09/21 13:20
Analyst: IM
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/05/21 10:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	830	110	5
Fluoranthene	1000		ug/kg	620	120	5
Benzo(a)anthracene	610	J	ug/kg	620	120	5
Benzo(a)pyrene	450	J	ug/kg	830	250	5
Benzo(b)fluoranthene	630		ug/kg	620	170	5
Benzo(k)fluoranthene	220	J	ug/kg	620	160	5
Chrysene	480	J	ug/kg	620	110	5
Acenaphthylene	ND		ug/kg	830	160	5
Anthracene	200	J	ug/kg	620	200	5
Benzo(ghi)perylene	310	J	ug/kg	830	120	5
Fluorene	ND		ug/kg	1000	100	5
Phenanthrene	770		ug/kg	620	130	5
Dibenzo(a,h)anthracene	ND		ug/kg	620	120	5
Indeno(1,2,3-cd)pyrene	340	J	ug/kg	830	140	5
Pyrene	850		ug/kg	620	100	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	60		30-120
4-Terphenyl-d14	58		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-09
Client ID: OWS TANK NORTH WALL
Sample Location: RENSSELAER, NY
Date Collected: 08/31/21 08:50
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/06/21 21:48
Analyst: WR
Percent Solids: 75%
Extraction Method: EPA 3546
Extraction Date: 09/05/21 10:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	71	J	ug/kg	180	23.	1
Fluoranthene	1500		ug/kg	130	25.	1
Benzo(a)anthracene	890		ug/kg	130	25.	1
Benzo(a)pyrene	710		ug/kg	180	53.	1
Benzo(b)fluoranthene	910		ug/kg	130	37.	1
Benzo(k)fluoranthene	370		ug/kg	130	35.	1
Chrysene	750		ug/kg	130	23.	1
Acenaphthylene	230		ug/kg	180	34.	1
Anthracene	270		ug/kg	130	43.	1
Benzo(ghi)perylene	320		ug/kg	180	26.	1
Fluorene	96	J	ug/kg	220	21.	1
Phenanthrene	910		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	400		ug/kg	180	30.	1
Pyrene	1200		ug/kg	130	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	73		30-120
4-Terphenyl-d14	70		18-120

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-10 D
Client ID: OWS TANK EAST WALL
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 08:55
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/09/21 15:31
Analyst: IM
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 09/05/21 10:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	760	J	ug/kg	870	110	5
Fluoranthene	7600		ug/kg	650	120	5
Benzo(a)anthracene	3500		ug/kg	650	120	5
Benzo(a)pyrene	2900		ug/kg	870	260	5
Benzo(b)fluoranthene	3700		ug/kg	650	180	5
Benzo(k)fluoranthene	1100		ug/kg	650	170	5
Chrysene	3200		ug/kg	650	110	5
Acenaphthylene	ND		ug/kg	870	170	5
Anthracene	2300		ug/kg	650	210	5
Benzo(ghi)perylene	1900		ug/kg	870	130	5
Fluorene	1200		ug/kg	1100	100	5
Phenanthrene	7400		ug/kg	650	130	5
Dibenzo(a,h)anthracene	430	J	ug/kg	650	120	5
Indeno(1,2,3-cd)pyrene	2000		ug/kg	870	150	5
Pyrene	5900		ug/kg	650	110	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	68		30-120
4-Terphenyl-d14	62		18-120

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/06/21 13:56
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 09/05/21 10:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1543183-1					
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	99	19.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	86		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1543183-2 WG1543183-3								
Acenaphthene	80		79		31-137	1		50
Fluoranthene	89		86		40-140	3		50
Benzo(a)anthracene	84		82		40-140	2		50
Benzo(a)pyrene	87		83		40-140	5		50
Benzo(b)fluoranthene	89		86		40-140	3		50
Benzo(k)fluoranthene	85		83		40-140	2		50
Chrysene	84		81		40-140	4		50
Acenaphthylene	87		83		40-140	5		50
Anthracene	83		81		40-140	2		50
Benzo(ghi)perylene	84		81		40-140	4		50
Fluorene	82		82		40-140	0		50
Phenanthrene	83		81		40-140	2		50
Dibenzo(a,h)anthracene	84		81		40-140	4		50
Indeno(1,2,3-cd)pyrene	84		82		40-140	2		50
Pyrene	87		85		35-142	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		76		25-120
Phenol-d6	89		85		10-120
Nitrobenzene-d5	83		82		23-120
2-Fluorobiphenyl	81		78		30-120
2,4,6-Tribromophenol	83		78		10-136
4-Terphenyl-d14	89		85		18-120

PETROLEUM HYDROCARBONS

Project Name: BARNET MILLS
Lab Number: L2147162
Project Number: 21-26694E
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-05 D
Client ID: 6-OILTANK EX BOTTOM @ 17'
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 15:00
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 09/08/21 15:43
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/05/21 12:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Diesel Range Organics - Westborough Lab						
DRO (C10-C28)	7200000		ug/kg	1800000	100000	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	**0**	Q	40-140

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 09/07/21 09:39
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 09/05/21 08:28

Parameter	Result	Qualifier	Units	RL	MDL
Diesel Range Organics - Westborough Lab for sample(s): 05 Batch: WG1543166-1					
DRO (C10-C28)	ND		ug/kg	33000	1800

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	109		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Diesel Range Organics - Westborough Lab Associated sample(s): 05 Batch: WG1543166-2								
DRO (C10-C28)	118		-		60-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	102				40-140

INORGANICS
&
MISCELLANEOUS

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-01
Client ID: 6-OILTANK EX WEST WALL
Sample Location: RENSSELAER, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/31/21 16:00
Date Received: 09/01/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	09/03/21 08:17	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-02
Client ID: 6-OILTANK EX NORTH WALL
Sample Location: RENSSELAER, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/31/21 15:40
Date Received: 09/01/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	09/03/21 08:17	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-03
Client ID: 6-OILTANK EX SOUTH WALL
Sample Location: RENSSELAER, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/31/21 15:30
Date Received: 09/01/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	09/03/21 08:17	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-04
Client ID: 6-OILTANK EX EAST WALL
Sample Location: RENSSELAER, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/31/21 15:15
Date Received: 09/01/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	09/03/21 08:17	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-05
Client ID: 6-OILTANK EX BOTTOM @ 17'
Sample Location: RENSSELAER, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/31/21 15:00
Date Received: 09/01/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	09/03/21 08:17	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-06
Client ID: OWS TANK BOTTOM CTR
Sample Location: RENSSELAER, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/31/21 08:40
Date Received: 09/01/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	09/03/21 08:17	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-07
Client ID: OWS TANK SOUTH WALL
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 09:00
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.4		%	0.100	NA	1	-	09/03/21 08:17	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-08
Client ID: OWS TANK WEST WALL
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 08:45
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.7		%	0.100	NA	1	-	09/03/21 08:17	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E
Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-09
Client ID: OWS TANK NORTH WALL
Sample Location: RENSSELAER, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/31/21 08:50
Date Received: 09/01/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.3		%	0.100	NA	1	-	09/03/21 08:17	121,2540G	RI

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

SAMPLE RESULTS

Lab ID: L2147162-10
Client ID: OWS TANK EAST WALL
Sample Location: RENSSELAER, NY

Date Collected: 08/31/21 08:55
Date Received: 09/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.1		%	0.100	NA	1	-	09/03/21 08:17	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1542610-1 QC Sample: L2147162-01 Client ID: 6-OILTANK EX WEST WALL						
Solids, Total	91.3	91.7	%	0		20

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2147162-01A	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-01B	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-PAH(14),TS(7)
L2147162-01X	Vial MeOH preserved split	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-01Y	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-01Z	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-02A	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-02B	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-PAH(14),TS(7)
L2147162-02X	Vial MeOH preserved split	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-02Y	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-02Z	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-03A	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-03B	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-PAH(14),TS(7)
L2147162-03X	Vial MeOH preserved split	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-03Y	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-03Z	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-04A	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-04B	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-PAH(14),TS(7)
L2147162-04X	Vial MeOH preserved split	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-04Y	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-04Z	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-05A	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-05B	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-PAH(14),TS(7),A2-PHI(14)
L2147162-05C	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		TPH-DRO(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2147162-05X	Vial MeOH preserved split	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-05Y	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-05Z	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-06A	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-06B	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-PAH(14),TS(7)
L2147162-06X	Vial MeOH preserved split	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-06Y	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-06Z	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-07A	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-07B	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-PAH(14),TS(7)
L2147162-07X	Vial MeOH preserved split	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-07Y	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-07Z	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-08A	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-08B	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-PAH(14),TS(7)
L2147162-08X	Vial MeOH preserved split	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-08Y	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-08Z	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-09A	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-09B	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-PAH(14),TS(7)
L2147162-09X	Vial MeOH preserved split	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-09Y	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-09Z	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-10A	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-10B	Vial Large Septa unpreserved (4oz)	A	NA		5.7	Y	Absent		NYCP51-PAH(14),TS(7)
L2147162-10X	Vial MeOH preserved split	A	NA		5.7	Y	Absent		NYCP51-8260(14)
L2147162-10Y	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)
L2147162-10Z	Vial Water preserved split	A	NA		5.7	Y	Absent	**04-SEP-21 13:37**	NYCP51-8260(14)

*Values in parentheses indicate holding time in days

Project Name: BARNET MILLS
Project Number: 21-26694E

Lab Number: L2147162
Report Date: 09/09/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

*Values in parentheses indicate holding time in days

Project Name:	BARNET MILLS	**Lab Number:**	L2147162
Project Number:	21-26694E	**Report Date:**	09/09/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BARNET MILLS	**Lab Number:**	L2147162
Project Number:	21-26694E	**Report Date:**	09/09/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BARNET MILLS	**Lab Number:**	L2147162
Project Number:	21-26694E	**Report Date:**	09/09/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	BARNET MILLS	**Lab Number:**	L2147162
Project Number:	21-26694E	**Report Date:**	09/09/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of

Date Rec'd in Lab 09/02/21

ALPHA Job # L2147162

Client Information
Client: Alpine Environmental Services Inc
Address: 438 New Karner Road
Albany NY 12205
Phone: 518-588-2104
Fax:
Email: KimB@AlpineEnv.com

Project Information
Project Name: Barnet Mills
Project Location: Rensselaer NY
Project #: 21-26694E
(Use Project name as Project #)
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard [✓]
Rush (only if pre approved) [ ]
Due Date:
# of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [✓] NY Part 375
[ ] AWQ Standards [✓] NY CP-51
[ ] NY Restricted Use [✓] Other
[✓] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[✓] Same as Client Info
PO # Attn. Mark Schnitzer

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other: NA

These samples have been previously analyzed by Alpha [ ]
Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] one
[ ] ab to do
Preservation
[ ] ab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 CP-51	8270 CP-51	TPH 8015-DRO	Total Bottles	Sample Specific Comments
49162-01	6 OIL TANK EX WEST WALL	8/31/21	1600	GW	KB	X	X			
-02	6-OIL TANK EX NORTH WALL	8/31/21	1540	GW	KB	X	X			
-03	6-OIL TANK EX SOUTH WALL	8/31/21	1530	GW	KB	X	X			
-04	6-OIL TANK EX EAST WALL	8/31/21	1515	GW	KB	X	X			
-05	6-OIL TANK EX BOTTOM CTR	8/31/21	1500	GW	KB	X	X	X		
-06	OWS TANK BOTTOM CTR	8/31/21	840	GW	KB	X	X			
-07	OWS TANK SOUTH WALL	8/31/21	900	GW	KB	X	X			
-08	OWS TANK WEST WALL	8/31/21	845	GW	KB	X	X			
-09	OWS TANK NORTH WALL	8/31/21	850	GW	KB	X	X			
-10	OWS TANK EAST WALL	8/31/21	855	GW	KB	X	X			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Kim L. Baines	9/1/21 12:24		9/1/21 13:25
	9/1/21 13:49		9/2/21 6:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

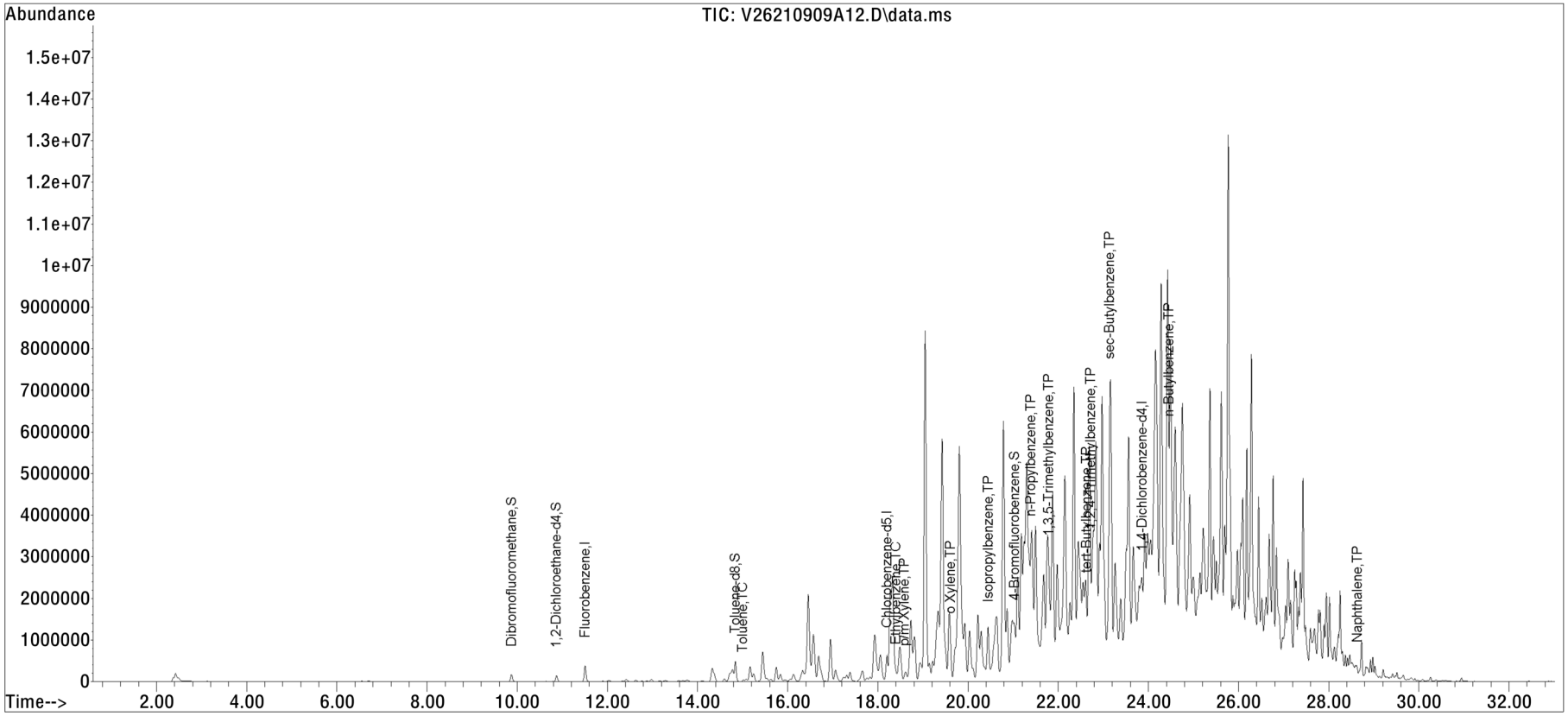
Form No: 01-25 (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2021\210909A\
Data File : V26210909A12.D
Acq On : 09 Sep 2021 02:53 pm
Operator : VOA126:KJD
Sample : L2147162-02,31,5.08,5,,Y
Misc : WG1544590,ICAL17987
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 09 16:13:41 2021
Quant Method : I:\VOLATILES\VOA126\2021\210909A\V126_210520N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 21 13:29:13 2021
Response via : Initial Calibration

Sub List : 8260-NYCP51 - NYCP51126\2021\210909A\V26210909A01.D•

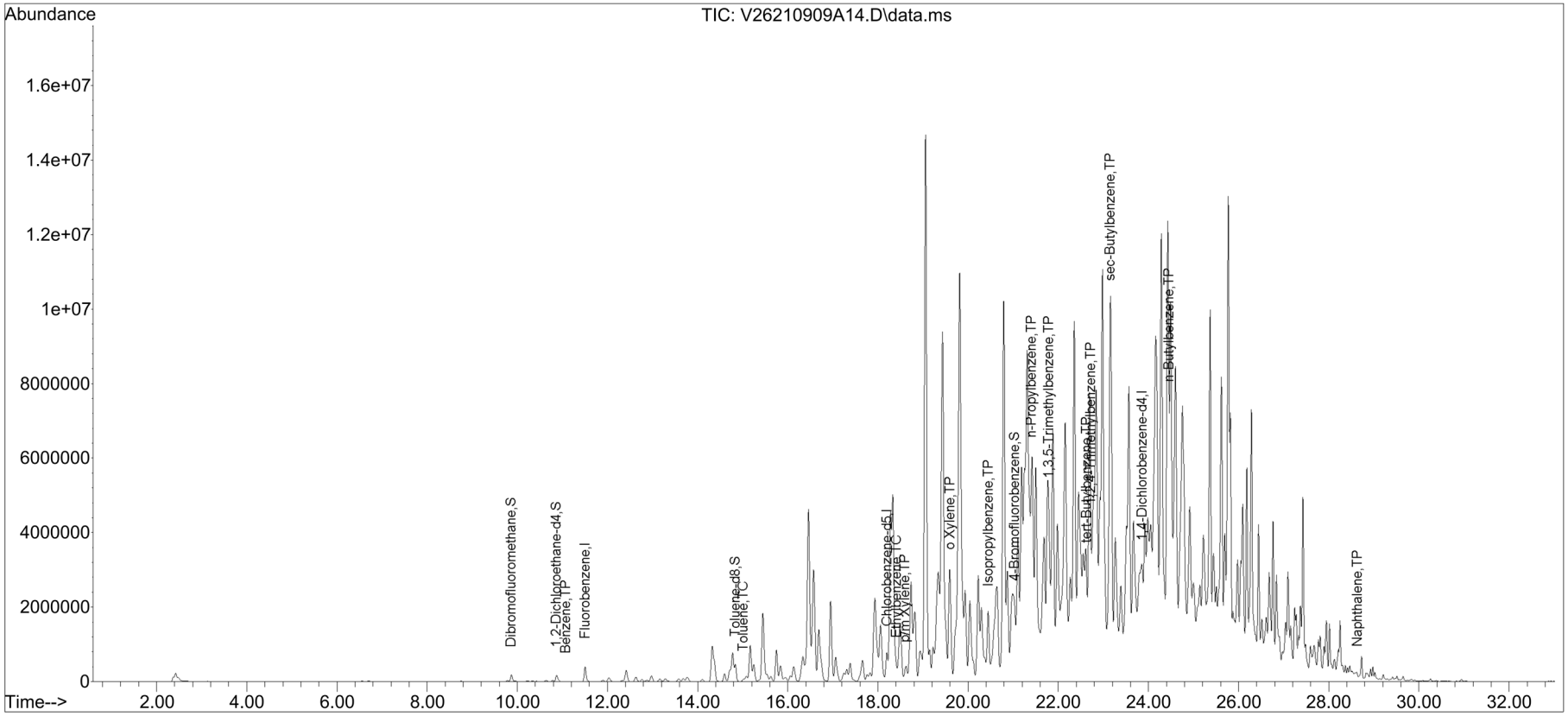


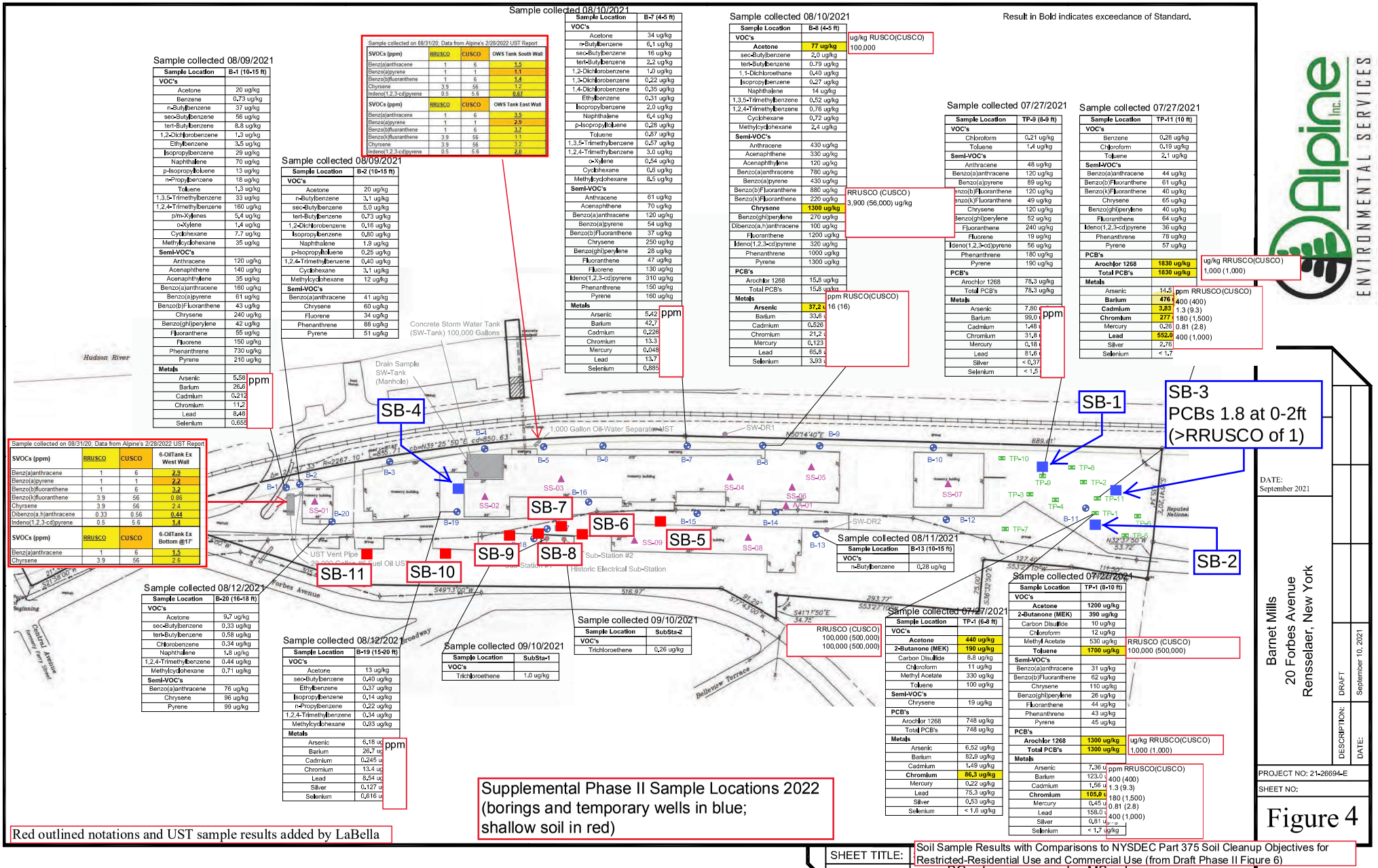
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA126\2021\210909A\
Data File : V26210909A14.D
Acq On : 09 Sep 2021 04:13 pm
Operator : VOA126:KJD
Sample : L2147162-05,31,5.25,5,,Y
Misc : WG1544590,ICAL17987
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 09 16:56:37 2021
Quant Method : I:\VOLATILES\VOA126\2021\210909A\V126_210520N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 21 13:29:13 2021
Response via : Initial Calibration

Sub List : 8260-NYCP51 - NYCP51126\2021\210909A\V26210909A01.D•





Sample collected 08/09/2021

Sample Location	B-1 (10-15 ft)
VOC's	
Acetone	20 ug/kg
Benzene	0.73 ug/kg
n-Butylbenzene	37 ug/kg
sec-Butylbenzene	56 ug/kg
tert-Butylbenzene	8.8 ug/kg
1,2-Dichlorobenzene	1.3 ug/kg
Ethylbenzene	3.5 ug/kg
Isopropylbenzene	29 ug/kg
Naphthalene	70 ug/kg
p-Isopropyltoluene	13 ug/kg
n-Propylbenzene	18 ug/kg
Toluene	1.3 ug/kg
1,3,5-Trimethylbenzene	33 ug/kg
1,2,4-Trimethylbenzene	160 ug/kg
p/m-Xylenes	5.4 ug/kg
o-Xylene	1.4 ug/kg
Cyclohexane	7.7 ug/kg
Methylcyclohexane	35 ug/kg
Semi-VOC's	
Anthracene	120 ug/kg
Acenaphthene	140 ug/kg
Acenaphthylene	35 ug/kg
Benzo(a)anthracene	160 ug/kg
Benzo(a)pyrene	61 ug/kg
Benzo(b)Fluoranthene	43 ug/kg
Chrysene	240 ug/kg
Benzo(ghi)perylene	42 ug/kg
Fluoranthene	55 ug/kg
Fluorene	150 ug/kg
Phenanthrene	730 ug/kg
Pyrene	210 ug/kg
Metals	
Arsenic	5.58
Barium	26.6
Cadmium	0.212
Chromium	11.2
Lead	8.48
Selenium	0.655

ppm

Sample collected on 08/31/20; Data from Alpine's 2/28/2022 UST Report

SVOCs (ppm)	RRUSCO	CUSCO	6-OilTank Ex West Wall
Benz(a)anthracene	1	6	2.9
Benzo(a)pyrene	1	1	2.2
Benzo(b)fluoranthene	1	6	3.2
Benzo(k)fluoranthene	3.9	56	0.86
Chrysene	3.9	56	2.4
Dibenzo(a,h)anthracene	0.33	0.56	0.44
Indeno(1,2,3-cd)pyrene	0.5	5.6	1.4
SVOCs (ppm)	**RRUSCO**	**CUSCO**	**6-OilTank Ex Bottom @17'**
Benz(a)anthracene	1	6	1.5
Chrysene	3.9	56	2.6

Sample collected 08/12/2021

Sample Location	B-20 (16-18 ft)
VOC's	
Acetone	9.7 ug/kg
sec-Butylbenzene	0.33 ug/kg
tert-Butylbenzene	0.58 ug/kg
Chlorobenzene	0.34 ug/kg
Naphthalene	1.8 ug/kg
1,2,4-Trimethylbenzene	0.44 ug/kg
Methylcyclohexane	0.71 ug/kg
Semi-VOC's	
Benzo(a)anthracene	76 ug/kg
Chrysene	96 ug/kg
Pyrene	99 ug/kg

Sample collected 08/09/2021

Sample Location	B-2 (10-15 ft)
VOC's	
Acetone	20 ug/kg
n-Butylbenzene	3.1 ug/kg
sec-Butylbenzene	5.0 ug/kg
tert-Butylbenzene	0.73 ug/kg
1,2-Dichlorobenzene	0.16 ug/kg
Isopropylbenzene	0.80 ug/kg
Naphthalene	1.9 ug/kg
p-Isopropyltoluene	0.25 ug/kg
1,2,4-Trimethylbenzene	0.40 ug/kg
Cyclohexane	3.1 ug/kg
Methylcyclohexane	12 ug/kg
Semi-VOC's	
Benzo(a)anthracene	41 ug/kg
Chrysene	60 ug/kg
Fluorene	34 ug/kg
Phenanthrene	88 ug/kg
Pyrene	51 ug/kg

Sample collected 08/12/2021

Sample Location	B-19 (15-20 ft)
VOC's	
Acetone	13 ug/kg
sec-Butylbenzene	0.40 ug/kg
Ethylbenzene	0.37 ug/kg
Isopropylbenzene	0.14 ug/kg
n-Propylbenzene	0.22 ug/kg
1,2,4-Trimethylbenzene	0.34 ug/kg
Methylcyclohexane	0.33 ug/kg
Metals	
Arsenic	6.18 ug
Barium	26.7 ug
Cadmium	0.245 u
Chromium	13.4 ug
Lead	8.54 ug
Silver	0.127 u
Selenium	0.616 u

ppm

Sample collected on 08/31/20; Data from Alpine's 2/28/2022 UST Report

SVOCs (ppm)	RRUSCO	CUSCO	OWS Tank South Wall
Benz(a)anthracene	1	6	1.5
Benzo(a)pyrene	1	1	1.1
Benzo(b)fluoranthene	1	6	1.4
Chrysene	3.9	56	1.2
Indeno(1,2,3-cd)pyrene	0.5	5.6	0.67
SVOCs (ppm)	**RRUSCO**	**CUSCO**	**OWS Tank East Wall**
Benz(a)anthracene	1	6	3.5
Benzo(a)pyrene	1	1	2.9
Benzo(b)fluoranthene	1	6	3.7
Benzo(k)fluoranthene	3.9	56	1.1
Chrysene	3.9	56	3.2
Indeno(1,2,3-cd)pyrene	0.5	5.6	2.0

Sample collected 08/10/2021

Sample Location	B-7 (4-5 ft)
VOC's	
Acetone	34 ug/kg
n-Butylbenzene	6.1 ug/kg
sec-Butylbenzene	16 ug/kg
tert-Butylbenzene	2.2 ug/kg
1,2-Dichlorobenzene	1.0 ug/kg
1,3-Dichlorobenzene	0.22 ug/kg
1,4-Dichlorobenzene	0.35 ug/kg
Ethylbenzene	0.31 ug/kg
Isopropylbenzene	2.0 ug/kg
Naphthalene	6.4 ug/kg
p-Isopropyltoluene	0.28 ug/kg
Toluene	0.87 ug/kg
1,3,5-Trimethylbenzene	0.57 ug/kg
1,2,4-Trimethylbenzene	3.0 ug/kg
o-Xylene	0.54 ug/kg
Cyclohexane	0.6 ug/kg
Methylcyclohexane	8.5 ug/kg
Semi-VOC's	
Anthracene	61 ug/kg
Acenaphthene	70 ug/kg
Benzo(a)anthracene	120 ug/kg
Benzo(a)pyrene	54 ug/kg
Benzo(b)Fluoranthene	37 ug/kg
Chrysene	250 ug/kg
Benzo(ghi)perylene	28 ug/kg
Fluoranthene	47 ug/kg
Fluorene	130 ug/kg
Ideno(1,2,3-cd)pyrene	310 ug/kg
Phenanthrene	150 ug/kg
Pyrene	160 ug/kg
Metals	
Arsenic	5.42
Barium	42.7
Cadmium	0.226
Chromium	13.3
Mercury	0.048
Lead	13.7
Selenium	0.885

ppm

Sample collected 08/10/2021

Sample Location	B-8 (4-5 ft)
VOC's	
Acetone	**77 ug/kg**
sec-Butylbenzene	2.0 ug/kg
tert-Butylbenzene	0.79 ug/kg
1,1-Dichloroethane	0.40 ug/kg
Isopropylbenzene	0.27 ug/kg
Naphthalene	14 ug/kg
1,3,5-Trimethylbenzene	0.52 ug/kg
1,2,4-Trimethylbenzene	0.76 ug/kg
Cyclohexane	0.72 ug/kg
Methylcyclohexane	2.4 ug/kg
Semi-VOC's	
Anthracene	430 ug/kg
Acenaphthene	330 ug/kg
Acenaphthylene	120 ug/kg
Benzo(a)anthracene	780 ug/kg
Benzo(a)pyrene	430 ug/kg
Benzo(b)Fluoranthene	880 ug/kg
Benzo(k)Fluoranthene	220 ug/kg
Chrysene	**1300 ug/kg**
Benzo(ghi)perylene	270 ug/kg
Dibenzo(a,h)anthracene	100 ug/kg
Fluoranthene	1200 ug/kg
Ideno(1,2,3-cd)pyrene	320 ug/kg
Phenanthrene	1000 ug/kg
Pyrene	1300 ug/kg
PCB's	
Arochlor 1268	15.8 ug/kg
Total PCB's	15.8 ug/kg
Metals	
Arsenic	**37.2**
Barium	33.6
Cadmium	0.526
Chromium	21.2
Mercury	0.123
Lead	65.8
Selenium	3.93

ug/kg RUSCO(CUSCO) 100,000

RRUSCO (CUSCO) 3,900 (56,000) ug/kg

ppm RUSCO(CUSCO) 16 (16)

ppm

Sample collected 07/27/2021

Sample Location	TP-9 (8-9 ft)
VOC's	
Chloroform	0.21 ug/kg
Toluene	1.4 ug/kg
Semi-VOC's	
Anthracene	48 ug/kg
Benzo(a)anthracene	120 ug/kg
Benzo(a)pyrene	89 ug/kg
Benzo(b)Fluoranthene	120 ug/kg
Benzo(k)Fluoranthene	49 ug/kg
Chrysene	120 ug/kg
Benzo(ghi)perylene	52 ug/kg
Fluoranthene	240 ug/kg
Fluorene	19 ug/kg
Ideno(1,2,3-cd)pyrene	56 ug/kg
Phenanthrene	180 ug/kg
Pyrene	190 ug/kg
PCB's	
Arochlor 1268	78.3 ug/kg
Total PCB's	78.3 ug/kg
Metals	
Arsenic	7.80
Barium	99.0
Cadmium	1.48
Chromium	31.8
Mercury	0.18
Lead	81.6
Silver	< 0.37
Selenium	< 1.5

ppm

Sample collected 07/27/2021

Sample Location	TP-11 (10 ft)
VOC's	
Benzene	0.28 ug/kg
Chloroform	0.19 ug/kg
Toluene	2.1 ug/kg
Semi-VOC's	
Benzo(a)anthracene	44 ug/kg
Benzo(b)Fluoranthene	61 ug/kg
Benzo(k)Fluoranthene	40 ug/kg
Chrysene	65 ug/kg
Benzo(ghi)perylene	40 ug/kg
Fluoranthene	64 ug/kg
Ideno(1,2,3-cd)pyrene	36 ug/kg
Phenanthrene	78 ug/kg
Pyrene	57 ug/kg
PCB's	
Arochlor 1268	**1830 ug/kg**
Total PCB's	**1830 ug/kg**
Metals	
Arsenic	14.5
Barium	**476**
Cadmium	**3.83**
Chromium	**277**
Mercury	0.26
Lead	**552.0**
Silver	2.76
Selenium	< 1.7

ug/kg RRUSCO(CUSCO) 1,000 (1,000)

ppm RRUSCO(CUSCO) 400 (400) 1.3 (9.3) 180 (1,500) 0.81 (2.8) 400 (1,000)

Sample collected 08/11/2021

Sample Location	B-13 (10-15 ft)
VOC's	
n-Butylbenzene	0.28 ug/kg

Sample collected 09/10/2021

Sample Location	SubSta-1
VOC's	
Trichloroethene	1.0 ug/kg

Sample collected 09/10/2021

Sample Location	SubSta-2
VOC's	
Trichloroethene	0.26 ug/kg

Sample collected 07/27/2021

Sample Location	TP-1 (6-8 ft)
VOC's	
Acetone	**440 ug/kg**
2-Butanone (MEK)	**190 ug/kg**
Carbon Disulfide	8.8 ug/kg
Chloroform	11 ug/kg
Methyl Acetate	330 ug/kg
Toluene	100 ug/kg
Semi-VOC's	
Chrysene	19 ug/kg
PCB's	
Arochlor 1268	748 ug/kg
Total PCB's	748 ug/kg
Metals	
Arsenic	6.52 ug/kg
Barium	82.9 ug/kg
Cadmium	1.49 ug/kg
Chromium	**86.3 ug/kg**
Mercury	0.22 ug/kg
Lead	76.3 ug/kg
Silver	0.53 ug/kg
Selenium	< 1.6 ug/kg

RRUSCO (CUSCO) 100,000 (500,000) 100,000 (500,000)

Sample collected 07/27/2021

Sample Location	TP-1 (8-10 ft)
VOC's	
Acetone	**1200 ug/kg**
2-Butanone (MEK)	**390 ug/kg**
Carbon Disulfide	10 ug/kg
Chloroform	12 ug/kg
Methyl Acetate	530 ug/kg
Toluene	**1700 ug/kg**
Semi-VOC's	
Benzo(a)anthracene	31 ug/kg
Benzo(b)Fluoranthene	62 ug/kg
Chrysene	110 ug/kg
Benzo(ghi)perylene	26 ug/kg
Fluoranthene	44 ug/kg
Phenanthrene	43 ug/kg
Pyrene	45 ug/kg
PCB's	
Arochlor 1268	**1300 ug/kg**
Total PCB's	**1300 ug/kg**
Metals	
Arsenic	7.36 u
Barium	123.0
Cadmium	1.56 u
Chromium	**105.0**
Mercury	0.45 u
Lead	158.0
Silver	0.81 u
Selenium	< 1.7 ug/kg

RRUSCO (CUSCO) 100,000 (500,000)

ug/kg RRUSCO(CUSCO) 1,000 (1,000)

ppm RRUSCO(CUSCO) 400 (400) 1.3 (9.3) 180 (1,500) 0.81 (2.8) 400 (1,000)

Table 1
Soil Sample Laboratory Results Summary
Former Barnet Mills Property
20 Forbes Avenue
Rensselaer, New York 12144

Sample Location	6 NYCRR Part 375 Soil Cleanup Objectives			Borings Installed in Northern Area of Fill Material (Samples collected from 15 to 20-foot depth interval)			Shallow Soil Samples Near Former Substation (0 to 2-foot depth interval)										Boring installed upgradient of MW-4 where 1,1,1-TCA was previously reported
Sample ID				**SB-1 (15-20)**	**SB-2 (15-20)**	**SB-3 (15-20)**	**SB-1 (0-2)**	**SB-2 (0-2)**	**SB-3 (0-2)**	**SB-5 (0-2)**	**SB-6 (0-2)**	**SB-7 (0-2)**	**SB-8 (0-2)**	**SB-9 (0-2)**	**SB-10 (0-2)**	**SB-11 (0-2)**	**SB-4 (15-20)**
Sample Date and Time	Unrestricted Use	**Restricted-Residential**	***Commercial***	**07-Jul-22 14:13**	**07-Jul-22 14:05**	**07-Jul-22 14:10**	**07-Jul-22 14:08**	**07-Jul-22 14:03**	**07-Jul-22 14:15**	**07-Jul-22 14:32**	**07-Jul-22 14:34**	**07-Jul-22 14:18**	**07-Jul-22 14:23**	**07-Jul-22 14:25**	**07-Jul-22 14:30**	**07-Jul-22 14:35**	**07-Jul-22 14:20**
Lab Sample ID	ppm	ppm	ppm	**22G0476-01**	**22G0476-02**	**22G0476-03**	**22G0476-04**	**22G0476-05**	**22G0476-06**	**22G0476-08**	**22G0476-09**	**22G0476-10**	**22G0476-11**	**22G0476-12**	**22G0476-13**	**22G0476-14**	**22G0476-07**
VOCs																	VOCs were ND except:
Acetone	0.05	100	500	--	--	--	--	--	--	--	--	--	--	--	--	--	0.28
PCBs																	
Aroclor - 1016	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1221	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1232	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1242	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1248	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1254	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1260	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1262	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1268	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	***1.8***	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
RCRA 8 Metals																	
Arsenic	13	16	16	5.1	4.1	6.4											
Barium	350	400	400	58	34	54											
Cadmium	2.5	4.3	9.3	<0.38	<0.38	<0.43											
Chromium	30	180	1,500	21	11	17											
Lead	63	400	1,000	13	7.3	11											
Selenium	3.9	180	1,500	<3.8	<3.8	<4.3											
Silver	2	180	1,500	<0.38	<0.38	<0.43											
Mercury	0.18	0.81	2.8	0.037	<0.030	0.035											

NOTES:
Results are reported in milligrams per kilogram (mg/kg) = parts per million (ppm)
-- indicates sample not tested for analyte
Exceedences of 6NYCRR Soil Cleanup Objectives for Unrestricted Use (UUSCOs) are highlighted
Exceedences of 6NYCRR Soil Cleanup Objectives for Restricted-Residential Use (RRUSCOs) are shown in bold font.
Exceedences of 6NYCRR Soil Cleanup Objectives for Commercial Use (CUSCOs) are underlined and shown in italics.

Table 2 Summary of Laboratory Results SVOCs and Metals in Groundwater Samples
Former Barnet Mills Property
20 Forbes Avenue
Rensselaer, New York 12144

Sample Location	**6 NYCRR Part 703.5**	Borings Installed in Northern Area of Fill Material			Boring installed upgradient of MW-4 where 1,1,1-TCA was previously reported
Sample ID		**Temp Well 1**	**Temp Well 2**	**Temp Well 3**	**Temp Well 4**
Sample Date and time		**07-Jul-22 13:35**	**07-Jul-22 13:10**	**07-Jul-22 12:45**	**07-Jul-22 14:00**
Lab Sample ID		**22G0477-01**	**22G0477-02**	**22G0477-03**	**22G0477-04**
VOCs	VOCs were non-detect				
Total RCRA 8 Metals	ug/L	ug/L	ug/L	ug/L	
Arsenic	25	1.4	3.1	3.2	
Barium	1,000	220	670	290	
Cadmium	5	4.3	20	1.6	
Chromium	50	38	130	38	
Lead	25	100	210	67	
Selenium	10	<5.0	<5.0	<5.0	
Silver	50	0.92	0.22	0.34	
Mercury	0.7	<0.1	<0.1	<0.1	
Total RCRA 8 Metals	ug/L	ug/L	ug/L	ug/L	
Arsenic, dissolved	25	<0.80	<0.80	<0.80	
Barium, dissolved	1,000	44	33	46	
Cadmium, dissolved	5	0.27	<0.20	0.33	
Chromium, dissolved	50	1.4	1.3	1.1	
Lead, dissolved	25	<0.50	<0.50	<0.50	
Selenium, dissolved	10	<5.0	<5.0	<5.0	
Silver, dissolved	50	<0.20	<0.20	<0.20	
Mercury, dissolved	0.7	<0.1	<0.1	<0.1	

NOTES:
Results are reported in micrograms per liter (ug/L) = parts per billion (ppb).
Shaded cells indicate values that are greater than the 6 NYCRR Part 703.5 groundwater quality standard.

Table 3
PFAS in Groundwater Sample Results
Former Barnet Mills Property
20 Forbes Avenue
Rensselaer, New York 12144

Sample ID **Sample Date and Time** **Lab Sample ID**	**NYSDEC Interim Guidance Values June 2021 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs**	**MW-4** **08-Jul-22** **9:00** **22G0536-01**	**MW-8** **08-Jul-22** **9:30** **22G0536-02**	**MW-11** **08-Jul-22** **10:15** **22G0536-03**
PFAS		ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)		<1.6	<1.6	5.5
Perfluorobutanesulfonic acid (PFBS)		<1.6	<1.6	<1.6
Perfluoropentanoic acid (PFPeA)		2.7	<1.6	4.1
Perfluorohexanoic acid (PFHxA)		<1.6	<1.6	<1.6
11Cl-PF3OUdS (F53B Major)		<1.6	<1.6	<1.6
9Cl-PF3ONS (F53B Minor)		<1.6	<1.6	<1.6
4,8-dioxa-3H-perfluorononanoic acid (ADONA)		<1.6	<1.6	<1.6
Hexafluoropropylene oxide dimer acid (HFPO-DA)		<1.6	<1.6	<1.6
8:2 Fluorotelomersulfonic acid (8:2FTS A)		<1.6	<1.6	<1.6
Perfluorodecanoic acid (PFDA)		<1.6	<1.6	<1.6
Perfluorododecanoic acid (PFDoA)		<1.6	<1.6	<1.6
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		<1.6	<1.6	<1.6
Perfluoroheptanesulfonic acid (PFHpS)		<1.6	<1.6	<1.6
N-EtFOSAA		<1.6	<1.6	<1.6
N-MeFOSAA		<1.6	<1.6	<1.6
Perfluorotetradecanoic acid (PFTA)		<1.6	<1.6	<1.6
Perfluorotridecanoic acid (PFTrDA)		<1.6	<1.6	<1.6
4:2 Fluorotelomersulfonic acid (4:2FTS A)		<1.6	<1.6	<1.6
Perfluorodecanesulfonic acid (PFDS)		<1.6	<1.6	<1.6
Perfluorooctanesulfonamide (FOSA)		<1.6	<1.6	<1.6
Perfluorononanesulfonic acid (PFNS)		<1.6	<1.6	<1.6
Perfluoro-1-hexanesulfonamide (FHxSA)		<1.6	<1.6	<1.6
Perfluoro-1-butanesulfonamide (FBSA)		<1.6	<1.6	<1.6
Perfluorohexanesulfonic acid (PFHxS)		<1.6	<1.6	<1.6
Perfluoro-4-oxapentanoic acid (PFMPA)		<1.6	<1.6	<1.6
Perfluoro-5-oxahexanoic acid (PFMBA)		<1.6	<1.6	<1.6
6:2 Fluorotelomersulfonic acid (6:2FTS A)		<1.6	<1.6	<1.6
Perfluoropetanesulfonic acid (PFPeS)		<1.6	<1.6	4.8
Perfluoroundecanoic acid (PFUnA)		<1.6	<1.6	<1.6
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		<1.6	<1.6	<1.6
Perfluoroheptanoic acid (PFHpA)		<1.6	<1.6	<1.6
Perfluorooctanoic acid (PFOA)	10 ppt (ng/L)	2.3	<1.6	<1.6
Perfluorooctanesulfonic acid (PFOS)	10 ppt (ng/L)	1.9	<1.6	<1.6
Perfluorononanoic acid (PFNA)		<1.6	<1.6	<1.6

Exceedances of the NYSDEC Interim Guidance Values June 2021 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs are highlighted.

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August 11, 2022

Arlette St. Romain
Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020

Project Location: 20 Forbes Ave., Rensselaer, NY
Client Job Number:
Project Number: 2220630
Laboratory Work Order Number: 22G0476

Enclosed are results of analyses for samples as received by the laboratory on July 8, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott C. Basal
Project Manager

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Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020
ATTN: Arlette St. Romain

REPORT DATE: 8/11/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2220630

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22G0476

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 20 Forbes Ave., Rensselaer, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB-1 (15-20)	22G0476-01	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8082A	
SB-2 (15-20)	22G0476-02	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8082A	
SB-3 (15-20)	22G0476-03	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8082A	
SB-1 (0-2)	22G0476-04	Soil		SM 2540G	
				SW-846 8082A	
SB-2 (0-2)	22G0476-05	Soil		SM 2540G	
				SW-846 8082A	
SB-3 (0-2)	22G0476-06	Soil		SM 2540G	
				SW-846 8082A	
SB-4 (15-20)	22G0476-07	Soil		SM 2540G	
				SW-846 8260D	
SB-5 (0-2)	22G0476-08	Soil		SM 2540G	
				SW-846 8082A	
SB-6 (0-2)	22G0476-09	Soil		SM 2540G	
				SW-846 8082A	
SB-7 (0-2)	22G0476-10	Soil		SM 2540G	
				SW-846 8082A	
SB-8 (0-2)	22G0476-11	Soil		SM 2540G	
				SW-846 8082A	
SB-9 (0-2)	22G0476-12	Soil		SM 2540G	
				SW-846 8082A	
SB-10 (0-2)	22G0476-13	Soil		SM 2540G	
				SW-846 8082A	
SB-11 (0-2)	22G0476-14	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Reported result for Acetone soil by EPA 8260D is estimated and not covered by certification.

SW-846 8082A

Qualifications:

S-24

Surrogate recovery is biased high due to the presence of Aroclor 1268 in the sample. Aroclor 1268 contains decachlorobiphenyl.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
22G0476-06[SB-3 (0-2)]

Decachlorobiphenyl [2C]
22G0476-06[SB-3 (0-2)]

SW-846 8260D

Qualifications:

PR-03a

Sample preserved in the laboratory, not in the field as required by the method and outside the 48 hour holding time.

Analyte & Samples(s) Qualified:

22G0476-07[SB-4 (15-20)]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
22G0476-07[SB-4 (15-20)], B312736-BLK1, B312736-BS1, B312736-BSD1, S073786-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
22G0476-07[SB-4 (15-20)], B312736-BLK1, B312736-BS1, B312736-BSD1, S073786-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Butanone (MEK)
B312736-BS1, B312736-BSD1, S073786-CCV1

2-Hexanone (MBK)
B312736-BS1, B312736-BSD1, S073786-CCV1

Acetone
B312736-BS1, B312736-BSD1, S073786-CCV1

Z-01

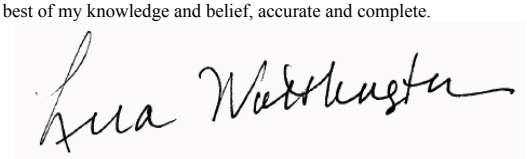
Reported result is estimated.

Analyte & Samples(s) Qualified:

Acetone
22G0476-07[SB-4 (15-20)]

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (15-20) Sampled: 7/7/2022 14:13

Sample ID: 22G0476-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		7/19/22 10:51
Decachlorobiphenyl [2]	97.8	30-150		7/19/22 10:51
Tetrachloro-m-xylene [1]	95.7	30-150		7/19/22 10:51
Tetrachloro-m-xylene [2]	83.5	30-150		7/19/22 10:51

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (15-20) Sampled: 7/7/2022 14:13

Sample ID: 22G0476-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	5.1	3.8	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Barium	58	1.9	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Cadmium	ND	0.38	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Chromium	21	0.76	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Lead	13	0.57	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Mercury	0.037	0.029	mg/Kg dry	1		SW-846 7471B	7/15/22	7/16/22 18:21	ICP
Selenium	ND	3.8	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Silver	ND	0.38	mg/Kg dry	1		SW-846 6010D	7/18/22	8/8/22 18:05	MJH

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (15-20) Sampled: 7/7/2022 14:13

Sample ID: 22G0476-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	7/8/22	7/9/22 14:28	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (15-20) Sampled: 7/7/2022 14:05

Sample ID: 22G0476-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	111	30-150		7/19/22 11:08
Decachlorobiphenyl [2]	103	30-150		7/19/22 11:08
Tetrachloro-m-xylene [1]	100	30-150		7/19/22 11:08
Tetrachloro-m-xylene [2]	87.7	30-150		7/19/22 11:08

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (15-20) Sampled: 7/7/2022 14:05

Sample ID: 22G0476-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.1	3.8	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Barium	34	1.9	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Cadmium	ND	0.38	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Chromium	11	0.76	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Lead	7.3	0.57	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Mercury	ND	0.030	mg/Kg dry	1		SW-846 7471B	7/15/22	7/16/22 18:23	ICP
Selenium	ND	3.8	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Silver	ND	0.38	mg/Kg dry	1		SW-846 6010D	7/18/22	8/8/22 18:28	MJH

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (15-20) Sampled: 7/7/2022 14:05

Sample ID: 22G0476-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.4		% Wt	1		SM 2540G	7/8/22	7/9/22 14:28	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (15-20) Sampled: 7/7/2022 14:10

Sample ID: 22G0476-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		7/20/22 16:07
Decachlorobiphenyl [2]	96.9	30-150		7/20/22 16:07
Tetrachloro-m-xylene [1]	81.2	30-150		7/20/22 16:07
Tetrachloro-m-xylene [2]	77.1	30-150		7/20/22 16:07

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Date Received: 7/8/2022

Field Sample #: SB-3 (15-20) Sampled: 7/7/2022 14:10

Sample ID: 22G0476-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	6.4	4.3	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Barium	54	2.1	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Cadmium	ND	0.43	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Chromium	17	0.85	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Lead	11	0.64	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Mercury	0.035	0.033	mg/Kg dry	1		SW-846 7471B	7/15/22	7/16/22 18:24	ICP
Selenium	ND	4.3	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Silver	ND	0.43	mg/Kg dry	1		SW-846 6010D	7/18/22	8/8/22 18:35	MJH

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Date Received: 7/8/2022

Field Sample #: SB-3 (15-20) Sampled: 7/7/2022 14:10

Sample ID: 22G0476-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.4		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (0-2) Sampled: 7/7/2022 14:08

Sample ID: 22G0476-04

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.6	30-150		7/20/22 16:25
Decachlorobiphenyl [2]	106	30-150		7/20/22 16:25
Tetrachloro-m-xylene [1]	85.9	30-150		7/20/22 16:25
Tetrachloro-m-xylene [2]	76.2	30-150		7/20/22 16:25

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (0-2) Sampled: 7/7/2022 14:08

Sample ID: 22G0476-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (0-2) Sampled: 7/7/2022 14:03

Sample ID: 22G0476-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	121	30-150		7/20/22 16:42
Decachlorobiphenyl [2]	135	30-150		7/20/22 16:42
Tetrachloro-m-xylene [1]	87.8	30-150		7/20/22 16:42
Tetrachloro-m-xylene [2]	82.0	30-150		7/20/22 16:42

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (0-2) Sampled: 7/7/2022 14:03

Sample ID: 22G0476-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (0-2) Sampled: 7/7/2022 14:15

Sample ID: 22G0476-06

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1268 [2]	1.8	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	**1550**	*	30-150	S-24	7/20/22 17:00
Decachlorobiphenyl [2]	**660**	*	30-150	S-24	7/20/22 17:00
Tetrachloro-m-xylene [1]	90.5		30-150		7/20/22 17:00
Tetrachloro-m-xylene [2]	79.8		30-150		7/20/22 17:00

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (0-2) Sampled: 7/7/2022 14:15

Sample ID: 22G0476-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-4 (15-20) Sampled: 7/7/2022 14:20

Sample ID: 22G0476-07

Sample Matrix: Soil

Sample Flags: PR-03a

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.28	0.12	mg/Kg dry	1	Z-01	SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Acrylonitrile	ND	0.0073	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Benzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromochloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromodichloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromoform	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromomethane	ND	0.012	mg/Kg dry	1	V-34	SW-846 8260D	7/12/22	7/12/22 6:25	MFF
2-Butanone (MEK)	ND	0.048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
n-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
sec-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
tert-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Carbon Disulfide	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chloroethane	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chloroform	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
2-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
4-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Dibromomethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,3-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,4-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	mg/Kg dry	1	V-05	SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1-Dichloroethylene	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
cis-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
trans-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
2,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
trans-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Diethyl Ether	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-4 (15-20) Sampled: 7/7/2022 14:20

Sample ID: 22G0476-07

Sample Matrix: Soil

Sample Flags: PR-03a

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,4-Dioxane	ND	0.12	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Ethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Hexachlorobutadiene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
2-Hexanone (MBK)	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Isopropylbenzene (Cumene)	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Methyl Acetate	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Methyl Cyclohexane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Methylene Chloride	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Naphthalene	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
n-Propylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Styrene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Tetrachloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Toluene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2,3-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2,4-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,3,5-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,1-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,2-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Trichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2,3-Trichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2,4-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,3,5-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
m+p Xylene	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
o-Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.6	70-130		7/12/22 6:25
Toluene-d8	94.2	70-130		7/12/22 6:25
4-Bromofluorobenzene	96.6	70-130		7/12/22 6:25

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-4 (15-20) Sampled: 7/7/2022 14:20

Sample ID: 22G0476-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.3		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-5 (0-2) Sampled: 7/7/2022 14:32

Sample ID: 22G0476-08

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		7/20/22 17:17
Decachlorobiphenyl [2]	108	30-150		7/20/22 17:17
Tetrachloro-m-xylene [1]	94.4	30-150		7/20/22 17:17
Tetrachloro-m-xylene [2]	88.2	30-150		7/20/22 17:17

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-5 (0-2) Sampled: 7/7/2022 14:32

Sample ID: 22G0476-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.0		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-6 (0-2) Sampled: 7/7/2022 14:34

Sample ID: 22G0476-09

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.4	30-150		7/20/22 19:43
Decachlorobiphenyl [2]	100	30-150		7/20/22 19:43
Tetrachloro-m-xylene [1]	85.6	30-150		7/20/22 19:43
Tetrachloro-m-xylene [2]	83.6	30-150		7/20/22 19:43

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-6 (0-2) Sampled: 7/7/2022 14:34

Sample ID: 22G0476-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-7 (0-2) Sampled: 7/7/2022 14:18

Sample ID: 22G0476-10

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		7/20/22 20:00
Decachlorobiphenyl [2]	96.4	30-150		7/20/22 20:00
Tetrachloro-m-xylene [1]	80.4	30-150		7/20/22 20:00
Tetrachloro-m-xylene [2]	77.5	30-150		7/20/22 20:00

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-7 (0-2) Sampled: 7/7/2022 14:18

Sample ID: 22G0476-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.2		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-8 (0-2) Sampled: 7/7/2022 14:23

Sample ID: 22G0476-11

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		7/20/22 20:18
Decachlorobiphenyl [2]	113	30-150		7/20/22 20:18
Tetrachloro-m-xylene [1]	88.7	30-150		7/20/22 20:18
Tetrachloro-m-xylene [2]	85.6	30-150		7/20/22 20:18

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-8 (0-2) Sampled: 7/7/2022 14:23

Sample ID: 22G0476-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-9 (0-2) Sampled: 7/7/2022 14:25

Sample ID: 22G0476-12

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.5	30-150		7/20/22 20:35
Decachlorobiphenyl [2]	107	30-150		7/20/22 20:35
Tetrachloro-m-xylene [1]	91.0	30-150		7/20/22 20:35
Tetrachloro-m-xylene [2]	83.1	30-150		7/20/22 20:35

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-9 (0-2) Sampled: 7/7/2022 14:25

Sample ID: 22G0476-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-10 (0-2) Sampled: 7/7/2022 14:30

Sample ID: 22G0476-13

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.1	30-150		7/20/22 20:53
Decachlorobiphenyl [2]	104	30-150		7/20/22 20:53
Tetrachloro-m-xylene [1]	90.1	30-150		7/20/22 20:53
Tetrachloro-m-xylene [2]	84.9	30-150		7/20/22 20:53

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-10 (0-2) Sampled: 7/7/2022 14:30

Sample ID: 22G0476-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-11 (0-2) Sampled: 7/7/2022 14:35

Sample ID: 22G0476-14

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.5	30-150		7/20/22 21:11
Decachlorobiphenyl [2]	98.2	30-150		7/20/22 21:11
Tetrachloro-m-xylene [1]	88.3	30-150		7/20/22 21:11
Tetrachloro-m-xylene [2]	80.5	30-150		7/20/22 21:11

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-11 (0-2) Sampled: 7/7/2022 14:35

Sample ID: 22G0476-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312736 - SW-846 5035										
Blank (B312736-BLK1)				Prepared & Analyzed: 07/12/22						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							V-34
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
tert-Butyl Alcohol (TBA)	ND	0.10	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.010	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							V-05
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl Acetate	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312736 - SW-846 5035											
Blank (B312736-BLK1)				Prepared & Analyzed: 07/12/22							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet								
Methyl Cyclohexane	ND	0.0020	mg/Kg wet								
Methylene Chloride	ND	0.020	mg/Kg wet								
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet								
Naphthalene	ND	0.0040	mg/Kg wet								
n-Propylbenzene	ND	0.0020	mg/Kg wet								
Styrene	ND	0.0020	mg/Kg wet								
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet								
Tetrachloroethylene	ND	0.0020	mg/Kg wet								
Tetrahydrofuran	ND	0.010	mg/Kg wet								
Toluene	ND	0.0020	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet								
Trichloroethylene	ND	0.0020	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet								
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0485*		mg/Kg wet	0.0500		97.1	70-130				
Surrogate: Toluene-d8	*0.0470*		mg/Kg wet	0.0500		94.0	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0481*		mg/Kg wet	0.0500		96.2	70-130				
LCS (B312736-BS1)				Prepared & Analyzed: 07/12/22							
Acetone	0.232	0.10	mg/Kg wet	0.200		116	70-160			V-35	†
Acrylonitrile	0.0217	0.0060	mg/Kg wet	0.0200		109	70-130				
tert-Amyl Methyl Ether (TAME)	0.0186	0.0010	mg/Kg wet	0.0200		92.8	70-130				
Benzene	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130				
Bromobenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130				
Bromochloromethane	0.0199	0.0020	mg/Kg wet	0.0200		99.7	70-130				
Bromodichloromethane	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130				
Bromoform	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130				
Bromomethane	0.0177	0.010	mg/Kg wet	0.0200		88.4	40-130			V-34	†
2-Butanone (MEK)	0.246	0.040	mg/Kg wet	0.200		123	70-160			V-35	†
tert-Butyl Alcohol (TBA)	0.214	0.10	mg/Kg wet	0.200		107	40-130				†
n-Butylbenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130				
sec-Butylbenzene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130				
tert-Butylbenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-160				†
tert-Butyl Ethyl Ether (TBEE)	0.0162	0.0010	mg/Kg wet	0.0200		80.9	70-130				
Carbon Disulfide	0.194	0.010	mg/Kg wet	0.200		96.9	70-130				
Carbon Tetrachloride	0.0188	0.0020	mg/Kg wet	0.0200		94.0	70-130				
Chlorobenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130				
Chlorodibromomethane	0.0198	0.0010	mg/Kg wet	0.0200		99.2	70-130				
Chloroethane	0.0182	0.020	mg/Kg wet	0.0200		90.9	70-130				
Chloroform	0.0186	0.0040	mg/Kg wet	0.0200		93.0	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312736 - SW-846 5035											
LCS (B312736-BS1)				Prepared & Analyzed: 07/12/22							
Chloromethane	0.0161	0.010	mg/Kg wet	0.0200		80.4	70-130				
2-Chlorotoluene	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130				
4-Chlorotoluene	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130				
1,2-Dibromoethane (EDB)	0.0197	0.0010	mg/Kg wet	0.0200		98.5	70-130				
Dibromomethane	0.0198	0.0020	mg/Kg wet	0.0200		99.2	70-130				
1,2-Dichlorobenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130				
1,3-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130				
1,4-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.9	70-130				
trans-1,4-Dichloro-2-butene	0.0212	0.0040	mg/Kg wet	0.0200		106	70-130				
Dichlorodifluoromethane (Freon 12)	0.0142	0.020	mg/Kg wet	0.0200		71.2	40-160			V-05	†
1,1-Dichloroethane	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130				
1,2-Dichloroethane	0.0185	0.0020	mg/Kg wet	0.0200		92.3	70-130				
1,1-Dichloroethylene	0.0180	0.0040	mg/Kg wet	0.0200		89.9	70-130				
cis-1,2-Dichloroethylene	0.0180	0.0020	mg/Kg wet	0.0200		89.9	70-130				
trans-1,2-Dichloroethylene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130				
1,2-Dichloropropane	0.0197	0.0020	mg/Kg wet	0.0200		98.5	70-130				
1,3-Dichloropropane	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130				
2,2-Dichloropropane	0.0180	0.0020	mg/Kg wet	0.0200		90.2	70-130				
1,1-Dichloropropene	0.0185	0.0020	mg/Kg wet	0.0200		92.3	70-130				
cis-1,3-Dichloropropene	0.0193	0.0010	mg/Kg wet	0.0200		96.4	70-130				
trans-1,3-Dichloropropene	0.0174	0.0010	mg/Kg wet	0.0200		86.9	70-130				
Diethyl Ether	0.0186	0.020	mg/Kg wet	0.0200		93.0	70-130				
Diisopropyl Ether (DIPE)	0.0192	0.0010	mg/Kg wet	0.0200		96.2	70-130				
1,4-Dioxane	0.219	0.10	mg/Kg wet	0.200		110	40-160				†
Ethylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130				
Hexachlorobutadiene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-160				
2-Hexanone (MBK)	0.232	0.020	mg/Kg wet	0.200		116	70-160			V-35	†
Isopropylbenzene (Cumene)	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130				
p-Isopropyltoluene (p-Cymene)	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130				
Methyl Acetate	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130				
Methyl tert-Butyl Ether (MTBE)	0.0178	0.0040	mg/Kg wet	0.0200		88.8	70-130				
Methyl Cyclohexane	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130				
Methylene Chloride	0.0178	0.020	mg/Kg wet	0.0200		89.1	40-160				†
4-Methyl-2-pentanone (MIBK)	0.224	0.020	mg/Kg wet	0.200		112	70-160				†
Naphthalene	0.0187	0.0040	mg/Kg wet	0.0200		93.4	40-130				†
n-Propylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130				
Styrene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130				
1,1,1,2-Tetrachloroethane	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130				
1,1,2,2-Tetrachloroethane	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130				
Tetrachloroethylene	0.0188	0.0020	mg/Kg wet	0.0200		94.1	70-130				
Tetrahydrofuran	0.0186	0.010	mg/Kg wet	0.0200		93.0	70-130				
Toluene	0.0182	0.0020	mg/Kg wet	0.0200		91.1	70-130				
1,2,3-Trichlorobenzene	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130				
1,2,4-Trichlorobenzene	0.0165	0.0020	mg/Kg wet	0.0200		82.7	70-130				
1,3,5-Trichlorobenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.1	70-130				
1,1,1-Trichloroethane	0.0193	0.0020	mg/Kg wet	0.0200		96.7	70-130				
1,1,2-Trichloroethane	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130				
Trichloroethylene	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130				
Trichlorofluoromethane (Freon 11)	0.0184	0.010	mg/Kg wet	0.0200		91.8	70-130				
1,2,3-Trichloropropane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312736 - SW-846 5035											
LCS (B312736-BS1)				Prepared & Analyzed: 07/12/22							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.010	mg/Kg wet	0.0200		99.9	70-130				
1,2,4-Trimethylbenzene	0.0178	0.0020	mg/Kg wet	0.0200		89.0	70-130				
1,3,5-Trimethylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130				
Vinyl Chloride	0.0173	0.010	mg/Kg wet	0.0200		86.6	40-130				†
m+p Xylene	0.0396	0.0040	mg/Kg wet	0.0400		98.9	70-130				
o-Xylene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0462*		mg/Kg wet	0.0500		92.5	70-130				
Surrogate: Toluene-d8	*0.0492*		mg/Kg wet	0.0500		98.4	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0499*		mg/Kg wet	0.0500		99.8	70-130				
LCS Dup (B312736-BSD1)				Prepared & Analyzed: 07/12/22							
Acetone	0.217	0.10	mg/Kg wet	0.200		108	70-160	6.60	25	V-35	†
Acrylonitrile	0.0210	0.0060	mg/Kg wet	0.0200		105	70-130	3.65	25		
tert-Amyl Methyl Ether (TAME)	0.0181	0.0010	mg/Kg wet	0.0200		90.7	70-130	2.29	25		
Benzene	0.0179	0.0020	mg/Kg wet	0.0200		89.6	70-130	0.889	25		
Bromobenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130	0.310	25		
Bromochloromethane	0.0195	0.0020	mg/Kg wet	0.0200		97.6	70-130	2.13	25		
Bromodichloromethane	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130	2.50	25		
Bromoform	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	1.92	25		
Bromomethane	0.0203	0.010	mg/Kg wet	0.0200		101	40-130	13.7	25	V-34	†
2-Butanone (MEK)	0.232	0.040	mg/Kg wet	0.200		116	70-160	6.13	25	V-35	†
tert-Butyl Alcohol (TBA)	0.198	0.10	mg/Kg wet	0.200		99.2	40-130	7.67	25		†
n-Butylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.0	70-130	0.758	25		
sec-Butylbenzene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130	0.00	25		
tert-Butylbenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-160	1.28	25		†
tert-Butyl Ethyl Ether (TBEE)	0.0159	0.0010	mg/Kg wet	0.0200		79.4	70-130	1.87	25		
Carbon Disulfide	0.193	0.010	mg/Kg wet	0.200		96.5	70-130	0.331	25		
Carbon Tetrachloride	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130	0.962	25		
Chlorobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.5	70-130	0.429	25		
Chlorodibromomethane	0.0195	0.0010	mg/Kg wet	0.0200		97.4	70-130	1.83	25		
Chloroethane	0.0184	0.020	mg/Kg wet	0.0200		91.9	70-130	1.09	25		
Chloroform	0.0187	0.0040	mg/Kg wet	0.0200		93.4	70-130	0.429	25		
Chloromethane	0.0160	0.010	mg/Kg wet	0.0200		80.1	70-130	0.374	25		
2-Chlorotoluene	0.0197	0.0020	mg/Kg wet	0.0200		98.5	70-130	0.509	25		
4-Chlorotoluene	0.0194	0.0020	mg/Kg wet	0.0200		97.0	70-130	0.514	25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130	3.54	25		
1,2-Dibromoethane (EDB)	0.0193	0.0010	mg/Kg wet	0.0200		96.4	70-130	2.15	25		
Dibromomethane	0.0197	0.0020	mg/Kg wet	0.0200		98.7	70-130	0.505	25		
1,2-Dichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130	0.551	25		
1,3-Dichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.0	70-130	1.54	25		
1,4-Dichlorobenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.3	70-130	0.449	25		
trans-1,4-Dichloro-2-butene	0.0204	0.0040	mg/Kg wet	0.0200		102	70-130	3.85	25		
Dichlorodifluoromethane (Freon 12)	0.0141	0.020	mg/Kg wet	0.0200		70.7	40-160	0.705	25	V-05	†
1,1-Dichloroethane	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130	0.537	25		
1,2-Dichloroethane	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130	1.20	25		
1,1-Dichloroethylene	0.0178	0.0040	mg/Kg wet	0.0200		88.8	70-130	1.23	25		
cis-1,2-Dichloroethylene	0.0177	0.0020	mg/Kg wet	0.0200		88.6	70-130	1.46	25		
trans-1,2-Dichloroethylene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	0.658	25		
1,2-Dichloropropane	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	2.21	25		
1,3-Dichloropropane	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130	0.199	25		
2,2-Dichloropropane	0.0178	0.0020	mg/Kg wet	0.0200		89.0	70-130	1.34	25		
1,1-Dichloropropene	0.0184	0.0020	mg/Kg wet	0.0200		92.0	70-130	0.326	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312736 - SW-846 5035											
LCS Dup (B312736-BSD1)				Prepared & Analyzed: 07/12/22							
cis-1,3-Dichloropropene	0.0192	0.0010	mg/Kg wet	0.0200		96.2	70-130	0.208	25		
trans-1,3-Dichloropropene	0.0172	0.0010	mg/Kg wet	0.0200		85.8	70-130	1.27	25		
Diethyl Ether	0.0183	0.020	mg/Kg wet	0.0200		91.5	70-130	1.63	25		
Diisopropyl Ether (DIPE)	0.0189	0.0010	mg/Kg wet	0.0200		94.5	70-130	1.78	25		
1,4-Dioxane	0.212	0.10	mg/Kg wet	0.200		106	40-160	3.39	50		† ‡
Ethylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130	0.314	25		
Hexachlorobutadiene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-160	2.36	25		
2-Hexanone (MBK)	0.221	0.020	mg/Kg wet	0.200		111	70-160	4.72	25	V-35	†
Isopropylbenzene (Cumene)	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130	0.630	25		
p-Isopropyltoluene (p-Cymene)	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130	0.551	25		
Methyl Acetate	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	2.11	25		
Methyl tert-Butyl Ether (MTBE)	0.0173	0.0040	mg/Kg wet	0.0200		86.6	70-130	2.51	25		
Methyl Cyclohexane	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130	2.48	25		
Methylene Chloride	0.0177	0.020	mg/Kg wet	0.0200		88.5	40-160	0.676	25		†
4-Methyl-2-pentanone (MIBK)	0.213	0.020	mg/Kg wet	0.200		107	70-160	5.02	25		†
Naphthalene	0.0179	0.0040	mg/Kg wet	0.0200		89.3	40-130	4.49	25		†
n-Propylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130	0.306	25		
Styrene	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130	0.615	25		
1,1,1,2-Tetrachloroethane	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	1.79	25		
1,1,2,2-Tetrachloroethane	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130	2.16	25		
Tetrachloroethylene	0.0187	0.0020	mg/Kg wet	0.0200		93.6	70-130	0.533	25		
Tetrahydrofuran	0.0185	0.010	mg/Kg wet	0.0200		92.7	70-130	0.323	25		
Toluene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	0.220	25		
1,2,3-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130	2.47	25		
1,2,4-Trichlorobenzene	0.0158	0.0020	mg/Kg wet	0.0200		78.9	70-130	4.70	25		
1,3,5-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.0	70-130	3.62	25		
1,1,1-Trichloroethane	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130	1.25	25		
1,1,2-Trichloroethane	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130	0.917	25		
Trichloroethylene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130	1.37	25		
Trichlorofluoromethane (Freon 11)	0.0182	0.010	mg/Kg wet	0.0200		91.2	70-130	0.656	25		
1,2,3-Trichloropropane	0.0199	0.0020	mg/Kg wet	0.0200		99.3	70-130	4.43	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0203	0.010	mg/Kg wet	0.0200		101	70-130	1.49	25		
1,2,4-Trimethylbenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.6	70-130	0.672	25		
1,3,5-Trimethylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.0	70-130	0.211	25		
Vinyl Chloride	0.0170	0.010	mg/Kg wet	0.0200		85.1	40-130	1.75	25		†
m+p Xylene	0.0396	0.0040	mg/Kg wet	0.0400		98.9	70-130	0.00	25		
o-Xylene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130	0.207	25		
Surrogate: 1,2-Dichloroethane-d4	*0.0450*		mg/Kg wet	0.0500		90.0	70-130				
Surrogate: Toluene-d8	*0.0491*		mg/Kg wet	0.0500		98.2	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0496*		mg/Kg wet	0.0500		99.3	70-130				

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312998 - SW-846 3546										
Blank (B312998-BLK1)				Prepared: 07/14/22 Analyzed: 07/18/22						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.194*		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.182*		mg/Kg wet	0.200		91.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.200		88.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.154*		mg/Kg wet	0.200		77.0	30-150			
LCS (B312998-BS1)				Prepared: 07/14/22 Analyzed: 07/18/22						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		75.2	40-140			
Aroclor-1016 [2C]	0.13	0.020	mg/Kg wet	0.200		65.9	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		72.1	40-140			
Aroclor-1260 [2C]	0.12	0.020	mg/Kg wet	0.200		59.9	40-140			
Surrogate: Decachlorobiphenyl	*0.189*		mg/Kg wet	0.200		94.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.177*		mg/Kg wet	0.200		88.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg wet	0.200		86.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.150*		mg/Kg wet	0.200		74.8	30-150			
LCS Dup (B312998-BSD1)				Prepared: 07/14/22 Analyzed: 07/18/22						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		77.4	40-140	2.95	30	
Aroclor-1016 [2C]	0.14	0.020	mg/Kg wet	0.200		69.9	40-140	5.82	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		73.7	40-140	2.20	30	
Aroclor-1260 [2C]	0.12	0.020	mg/Kg wet	0.200		62.1	40-140	3.63	30	
Surrogate: Decachlorobiphenyl	*0.190*		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.177*		mg/Kg wet	0.200		88.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.200		88.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.154*		mg/Kg wet	0.200		76.8	30-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313054 - SW-846 7471										
Blank (B313054-BLK1)				Prepared: 07/15/22 Analyzed: 07/16/22						
Mercury	ND	0.024	mg/Kg wet							
LCS (B313054-BS1)				Prepared: 07/15/22 Analyzed: 07/16/22						
Mercury	22.0	3.9	mg/Kg wet	18.9		116	68.8-131.2			
LCS Dup (B313054-BSD1)				Prepared: 07/15/22 Analyzed: 07/16/22						
Mercury	20.9	3.9	mg/Kg wet	18.9		110	68.8-131.2	5.26	20	
Batch B313194 - SW-846 3050B										
Blank (B313194-BLK1)				Prepared: 07/18/22 Analyzed: 08/01/22						
Arsenic	ND	3.2	mg/Kg wet							
Barium	ND	1.6	mg/Kg wet							
Cadmium	ND	0.32	mg/Kg wet							
Chromium	ND	0.63	mg/Kg wet							
Lead	ND	0.48	mg/Kg wet							
Selenium	ND	3.2	mg/Kg wet							
Silver	ND	0.32	mg/Kg wet							
LCS (B313194-BS1)				Prepared: 07/18/22 Analyzed: 08/01/22						
Arsenic	81.8	10	mg/Kg wet	84.5		96.8	82.8-117.2			
Barium	264	5.0	mg/Kg wet	249		106	82.7-117.3			
Cadmium	95.5	1.0	mg/Kg wet	99.0		96.5	83-117.2			
Chromium	124	2.0	mg/Kg wet	122		101	82.8-118			
Lead	125	1.5	mg/Kg wet	123		102	83.7-117.1			
Selenium	117	10	mg/Kg wet	121		96.7	80.1-120.7			
Silver	44.8	1.0	mg/Kg wet	44.1		102	80.5-119.7			
LCS Dup (B313194-BSD1)				Prepared: 07/18/22 Analyzed: 08/01/22						
Arsenic	81.8	9.9	mg/Kg wet	84.5		96.8	82.8-117.2	0.0363	30	
Barium	257	4.9	mg/Kg wet	249		103	82.7-117.3	2.67	20	
Cadmium	95.3	0.99	mg/Kg wet	99.0		96.3	83-117.2	0.222	20	
Chromium	122	2.0	mg/Kg wet	122		100	82.8-118	1.38	30	
Lead	124	1.5	mg/Kg wet	123		101	83.7-117.1	0.964	30	
Selenium	112	9.9	mg/Kg wet	121		92.9	80.1-120.7	4.03	30	
Silver	45.2	0.99	mg/Kg wet	44.1		103	80.5-119.7	0.950	30	
Reference (B313194-SRM1) MRL CHECK				Prepared: 07/18/22 Analyzed: 08/01/22						
Lead	0.520	0.49	mg/Kg wet	0.493		105	80-120			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312608 - % Solids										
Duplicate (B312608-DUP3)	**Source: 22G0476-04**		Prepared: 07/08/22 Analyzed: 07/09/22							
% Solids	84.8		% Wt		83.3			1.79	5	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

SB-3 (0-2)

Lab Sample ID: 22G0476-06

Date(s) Analyzed: 07/20/2022 07/20/2022

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1268	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.8	25.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B312998-BS1 Date(s) Analyzed: 07/18/2022 07/18/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.13	14.3
Aroclor-1260	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.12	15.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B312998-BSD1 Date(s) Analyzed: 07/18/2022 07/18/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.14	13.3
Aroclor-1260	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.12	22.2

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
PR-03a	Sample preserved in the laboratory, not in the field as required by the method and outside the 48 hour holding time.
S-24	Surrogate recovery is biased high due to the presence of Aroclor 1268 in the sample. Aroclor 1268 contains decachlorobiphenyl.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.
Z-01	Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8260D in Soil	
Acetone	CT,NH,NY,ME,VA
Acrylonitrile	CT,NH,NY,ME,VA
Benzene	CT,NH,NY,ME,VA
Bromobenzene	NH,NY,ME,VA
Bromochloromethane	NH,NY,ME,VA
Bromodichloromethane	CT,NH,NY,ME,VA
Bromoform	CT,NH,NY,ME,VA
Bromomethane	CT,NH,NY,ME,VA
2-Butanone (MEK)	CT,NH,NY,ME,VA
tert-Butyl Alcohol (TBA)	NY,ME
n-Butylbenzene	CT,NH,NY,ME,VA
sec-Butylbenzene	CT,NH,NY,ME,VA
tert-Butylbenzene	CT,NH,NY,ME,VA
Carbon Disulfide	CT,NH,NY,ME,VA
Carbon Tetrachloride	CT,NH,NY,ME,VA
Chlorobenzene	CT,NH,NY,ME,VA
Chlorodibromomethane	CT,NH,NY,ME,VA
Chloroethane	CT,NH,NY,ME,VA
Chloroform	CT,NH,NY,ME,VA
Chloromethane	CT,NH,NY,ME,VA
2-Chlorotoluene	CT,NH,NY,ME,VA
4-Chlorotoluene	CT,NH,NY,ME,VA
1,2-Dibromo-3-chloropropane (DBCP)	NY,ME
1,2-Dibromoethane (EDB)	NH,NY
Dibromomethane	NH,NY,ME,VA
1,2-Dichlorobenzene	CT,NH,NY,ME,VA
1,3-Dichlorobenzene	CT,NH,NY,ME,VA
1,4-Dichlorobenzene	CT,NH,NY,ME,VA
trans-1,4-Dichloro-2-butene	NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,VA
1,1-Dichloroethane	CT,NH,NY,ME,VA
1,2-Dichloroethane	CT,NH,NY,ME,VA
1,1-Dichloroethylene	CT,NH,NY,ME,VA
cis-1,2-Dichloroethylene	CT,NH,NY,ME,VA
trans-1,2-Dichloroethylene	CT,NH,NY,ME,VA
1,2-Dichloropropane	CT,NH,NY,ME,VA
1,3-Dichloropropane	NH,NY,ME,VA
2,2-Dichloropropane	NH,NY,ME,VA
1,1-Dichloropropene	NH,NY,ME,VA
cis-1,3-Dichloropropene	CT,NH,NY,ME,VA
trans-1,3-Dichloropropene	CT,NH,NY,ME,VA
Diethyl Ether	ME
1,4-Dioxane	NY,ME
Ethylbenzene	CT,NH,NY,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Soil	
Hexachlorobutadiene	NH,NY,ME,VA
2-Hexanone (MBK)	CT,NH,NY,ME,VA
Isopropylbenzene (Cumene)	CT,NH,NY,ME,VA
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl Acetate	NY,ME
Methyl tert-Butyl Ether (MTBE)	NY,ME,VA
Methyl Cyclohexane	NY
Methylene Chloride	CT,NH,NY,ME,VA
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME,VA
Naphthalene	NH,NY,ME,VA
n-Propylbenzene	NH,NY,ME
Styrene	CT,NH,NY,ME,VA
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME,VA
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,VA
Tetrachloroethylene	CT,NH,NY,ME,VA
Toluene	CT,NH,NY,ME,VA
1,2,3-Trichlorobenzene	NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME,VA
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NH,NY,ME,VA
1,1,2-Trichloroethane	CT,NH,NY,ME,VA
Trichloroethylene	CT,NH,NY,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,VA
1,2,3-Trichloropropane	NH,NY,ME,VA
1,2,4-Trimethylbenzene	CT,NH,NY,ME,VA
1,3,5-Trimethylbenzene	CT,NH,NY,ME,VA
Vinyl Chloride	CT,NH,NY,ME,VA
m+p Xylene	CT,NH,NY,ME,VA
o-Xylene	CT,NH,NY,ME,VA

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Pace Analytical

Phone: 612-607-6400
Fax: 612-607-6344

L260476

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella Associates
Address:	5 McCrea Hill Road
Phone:	518-885-5383
Project Name:	Former Barnet Mills Property
Project Location:	20 Forbes Avenue, Rensselaer
Project Number:	2220630
Project Manager:	Arlette St. Romain
Pace Analytical Quote Name/Number	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: see comments section
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB	RCRA Metals	Full list VOC										# of Containers
1	SB-1 (15-20)	7/7/22	1413		X	S	U	X	X											
2	SB-2 (15-20)	7/7/22	1405		X	S	U	X	X											
3	SB-3 (15-20)	7/7/22	1410		X	S	U	X	X											
4	SB-1 (0-2)	7/7/22	1408		X	S	U	X												
5	SB-2 (0-2)	7/7/22	1403		X	S	U	X												
6	SB-3 (0-2)	7/7/22	1415		X	S	U	X												
7	SB-4 (15-20)	7/7/22	1420		X	S	U			X										
8	SB-5 (0-2)	7/7/22	1432		X	S	U	X												
9	SB-6 (0-2)	7/7/22	1434		X	S	U	X												
10	SB-7 (0-2)	7/7/22	1418		X	S	U	X												

ANALYSIS REQUESTED

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Please Email reports to:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7.7.22 1615
Received by: (signature)	Date/Time: 7/8/22 9:17
Relinquished by: (signature)	Date/Time: 7/8/22 3:40
Received by: (signature)	Date/Time: 7/8/22 3:40
Relinquished by: (signature)	Date/Time: 7/8/22 5:05
Received by: (signature)	Date/Time: 7/8 1605

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Pace Analytical®

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Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

2220476

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella Associates
Address:	5 McCrea Hill Road
Phone:	518-885-5383
Project Name:	Former Barnet Mills Property
Project Location:	20 Forbes Avenue, Rensselaer
Project Number:	2220630
Project Manager:	Arlette St. Romain
Pace Analytical Quote Name/Number	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: see comments section
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1] Matrix Code	Conc Code	PCB										# of Containers
11	SB-8 (0-2)	7/7/22	1423		X	S	U	X										
12	SB-9 (0-2)	7/7/22	1425		X	S	U	X										
13	SB-10 (0-2)	7/7/22	1430		X	S	U	X										
14	SB-11 (0-2)	7/7/22	1435		X	S	U	X										

ANALYSIS REQUESTED

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
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T = Sodium Thiosulfate
O = Other (please define)

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Comments: Please Email reports to:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
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Relinquished by: (signature)	Date/Time: 7/8/22 3:40
Received by: (signature)	Date/Time: 7/8/22 3:40
Relinquished by: (signature)	Date/Time: 7/8/22 5:05
Received by: (signature)	Date/Time: 7/8/22 1605

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

Pace

Doc# 277 Rev 5 2017

Pace

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Labella Ass. Received By: JW Date: 07/08/22 Time: 1605

How were the samples received? In Cooler: T No Cooler: _____ On Ice: T No Ice: _____ Direct from Sampling: _____ Ambient: _____ Melted Ice: _____

By Gun #: 5 Actual Temp - 4.2

Were samples within Temperature? 2-6°C: T By Blank #: _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client: T Analysis: T Sampler Name: F

Project: T ID's: T Collection Dates/Times: F

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid: N/A Base: N/A

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	1
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

From: Strickland, Ben
Sent: Mon, 11 Jul 2022 14:51:15
To: Scott Basal
Cc: St.Romain, Arlette
Subject: RE: [Ext] 22G0476 - 8260 Acetone
Sensitivity: Normal
Archived: Wednesday, July 13, 2022 10:41:34 AM

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Scott,

Please run the samples for acetone. I assume there will qualifier next to the result explaining that the result is not NY certified?

Thanks,
Ben

Ben Strickland
LaBella Associates | Environmental Geologist

518-885-5383 ext. 221
518-470-3060 direct

-----Original Message-----
From: Scott Basal <Scott.Basal@pacelabs.com>
Sent: Monday, July 11, 2022 10:43 AM
To: Strickland, Ben <BStrickland@LaBellaPC.com>
Subject: [Ext] 22G0476 - 8260 Acetone
Importance: High

Hi Ben,

Can you please advise if we are running the acetone for the 8260 sample? (COC attached) We are not certified currently for this compound via 8260 for soil/solid samples taken in NY.
It will be a couple more weeks before we will find out if we are able to regain certification.

Scott Basal
Project Manager I
39 Spruce Street, East Longmeadow, MA 01028
Cell: 413.427.4513 | Lab: 413.525.2332

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P Please consider the environment before printing this email

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 12, 2022

Arlette St. Romain
Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020

Project Location: 20 Forbes Ave., Rensselaer, NY
Client Job Number:
Project Number: 2220630
Laboratory Work Order Number: 22G0477

Enclosed are results of analyses for samples as received by the laboratory on July 8, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott C. Basal
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020
ATTN: Arlette St. Romain

REPORT DATE: 8/12/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2220630

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22G0477

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 20 Forbes Ave., Rensselaer, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Temp Well 1	22G0477-01	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
Temp Well 2	22G0477-02	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
Temp Well 3	22G0477-03	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
Temp Well 4	22G0477-04	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 6020B

Qualifications:

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

22G0477-01[Temp Well 1], 22G0477-02RE1[Temp Well 2], 22G0477-03RE1[Temp Well 3]

R-01

Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.

Analyte & Samples(s) Qualified:

Arsenic
B312809-DUP1

SW-846 8260D

Qualifications:

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,4-Dioxane
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1
2-Butanone (MEK)
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1
Acetone
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1
Naphthalene
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1
tert-Butyl Alcohol (TBA)
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Chloromethane
B312675-BS1, B312675-BSD1, S073783-CCV1

Hexachlorobutadiene
B312675-BS1, B312675-BSD1, S073783-CCV1

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The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 1 Sampled: 7/7/2022 13:35

Sample ID: 22G0477-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 1 Sampled: 7/7/2022 13:35

Sample ID: 22G0477-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.4	70-130		7/11/22 15:38
Toluene-d8	97.7	70-130		7/11/22 15:38
4-Bromofluorobenzene	96.6	70-130		7/11/22 15:38

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 1 Sampled: 7/7/2022 13:35

Sample ID: 22G0477-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	1.4	0.80	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Barium	220	10	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Cadmium	4.3	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Chromium	38	1.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Lead	100	0.50	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/11/22	7/11/22 14:20	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Silver	0.92	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 1 Sampled: 7/7/2022 13:35

Sample ID: 22G0477-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Barium	44	10	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Cadmium	0.27	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Chromium	1.4	1.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/19/22	7/20/22 10:22	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 2 Sampled: 7/7/2022 13:10

Sample ID: 22G0477-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 2 Sampled: 7/7/2022 13:10

Sample ID: 22G0477-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.2	70-130		7/11/22 16:02
Toluene-d8	100	70-130		7/11/22 16:02
4-Bromofluorobenzene	98.0	70-130		7/11/22 16:02

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 2 Sampled: 7/7/2022 13:10

Sample ID: 22G0477-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.1	0.80	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Barium	670	10	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Cadmium	20	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Chromium	130	1.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Lead	210	0.50	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/11/22	7/11/22 14:22	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Silver	0.22	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 2 Sampled: 7/7/2022 13:10

Sample ID: 22G0477-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Barium	33	10	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Chromium	1.3	1.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/19/22	7/20/22 10:24	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 3 Sampled: 7/7/2022 12:45

Sample ID: 22G0477-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 3 Sampled: 7/7/2022 12:45

Sample ID: 22G0477-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.0	70-130		7/11/22 16:26
Toluene-d8	99.4	70-130		7/11/22 16:26
4-Bromofluorobenzene	96.7	70-130		7/11/22 16:26

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 3 Sampled: 7/7/2022 12:45

Sample ID: 22G0477-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.2	0.80	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Barium	290	10	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Cadmium	1.6	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Chromium	38	1.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Lead	67	0.50	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/11/22	7/11/22 14:23	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Silver	0.34	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 3 Sampled: 7/7/2022 12:45

Sample ID: 22G0477-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Barium	46	10	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Cadmium	0.33	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Chromium	1.1	1.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/19/22	7/20/22 10:30	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 4 Sampled: 7/7/2022 14:00

Sample ID: 22G0477-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF

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Project Location: 20 Forbes Ave., Rensselaer, NY | Sample Description: | Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 4 | Sampled: 7/7/2022 14:00

Sample ID: 22G0477-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.5	70-130		7/11/22 16:50
Toluene-d8	98.5	70-130		7/11/22 16:50
4-Bromofluorobenzene	98.5	70-130		7/11/22 16:50

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312675 - SW-846 5030B										
Blank (B312675-BLK1)				Prepared & Analyzed: 07/11/22						
Acetone	ND	50	µg/L							V-05
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							V-05
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-05
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312675 - SW-846 5030B											
Blank (B312675-BLK1)				Prepared & Analyzed: 07/11/22							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L							V-05	
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.7*		µg/L	25.0		94.9	70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.9	70-130				
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.6	70-130				
LCS (B312675-BS1)				Prepared & Analyzed: 07/11/22							
Acetone	76.6	50	µg/L	100		76.6	70-160			V-05	†
Acrylonitrile	8.43	5.0	µg/L	10.0		84.3	70-130				
tert-Amyl Methyl Ether (TAME)	9.54	0.50	µg/L	10.0		95.4	70-130				
Benzene	9.80	1.0	µg/L	10.0		98.0	70-130				
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130				
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130				
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130				
Bromoform	10.5	1.0	µg/L	10.0		105	70-130				
Bromomethane	10.8	2.0	µg/L	10.0		108	40-160				†
2-Butanone (MEK)	78.5	20	µg/L	100		78.5	40-160			V-05	†
tert-Butyl Alcohol (TBA)	69.8	20	µg/L	100		69.8	40-160			V-05	†
n-Butylbenzene	8.92	1.0	µg/L	10.0		89.2	70-130				
sec-Butylbenzene	9.85	1.0	µg/L	10.0		98.5	70-130				
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.55	0.50	µg/L	10.0		95.5	70-130				
Carbon Disulfide	96.5	5.0	µg/L	100		96.5	70-130				
Carbon Tetrachloride	10.7	5.0	µg/L	10.0		107	70-130				
Chlorobenzene	10.9	1.0	µg/L	10.0		109	70-130				
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130				
Chloroethane	11.0	2.0	µg/L	10.0		110	70-130				
Chloroform	10.2	2.0	µg/L	10.0		102	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312675 - SW-846 5030B											
LCS (B312675-BS1)				Prepared & Analyzed: 07/11/22							
Chloromethane	12.8	2.0	µg/L	10.0		128	40-160			V-20	†
2-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130				
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.38	5.0	µg/L	10.0		83.8	70-130				
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130				
Dibromomethane	10.2	1.0	µg/L	10.0		102	70-130				
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
trans-1,4-Dichloro-2-butene	9.27	2.0	µg/L	10.0		92.7	70-130				
Dichlorodifluoromethane (Freon 12)	9.61	2.0	µg/L	10.0		96.1	40-160				†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130				
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130				
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130				
2,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	40-130				†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130				
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130				
trans-1,3-Dichloropropene	9.63	0.50	µg/L	10.0		96.3	70-130				
Diethyl Ether	9.10	2.0	µg/L	10.0		91.0	70-130				
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130				
1,4-Dioxane	77.0	50	µg/L	100		77.0	40-130			V-05	†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
Hexachlorobutadiene	11.8	0.60	µg/L	10.0		118	70-130			V-20	
2-Hexanone (MBK)	84.0	10	µg/L	100		84.0	70-160				†
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130				
p-Isopropyltoluene (p-Cymene)	9.51	1.0	µg/L	10.0		95.1	70-130				
Methyl Acetate	10.2	1.0	µg/L	10.0		102	70-130				
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130				
Methyl Cyclohexane	9.82	1.0	µg/L	10.0		98.2	70-130				
Methylene Chloride	9.67	5.0	µg/L	10.0		96.7	70-130				
4-Methyl-2-pentanone (MIBK)	90.1	10	µg/L	100		90.1	70-160				†
Naphthalene	6.34	2.0	µg/L	10.0		63.4	40-130			V-05	†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
Styrene	10.7	1.0	µg/L	10.0		107	70-130				
1,1,1,2-Tetrachloroethane	11.1	1.0	µg/L	10.0		111	70-130				
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130				
Tetrachloroethylene	11.4	1.0	µg/L	10.0		114	70-130				
Tetrahydrofuran	9.22	10	µg/L	10.0		92.2	70-130				
Toluene	10.6	1.0	µg/L	10.0		106	70-130				
1,2,3-Trichlorobenzene	8.31	5.0	µg/L	10.0		83.1	70-130				
1,2,4-Trichlorobenzene	8.58	1.0	µg/L	10.0		85.8	70-130				
1,3,5-Trichlorobenzene	9.41	1.0	µg/L	10.0		94.1	70-130				
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130				
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130				
Trichlorofluoromethane (Freon 11)	9.72	2.0	µg/L	10.0		97.2	70-130				
1,2,3-Trichloropropane	9.43	2.0	µg/L	10.0		94.3	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312675 - SW-846 5030B											
LCS (B312675-BS1)				Prepared & Analyzed: 07/11/22							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130				
1,2,4-Trimethylbenzene	9.15	1.0	µg/L	10.0		91.5	70-130				
1,3,5-Trimethylbenzene	9.99	1.0	µg/L	10.0		99.9	70-130				
Vinyl Chloride	10.6	2.0	µg/L	10.0		106	40-160				†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130				
o-Xylene	10.7	1.0	µg/L	10.0		107	70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.4*		µg/L	25.0		93.4	70-130				
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.6	70-130				
LCS Dup (B312675-BSD1)				Prepared & Analyzed: 07/11/22							
Acetone	72.3	50	µg/L	100		72.3	70-160	5.85	25	V-05	†
Acrylonitrile	8.03	5.0	µg/L	10.0		80.3	70-130	4.86	25		
tert-Amyl Methyl Ether (TAME)	9.05	0.50	µg/L	10.0		90.5	70-130	5.27	25		
Benzene	9.79	1.0	µg/L	10.0		97.9	70-130	0.102	25		
Bromobenzene	9.91	1.0	µg/L	10.0		99.1	70-130	1.90	25		
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130	2.05	25		
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130	0.00	25		
Bromoform	10.1	1.0	µg/L	10.0		101	70-130	3.59	25		
Bromomethane	9.69	2.0	µg/L	10.0		96.9	40-160	10.8	25		†
2-Butanone (MEK)	74.9	20	µg/L	100		74.9	40-160	4.69	25	V-05	†
tert-Butyl Alcohol (TBA)	68.1	20	µg/L	100		68.1	40-160	2.38	25	V-05	†
n-Butylbenzene	9.02	1.0	µg/L	10.0		90.2	70-130	1.11	25		
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130	3.00	25		
tert-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.55	25		
tert-Butyl Ethyl Ether (TBEE)	9.20	0.50	µg/L	10.0		92.0	70-130	3.73	25		
Carbon Disulfide	97.1	5.0	µg/L	100		97.1	70-130	0.651	25		
Carbon Tetrachloride	10.9	5.0	µg/L	10.0		109	70-130	1.39	25		
Chlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	0.276	25		
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106	70-130	1.95	25		
Chloroethane	10.6	2.0	µg/L	10.0		106	70-130	4.35	25		
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	0.989	25		
Chloromethane	11.8	2.0	µg/L	10.0		118	40-160	7.96	25	V-20	†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	1.73	25		
4-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	1.36	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.19	5.0	µg/L	10.0		81.9	70-130	2.29	25		
1,2-Dibromoethane (EDB)	9.82	0.50	µg/L	10.0		98.2	70-130	4.19	25		
Dibromomethane	10.2	1.0	µg/L	10.0		102	70-130	0.0985	25		
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.289	25		
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	1.24	25		
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.389	25		
trans-1,4-Dichloro-2-butene	7.66	2.0	µg/L	10.0		76.6	70-130	19.0	25		
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160	5.76	25		†
1,1-Dichloroethane	9.88	1.0	µg/L	10.0		98.8	70-130	1.41	25		
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130	1.59	25		
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.196	25		
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	0.0986	25		
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	2.06	25		
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130	4.69	25		
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130	1.64	25		
2,2-Dichloropropane	9.80	1.0	µg/L	10.0		98.0	40-130	2.62	25		†
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106	70-130	2.40	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312675 - SW-846 5030B											
LCS Dup (B312675-BSD1)				Prepared & Analyzed: 07/11/22							
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	3.11	25		
trans-1,3-Dichloropropene	9.56	0.50	µg/L	10.0		95.6	70-130	0.730	25		
Diethyl Ether	9.06	2.0	µg/L	10.0		90.6	70-130	0.441	25		
Diisopropyl Ether (DIPE)	9.74	0.50	µg/L	10.0		97.4	70-130	4.02	25		
1,4-Dioxane	79.6	50	µg/L	100		79.6	40-130	3.27	50	V-05	† ‡
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	0.675	25		
Hexachlorobutadiene	11.1	0.60	µg/L	10.0		111	70-130	5.87	25	V-20	
2-Hexanone (MBK)	80.8	10	µg/L	100		80.8	70-160	3.90	25		†
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130	0.185	25		
p-Isopropyltoluene (p-Cymene)	9.73	1.0	µg/L	10.0		97.3	70-130	2.29	25		
Methyl Acetate	9.93	1.0	µg/L	10.0		99.3	70-130	2.29	25		
Methyl tert-Butyl Ether (MTBE)	9.98	1.0	µg/L	10.0		99.8	70-130	4.22	25		
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130	3.70	25		
Methylene Chloride	9.47	5.0	µg/L	10.0		94.7	70-130	2.09	25		
4-Methyl-2-pentanone (MIBK)	86.9	10	µg/L	100		86.9	70-160	3.63	25		†
Naphthalene	5.81	2.0	µg/L	10.0		58.1	40-130	8.72	25	V-05	†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130	0.588	25		
Styrene	10.4	1.0	µg/L	10.0		104	70-130	2.18	25		
1,1,1,2-Tetrachloroethane	11.3	1.0	µg/L	10.0		113	70-130	1.52	25		
1,1,2,2-Tetrachloroethane	9.89	0.50	µg/L	10.0		98.9	70-130	3.18	25		
Tetrachloroethylene	11.6	1.0	µg/L	10.0		116	70-130	1.82	25		
Tetrahydrofuran	8.61	10	µg/L	10.0		86.1	70-130	6.84	25		
Toluene	10.7	1.0	µg/L	10.0		107	70-130	1.22	25		
1,2,3-Trichlorobenzene	7.94	5.0	µg/L	10.0		79.4	70-130	4.55	25		
1,2,4-Trichlorobenzene	8.44	1.0	µg/L	10.0		84.4	70-130	1.65	25		
1,3,5-Trichlorobenzene	9.78	1.0	µg/L	10.0		97.8	70-130	3.86	25		
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.669	25		
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	3.07	25		
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	2.03	25		
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130	3.74	25		
1,2,3-Trichloropropane	8.85	2.0	µg/L	10.0		88.5	70-130	6.35	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130	4.29	25		
1,2,4-Trimethylbenzene	9.33	1.0	µg/L	10.0		93.3	70-130	1.95	25		
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.79	25		
Vinyl Chloride	10.7	2.0	µg/L	10.0		107	40-160	0.469	25		†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130	1.29	25		
o-Xylene	10.8	1.0	µg/L	10.0		108	70-130	0.558	25		
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		92.6	70-130				
Surrogate: Toluene-d8	*25.5*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101	70-130				

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312670 - SW-846 7470A Prep										
Blank (B312670-BLK1)				Prepared & Analyzed: 07/11/22						
Mercury	ND	0.00010	mg/L							
LCS (B312670-BS1)				Prepared & Analyzed: 07/11/22						
Mercury	0.00420	0.00010	mg/L	0.00402		105	80-120			
LCS Dup (B312670-BSD1)				Prepared & Analyzed: 07/11/22						
Mercury	0.00437	0.00010	mg/L	0.00402		109	80-120	3.82	20	
Batch B312809 - SW-846 3005A										
Blank (B312809-BLK1)				Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
LCS (B312809-BS1)				Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	477	8.0	µg/L	500		95.3	80-120			
Barium	468	100	µg/L	500		93.7	80-120			
Cadmium	481	2.0	µg/L	500		96.2	80-120			
Chromium	488	10	µg/L	500		97.6	80-120			
Lead	477	5.0	µg/L	500		95.4	80-120			
Selenium	484	50	µg/L	500		96.9	80-120			
Silver	475	2.0	µg/L	500		95.1	80-120			
LCS Dup (B312809-BSD1)				Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	476	8.0	µg/L	500		95.2	80-120	0.109	20	
Barium	464	100	µg/L	500		92.9	80-120	0.906	20	
Cadmium	476	2.0	µg/L	500		95.2	80-120	1.06	20	
Chromium	487	10	µg/L	500		97.5	80-120	0.178	20	
Lead	470	5.0	µg/L	500		93.9	80-120	1.57	20	
Selenium	487	50	µg/L	500		97.4	80-120	0.546	20	
Silver	470	2.0	µg/L	500		94.0	80-120	1.10	20	
Duplicate (B312809-DUP1)	**Source: 22G0477-02**			Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	ND	0.80	µg/L		ND			NC	20	R-01
Barium	31.6	10	µg/L		31.3			0.933	20	
Cadmium	ND	0.20	µg/L		ND			NC	20	
Chromium	ND	1.0	µg/L		ND			NC	20	
Lead	ND	0.50	µg/L		ND			NC	20	
Selenium	ND	5.0	µg/L		ND			NC	20	
Silver	ND	2.0	µg/L		ND			NC	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312809 - SW-846 3005A										
Matrix Spike (B312809-MS1)	**Source: 22G0477-02**			Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	472	8.0	µg/L	500	ND	94.4	75-125			
Barium	494	100	µg/L	500	31.3	92.5	75-125			
Cadmium	471	2.0	µg/L	500	ND	94.2	75-125			
Chromium	480	10	µg/L	500	ND	96.1	75-125			
Lead	467	5.0	µg/L	500	ND	93.4	75-125			
Selenium	474	50	µg/L	500	ND	94.8	75-125			
Silver	465	2.0	µg/L	500	ND	93.0	75-125			
Batch B313096 - SW-846 3005A										
Blank (B313096-BLK1)				Prepared: 07/15/22 Analyzed: 07/20/22						
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
LCS (B313096-BS1)				Prepared: 07/15/22 Analyzed: 07/20/22						
Arsenic	545	8.0	µg/L	500		109	80-120			
Barium	485	100	µg/L	500		97.0	80-120			
Cadmium	496	2.0	µg/L	500		99.2	80-120			
Chromium	513	10	µg/L	500		103	80-120			
Lead	495	5.0	µg/L	500		99.0	80-120			
Selenium	511	50	µg/L	500		102	80-120			
Silver	495	2.0	µg/L	500		98.9	80-120			
LCS Dup (B313096-BSD1)				Prepared: 07/15/22 Analyzed: 07/20/22						
Arsenic	516	8.0	µg/L	500		103	80-120	5.52	20	
Barium	466	100	µg/L	500		93.3	80-120	3.98	20	
Cadmium	474	2.0	µg/L	500		94.9	80-120	4.51	20	
Chromium	511	10	µg/L	500		102	80-120	0.529	20	
Lead	477	5.0	µg/L	500		95.4	80-120	3.70	20	
Selenium	487	50	µg/L	500		97.5	80-120	4.65	20	
Silver	475	2.0	µg/L	500		95.0	80-120	4.08	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313014 - SW-846 3005A Dissolved										
Blank (B313014-BLK1)				Prepared: 07/14/22 Analyzed: 07/26/22						
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
LCS (B313014-BS1)				Prepared: 07/14/22 Analyzed: 07/26/22						
Arsenic	525	8.0	µg/L	500		105	80-120			
Barium	529	100	µg/L	500		106	80-120			
Cadmium	528	2.0	µg/L	500		106	80-120			
Chromium	530	10	µg/L	500		106	80-120			
Lead	522	5.0	µg/L	500		104	80-120			
Selenium	509	50	µg/L	500		102	80-120			
Silver	511	2.0	µg/L	500		102	80-120			
LCS Dup (B313014-BSD1)				Prepared: 07/14/22 Analyzed: 07/26/22						
Arsenic	533	8.0	µg/L	500		107	80-120	1.56	20	
Barium	536	100	µg/L	500		107	80-120	1.45	20	
Cadmium	542	2.0	µg/L	500		108	80-120	2.48	20	
Chromium	537	10	µg/L	500		107	80-120	1.33	20	
Lead	535	5.0	µg/L	500		107	80-120	2.33	20	
Selenium	522	50	µg/L	500		104	80-120	2.60	20	
Silver	519	2.0	µg/L	500		104	80-120	1.44	20	
Duplicate (B313014-DUP1)	**Source: 22G0477-03**			Prepared: 07/14/22 Analyzed: 07/27/22						
Arsenic	ND	0.80	µg/L		ND			NC	20	
Barium	46.1	10	µg/L		46.0			0.317	20	
Cadmium	0.313	0.20	µg/L		0.325			3.98	20	
Chromium	ND	1.0	µg/L		1.13			NC	20	
Lead	ND	0.50	µg/L		ND			NC	20	
Selenium	ND	5.0	µg/L		ND			NC	20	
Silver	ND	0.20	µg/L		ND			NC	20	
Matrix Spike (B313014-MS1)	**Source: 22G0477-03**			Prepared: 07/14/22 Analyzed: 07/26/22						
Arsenic	533	8.0	µg/L	500	ND	107	75-125			
Barium	576	100	µg/L	500	46.0	106	75-125			
Cadmium	528	2.0	µg/L	500	0.325	106	75-125			
Chromium	527	10	µg/L	500	ND	105	75-125			
Lead	526	5.0	µg/L	500	ND	105	75-125			
Selenium	512	50	µg/L	500	ND	102	75-125			
Silver	502	2.0	µg/L	500	ND	100	75-125			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313254 - SW-846 7470A Dissolved										
Blank (B313254-BLK1)				Prepared: 07/19/22 Analyzed: 07/20/22						
Mercury	ND	0.00010	mg/L							
LCS (B313254-BS1)				Prepared: 07/19/22 Analyzed: 07/20/22						
Mercury	0.00405	0.00010	mg/L	0.00402		101	80-120			
LCS Dup (B313254-BSD1)				Prepared: 07/19/22 Analyzed: 07/20/22						
Mercury	0.00368	0.00010	mg/L	0.00402		91.6	80-120	9.44	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B-07	Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.
R-01	Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6020B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,NC,ME,VA
Barium	MA,NY,CT,NC,NH,ME,VA
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Cadmium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,NC,ME,VA
Lead	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NC,NH,NY,ME,VA
Silver	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

2260477

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella Associates
Address:	5 McCrea Hill Road
Phone:	518-885-5383
Project Name:	Former Barnet Mills Property
Project Location:	20 Forbes Avenue, Rensselaer
Project Number:	
Project Manager:	Arlette St. Romain
Pace Analytical Quote Name/Number:	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: see comments section
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1]Matrix Code	Conc Code	RCRA Metals - Total	RCRA Metals - Dissolved	Full List VOC	# of Containers	[2] Preservation Code	[3] Container Code
1	Temp Well 1	7/7/22	1335		X	GW	U	X	X	X			
2	Temp Well 2	7/7/22	1310		X	GW	U	X	X	X			
3	Temp Well 3	7/7/22	1245		X	GW	U	X	X	X			
4	Temp Well 4	7/7/22	1400		X	GW	U			X			

ANALYSIS REQUESTED

Dissolved Metals Samples
☑ Field Filtered
☑ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Please Email reports to:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7.7.22 1615
Received by: (signature)	Date/Time: 7/8/22 0917
Relinquished by: (signature)	Date/Time: 7/8/22 3:40
Received by: (signature)	Date/Time: 7/8/22 3:40
Relinquished by: (signature)	Date/Time: 7/8/22 5:05
Received by: (signature)	Date/Time: 7/8 1605

Program & Regulatory Information
☐ AWQ STDS ☑ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other:

Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

Pace

Doc# 277 Rev 5 2017

Pace

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Labella Ass. | Received By: DW | Date: 07/08/22 | Time: 1605

How were the samples received? In Cooler: T | No Cooler: | On Ice: T | No Ice: | Direct from Sampling: | Ambient: | Melted Ice: | By Gun #: 5 | Actual Temp - 4.2 | By Blank #: | Actual Temp -

Were samples within Temperature? 2-6°C: T | Was Custody Seal Intact? N/A | Was COC Relinquished ? T | Were Samples Tampered with? N/A | Does Chain Agree With Samples? T | Are there broken/leaking/loose caps on any samples? F | Were samples received within holding time? T

Is COC in ink/ Legible? T | Did COC include all pertinent Information? Client: T, Project: T | Analysis ID's: T | Sampler Name: F | Collection Dates/Times: F

Are Sample labels filled out and legible? T

Are there Lab to Filters? F | Are there Rushes? F | Are there Short Holds? F | Is there enough Volume? T | Is there Headspace where applicable? F | Proper Media/Containers Used? T | Were trip blanks received? F | Do all samples have the proper pH?

Who was notified? | Who was notified? | Who was notified?

MS/MSD? F | Is splitting samples required? F | On COC? F | Acid: T | Base: N/A

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	9	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	6	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

From: Strickland, Ben
Sent: Mon, 11 Jul 2022 14:51:15
To: Scott Basal
Cc: St.Romain, Arlette
Subject: RE: [Ext] 22G0476 - 8260 Acetone
Sensitivity: Normal
Archived: Wednesday, July 13, 2022 10:41:34 AM

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Scott,

Please run the samples for acetone. I assume there will qualifier next to the result explaining that the result is not NY certified?

Thanks,
Ben

Ben Strickland
LaBella Associates | Environmental Geologist

518-885-5383 ext. 221
518-470-3060 direct

-----Original Message-----
From: Scott Basal <Scott.Basal@pacelabs.com>
Sent: Monday, July 11, 2022 10:43 AM
To: Strickland, Ben <BStrickland@LaBellaPC.com>
Subject: [Ext] 22G0476 - 8260 Acetone
Importance: High

Hi Ben,

Can you please advise if we are running the acetone for the 8260 sample? (COC attached) We are not certified currently for this compound via 8260 for soil/solid samples taken in NY.
It will be a couple more weeks before we will find out if we are able to regain certification.

Scott Basal
Project Manager I
39 Spruce Street, East Longmeadow, MA 01028
Cell: 413.427.4513 | Lab: 413.525.2332

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August 11, 2022

Arlette St. Romain
Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020

Project Location: 20 Forbes Ave., Rensselaer, NY
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 22G0536

Enclosed are results of analyses for samples as received by the laboratory on July 11, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott C. Basal
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020
ATTN: Arlette St. Romain

REPORT DATE: 8/11/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22G0536

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 20 Forbes Ave., Rensselaer, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-4	22G0536-01	Ground Water		SOP-454 PFAS	
MW-8	22G0536-02	Ground Water		SOP-454 PFAS	
MW-11	22G0536-03	Ground Water		SOP-454 PFAS	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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Qualifications:

PF-17

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

M2-4:2FTS
22G0536-01[MW-4]

M2-6:2FTS
22G0536-01[MW-4]

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

d3-NMeFOSAA
22G0536-03[MW-11]

d5-NEtFOSAA
22G0536-03[MW-11]

M2-8:2FTS
22G0536-03[MW-11]

M2PFTA
22G0536-01[MW-4], 22G0536-03[MW-11]

M3HFPO-DA
22G0536-01[MW-4], 22G0536-03[MW-11]

M6PFDA
22G0536-03[MW-11]

M7PFUnA
22G0536-03[MW-11]

M8FOSA
22G0536-01[MW-4], 22G0536-03[MW-11]

M8PFOA
22G0536-03[MW-11]

M8PFOS
22G0536-03[MW-11]

M9PFNA
22G0536-03[MW-11]

MPFBA
22G0536-01[MW-4], 22G0536-03[MW-11]

MPFDoA
22G0536-01[MW-4], 22G0536-03[MW-11]

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Perfluorooctanoic acid (PFOA)
S075081-CCV2

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Hexafluoropropylene oxide dimer a
S075081-CCV2

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The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0536

Date Received: 7/11/2022

Field Sample #: MW-4 Sampled: 7/8/2022 09:00

Sample ID: 22G0536-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoropentanoic acid (PFPeA)	2.7	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
N-EtFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
N-MeFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorooctanoic acid (PFOA)	2.3	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorooctanesulfonic acid (PFOS)	1.9	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH

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Project Location: 20 Forbes Ave., Rensselaer, NY | Sample Description: | Work Order: 22G0536

Date Received: 7/11/2022

Field Sample #: MW-8 | Sampled: 7/8/2022 09:30

Sample ID: 22G0536-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoropentanoic acid (PFPeA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
N-EtFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
N-MeFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorooctanoic acid (PFOA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0536

Date Received: 7/11/2022

Field Sample #: MW-11 Sampled: 7/8/2022 10:15

Sample ID: 22G0536-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.5	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoropentanoic acid (PFPeA)	4.1	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
N-EtFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
N-MeFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoropetanesulfonic acid (PFPeS)	4.8	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorooctanoic acid (PFOA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313861 - SOP 454-PFAAS										
Blank (B313861-BLK1)				Prepared: 07/29/22 Analyzed: 08/04/22						
Perfluorobutanoic acid (PFBA)	ND	1.8	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.8	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.8	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.8	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.8	ng/L							
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.8	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.8	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	ng/L							
N-EtFOSAA	ND	1.8	ng/L							
N-MeFOSAA	ND	1.8	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	1.8	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	ng/L							
Perfluorooctanesulfonamide (FOSA)	ND	1.8	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	1.8	ng/L							
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	ng/L							
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.8	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	ng/L							
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.8	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.8	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.8	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.8	ng/L							
LCS (B313861-BS1)				Prepared: 07/29/22 Analyzed: 08/04/22						
Perfluorobutanoic acid (PFBA)	10.7	1.9	ng/L	9.32		114	73-129			
Perfluorobutanesulfonic acid (PFBS)	8.99	1.9	ng/L	8.24		109	72-130			
Perfluoropentanoic acid (PFPeA)	10.6	1.9	ng/L	9.32		113	72-129			
Perfluorohexanoic acid (PFHxA)	10.4	1.9	ng/L	9.32		112	72-129			
11Cl-PF3OUdS (F53B Major)	8.71	1.9	ng/L	8.78		99.2	50-150			
9Cl-PF3ONS (F53B Minor)	8.63	1.9	ng/L	8.68		99.4	50-150			
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	9.27	1.9	ng/L	8.78		106	50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	6.31	1.9	ng/L	9.32		67.8	50-150			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.91	1.9	ng/L	8.94		99.6	67-138			
Perfluorodecanoic acid (PFDA)	10.0	1.9	ng/L	9.32		107	71-129			
Perfluorododecanoic acid (PFDoA)	9.77	1.9	ng/L	9.32		105	72-134			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.63	1.9	ng/L	8.29		104	50-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313861 - SOP 454-PFAAS										
LCS (B313861-BS1)				Prepared: 07/29/22 Analyzed: 08/04/22						
Perfluoroheptanesulfonic acid (PFHpS)	8.52	1.9	ng/L	8.90		95.7	69-134			
N-EtFOSAA	11.5	1.9	ng/L	9.32		123	61-135			
N-MeFOSAA	12.4	1.9	ng/L	9.32		133	65-136			
Perfluorotetradecanoic acid (PFTA)	10.6	1.9	ng/L	9.32		114	71-132			
Perfluorotridecanoic acid (PFTrDA)	11.1	1.9	ng/L	9.32		119	65-144			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	9.51	1.9	ng/L	8.71		109	63-143			
Perfluorodecanesulfonic acid (PFDS)	8.11	1.9	ng/L	8.99		90.2	53-142			
Perfluorooctanesulfonamide (FOSA)	9.60	1.9	ng/L	9.32		103	67-137			
Perfluorononanesulfonic acid (PFNS)	8.81	1.9	ng/L	8.94		98.5	69-127			
Perfluoro-1-hexanesulfonamide (FHxSA)	11.4	1.9	ng/L	9.32		122	50-150			
Perfluoro-1-butanesulfonamide (FBSA)	10.2	1.9	ng/L	9.32		109	50-150			
Perfluorohexanesulfonic acid (PFHxS)	9.59	1.9	ng/L	8.52		112	68-131			
Perfluoro-4-oxapentanoic acid (PFMPA)	9.37	1.9	ng/L	9.32		101	50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	10.3	1.9	ng/L	9.32		110	50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	9.80	1.9	ng/L	8.85		111	64-140			
Perfluoropetanesulfonic acid (PFPeS)	10.6	1.9	ng/L	8.76		121	71-127			
Perfluoroundecanoic acid (PFUnA)	10.2	1.9	ng/L	9.32		110	69-133			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.18	1.9	ng/L	9.32		98.5	50-150			
Perfluoroheptanoic acid (PFHpA)	10.4	1.9	ng/L	9.32		111	72-130			
Perfluorooctanoic acid (PFOA)	11.6	1.9	ng/L	9.32		124	71-133			
Perfluorooctanesulfonic acid (PFOS)	8.81	1.9	ng/L	8.62		102	65-140			
Perfluorononanoic acid (PFNA)	11.9	1.9	ng/L	9.32		128	69-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
PF-17	Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.
S-29	Extracted Internal Standard is outside of control limits.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW-4 (22G0536-01)			Lab File ID: 22G0536-01.d			Analyzed: 08/04/22 19:00			
M8FOSA	64271.81	4.004567	332,486.00	4.00455	19	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	361102.3	2.496833	206,351.00	2.505033	175	50 - 150	-0.0082	+/-0.50	*
M2PFTA	52587.15	4.345933	1,423,107.00	4.345917	04	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	166729.6	3.810767	149,116.00	3.81075	112	50 - 150	0.0000	+/-0.50	
MPFBA	170124.7	1.066783	506,928.00	1.075083	34	50 - 150	-0.0083	+/-0.50	*
M3HFPO-DA	87760.69	2.839317	196,481.00	2.847483	45	50 - 150	-0.0082	+/-0.50	*
M6PFDA	450238.4	3.8113	719,317.00	3.811283	63	50 - 150	0.0000	+/-0.50	
M3PFBS	116097.9	1.894967	152,226.00	1.90325	76	50 - 150	-0.0083	+/-0.50	
M7PFUnA	546740.6	3.962033	989,921.00	3.962017	55	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	209668	3.453283	123,959.00	3.453267	169	50 - 150	0.0000	+/-0.50	*
M5PFPeA	294780.7	1.7231	475,823.00	1.731383	62	50 - 150	-0.0083	+/-0.50	
M5PFHxA	708812.6	2.580567	917,895.00	2.596967	77	50 - 150	-0.0164	+/-0.50	
M3PFHxS	105646.9	3.21835	140,133.00	3.226417	75	50 - 150	-0.0081	+/-0.50	
M4PFHpA	846362.6	3.18695	1,082,599.00	3.186933	78	50 - 150	0.0000	+/-0.50	
M8PFOA	686247.8	3.469933	996,510.00	3.469917	69	50 - 150	0.0000	+/-0.50	
M8PFOS	78436.23	3.66015	133,024.00	3.660133	59	50 - 150	0.0000	+/-0.50	
M9PFNA	455273.9	3.661183	735,984.00	3.661167	62	50 - 150	0.0000	+/-0.50	
MPFDoA	309742.7	4.09665	1,117,487.00	4.096633	28	50 - 150	0.0000	+/-0.50	*
d5-NEtFOSAA	196890.9	3.9695	276,941.00	3.969483	71	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	202227.8	3.88975	316,522.00	3.889733	64	50 - 150	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW-8 (22G0536-02)			Lab File ID: 22G0536-02.d			Analyzed: 08/04/22 19:07			
M8FOSA	216841.1	4.01255	332,486.00	4.00455	65	50 - 150	0.0080	+/-0.50	
M2-4:2FTS	120833.6	2.513233	206,351.00	2.505033	59	50 - 150	0.0082	+/-0.50	
M2PFTA	809580.9	4.345933	1,423,107.00	4.345917	57	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	90214.99	3.818733	149,116.00	3.81075	60	50 - 150	0.0080	+/-0.50	
MPFBA	354177.9	1.075083	506,928.00	1.075083	70	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	146733.5	2.855667	196,481.00	2.847483	75	50 - 150	0.0082	+/-0.50	
M6PFDA	525565.8	3.81925	719,317.00	3.811283	73	50 - 150	0.0080	+/-0.50	
M3PFBS	125287.3	1.911533	152,226.00	1.90325	82	50 - 150	0.0083	+/-0.50	
M7PFUnA	720482.7	3.962017	989,921.00	3.962017	73	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	65027.83	3.453267	123,959.00	3.453267	52	50 - 150	0.0000	+/-0.50	
M5PFPeA	367311.4	1.731383	475,823.00	1.731383	77	50 - 150	0.0000	+/-0.50	
M5PFHxA	760801.8	2.605183	917,895.00	2.596967	83	50 - 150	0.0082	+/-0.50	
M3PFHxS	101065.9	3.226417	140,133.00	3.226417	72	50 - 150	0.0000	+/-0.50	
M4PFHpA	847672	3.195017	1,082,599.00	3.186933	78	50 - 150	0.0081	+/-0.50	
M8PFOA	659494.6	3.469917	996,510.00	3.469917	66	50 - 150	0.0000	+/-0.50	
M8PFOS	78489.45	3.660133	133,024.00	3.660133	59	50 - 150	0.0000	+/-0.50	
M9PFNA	468582	3.661183	735,984.00	3.661167	64	50 - 150	0.0000	+/-0.50	
MPFDoA	780721.4	4.096633	1,117,487.00	4.096633	70	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	193487.7	3.969483	276,941.00	3.969483	70	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	195760.9	3.889733	316,522.00	3.889733	62	50 - 150	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW-11 (22G0536-03)			Lab File ID: 22G0536-03.d			Analyzed: 08/04/22 19:14			
M8FOSA	31875.68	4.004567	332,486.00	4.00455	10	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	131373.8	2.496833	206,351.00	2.505033	64	50 - 150	-0.0082	+/-0.50	
M2PFTA	15471.35	4.3378	1,423,107.00	4.345917	01	50 - 150	-0.0081	+/-0.50	*
M2-8:2FTS	61277.24	3.810767	149,116.00	3.81075	41	50 - 150	0.0000	+/-0.50	*
MPFBA	194555.3	1.0751	506,928.00	1.075083	38	50 - 150	0.0000	+/-0.50	*
M3HFPO-DA	90396.69	2.8475	196,481.00	2.847483	46	50 - 150	0.0000	+/-0.50	*
M6PFDA	279227.8	3.8113	719,317.00	3.811283	39	50 - 150	0.0000	+/-0.50	*
M3PFBS	85691.63	1.90325	152,226.00	1.90325	56	50 - 150	0.0000	+/-0.50	
M7PFUnA	281825.9	3.962033	989,921.00	3.962017	28	50 - 150	0.0000	+/-0.50	*
M2-6:2FTS	70038.58	3.453283	123,959.00	3.453267	57	50 - 150	0.0000	+/-0.50	
M5PFPeA	246383.5	1.731383	475,823.00	1.731383	52	50 - 150	0.0000	+/-0.50	
M5PFHxA	511231	2.596983	917,895.00	2.596967	56	50 - 150	0.0000	+/-0.50	
M3PFHxS	71892.2	3.226433	140,133.00	3.226417	51	50 - 150	0.0000	+/-0.50	
M4PFHpA	625909.4	3.195017	1,082,599.00	3.186933	58	50 - 150	0.0081	+/-0.50	
M8PFOA	488757.7	3.469933	996,510.00	3.469917	49	50 - 150	0.0000	+/-0.50	*
M8PFOS	53523.16	3.66015	133,024.00	3.660133	40	50 - 150	0.0000	+/-0.50	*
M9PFNA	322519.6	3.661183	735,984.00	3.661167	44	50 - 150	0.0000	+/-0.50	*
MPFDoA	130582.1	4.09665	1,117,487.00	4.096633	12	50 - 150	0.0000	+/-0.50	*
d5-NEtFOSAA	90065.29	3.9695	276,941.00	3.969483	33	50 - 150	0.0000	+/-0.50	*
d3-NMeFOSAA	109751.3	3.88975	316,522.00	3.889733	35	50 - 150	0.0000	+/-0.50	*

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B313861-BLK1)			Lab File ID: B313861-BLK1.d			Analyzed: 08/04/22 18:38			
M8FOSA	212382	4.004567	332,486.00	4.00455	64	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	151420.1	2.521467	206,351.00	2.505033	73	50 - 150	0.0164	+/-0.50	
M2PFTA	839187.6	4.34595	1,423,107.00	4.345917	59	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	120958.5	3.810767	149,116.00	3.81075	81	50 - 150	0.0000	+/-0.50	
MPFBA	410887	1.075083	506,928.00	1.075083	81	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	151953.8	2.855667	196,481.00	2.847483	77	50 - 150	0.0082	+/-0.50	
M6PFDA	570387.4	3.819267	719,317.00	3.811283	79	50 - 150	0.0080	+/-0.50	
M3PFBS	132355.9	1.91155	152,226.00	1.90325	87	50 - 150	0.0083	+/-0.50	
M7PFUnA	762903.6	3.962033	989,921.00	3.962017	77	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	85585.16	3.461417	123,959.00	3.453267	69	50 - 150	0.0082	+/-0.50	
M5PFPeA	401583.8	1.731383	475,823.00	1.731383	84	50 - 150	0.0000	+/-0.50	
M5PFHxA	801456.6	2.6052	917,895.00	2.596967	87	50 - 150	0.0082	+/-0.50	
M3PFHxS	111032.9	3.226417	140,133.00	3.226417	79	50 - 150	0.0000	+/-0.50	
M4PFHpA	962112.9	3.195017	1,082,599.00	3.186933	89	50 - 150	0.0081	+/-0.50	
M8PFOA	793070.4	3.469933	996,510.00	3.469917	80	50 - 150	0.0000	+/-0.50	
M8PFOS	99530.84	3.66015	133,024.00	3.660133	75	50 - 150	0.0000	+/-0.50	
M9PFNA	548262	3.661183	735,984.00	3.661167	74	50 - 150	0.0000	+/-0.50	
MPFDoA	818929.3	4.09665	1,117,487.00	4.096633	73	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	172877.1	3.9695	276,941.00	3.969483	62	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	204096.3	3.88975	316,522.00	3.889733	64	50 - 150	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (B313861-BS1)			Lab File ID: B313861-BS1.d			Analyzed: 08/04/22 18:31			
M8FOSA	244043.3	4.004567	332,486.00	4.00455	73	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	170251.2	2.51325	206,351.00	2.505033	83	50 - 150	0.0082	+/-0.50	
M2PFTA	1003563	4.345933	1,423,107.00	4.345917	71	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	158149.7	3.810767	149,116.00	3.81075	106	50 - 150	0.0000	+/-0.50	
MPFBA	457943.8	1.075083	506,928.00	1.075083	90	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	223486.3	2.855667	196,481.00	2.847483	114	50 - 150	0.0082	+/-0.50	
M6PFDA	663327.4	3.819267	719,317.00	3.811283	92	50 - 150	0.0080	+/-0.50	
M3PFBS	151500.9	1.91155	152,226.00	1.90325	100	50 - 150	0.0083	+/-0.50	
M7PFUnA	900317.3	3.962033	989,921.00	3.962017	91	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	102000.2	3.453283	123,959.00	3.453267	82	50 - 150	0.0000	+/-0.50	
M5PFPeA	447092.1	1.731383	475,823.00	1.731383	94	50 - 150	0.0000	+/-0.50	
M5PFHxA	895435.1	2.6052	917,895.00	2.596967	98	50 - 150	0.0082	+/-0.50	
M3PFHxS	120422	3.226417	140,133.00	3.226417	86	50 - 150	0.0000	+/-0.50	
M4PFHpA	1047109	3.195017	1,082,599.00	3.186933	97	50 - 150	0.0081	+/-0.50	
M8PFOA	861861	3.469933	996,510.00	3.469917	86	50 - 150	0.0000	+/-0.50	
M8PFOS	107507.9	3.66015	133,024.00	3.660133	81	50 - 150	0.0000	+/-0.50	
M9PFNA	633651.6	3.661183	735,984.00	3.661167	86	50 - 150	0.0000	+/-0.50	
MPFDoA	966903.8	4.09665	1,117,487.00	4.096633	87	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	188615.8	3.9695	276,941.00	3.969483	68	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	253461	3.889733	316,522.00	3.889733	80	50 - 150	0.0000	+/-0.50	

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SOP-454 PFAS in Water	
Perfluorobutanoic acid (PFBA)	NH-P
Perfluorobutanesulfonic acid (PFBS)	NH-P
Perfluoropentanoic acid (PFPeA)	NH-P
Perfluorohexanoic acid (PFHxA)	NH-P
11Cl-PF3OUdS (F53B Major)	NH-P
9Cl-PF3ONS (F53B Minor)	NH-P
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NH-P
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH-P
8:2 Fluorotelomersulfonic acid (8:2FTS A)	NH-P
Perfluorodecanoic acid (PFDA)	NH-P
Perfluorododecanoic acid (PFDoA)	NH-P
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NH-P
Perfluoroheptanesulfonic acid (PFHpS)	NH-P
N-EtFOSAA	NH-P
N-MeFOSAA	NH-P
Perfluorotetradecanoic acid (PFTA)	NH-P
Perfluorotridecanoic acid (PFTrDA)	NH-P
4:2 Fluorotelomersulfonic acid (4:2FTS A)	NH-P
Perfluorodecanesulfonic acid (PFDS)	NH-P
Perfluorooctanesulfonamide (FOSA)	NH-P
Perfluorononanesulfonic acid (PFNS)	NH-P
Perfluoro-1-hexanesulfonamide (FHxSA)	NH-P
Perfluoro-1-butanesulfonamide (FBSA)	NH-P
Perfluorohexanesulfonic acid (PFHxS)	NH-P
Perfluoro-4-oxapentanoic acid (PFMPA)	NH-P
Perfluoro-5-oxahexanoic acid (PFMBA)	NH-P
6:2 Fluorotelomersulfonic acid (6:2FTS A)	NH-P
Perfluoropetanesulfonic acid (PFPeS)	NH-P
Perfluoroundecanoic acid (PFUnA)	NH-P
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH-P
Perfluoroheptanoic acid (PFHpA)	NH-P
Perfluorooctanoic acid (PFOA)	NH-P
Perfluorooctanesulfonic acid (PFOS)	NH-P
Perfluorononanoic acid (PFNA)	NH-P

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

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726-0536

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella Associates
Address:	5 McCrea Hill Road
Phone:	518-885-5383
Project Name:	Former Barnet Mills Property
Project Location:	20 Forbes Avenue, Rensselaer
Project Number:	
Project Manager:	Arlette St. Romain
Pace Analytical Quote Name/Number:	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: see comments section
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1]Matrix Code	Conc Code	PFAS EPA Method 537.1	2												# of Containers
									1												[2] Preservation Code
									P												[3] Container Code
1	MW-4	7/8/2022	900		X	GW	U	X													
2	MW-8	7/8/2022	930		X	GW	U	X													
3	MW-11	7/8/2022	1015		X	GW	U	X													

ANALYSIS REQUESTED

Dissolved Metals Samples
☑ Field Filtered
☑ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Please Email reports to:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7/8/22 1130
Received by: (signature) PACE	Date/Time: 7/11/22 10:10
Relinquished by: (signature) PACE	Date/Time: 3:20 7/11/22
Received by: (signature)	Date/Time: 3:20 7/11/22
Relinquished by: (signature)	Date/Time: 4:20 7/11/22
Received by: (signature) 4.5	Date/Time: 7/11 16:20

Program & Regulatory Information
☐ AWQ STDS ☑ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Labella Associates

Received By: JCW Date: 07/11/22 Time: 1620

How were the samples received? In Cooler: T No Cooler: _____ On Ice: T No Ice: _____
Direct from Sampling: _____ Ambient: _____ Melted Ice: _____
By Gun #: 5 Actual Temp - 4.5
Were samples within Temperature? 2-6°C: T By Blank #: _____ Actual Temp - _____
Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? _____
Did COC include all pertinent Information? Client: T Analysis: T Sampler Name: T
Project: T ID's: T Collection Dates/Times: T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F
Are there Rushes? F
Are there Short Holds? F
Is there enough Volume? T
Is there Headspace where applicable? N/A
Proper Media/Containers Used? T
Were trip blanks received? F
Do all samples have the proper pH? Acid: N/A Base: N/A

Who was notified? _____
Who was notified? _____
Who was notified? _____
MS/MSD? F
Is splitting samples required? F
On COC? F

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	6	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Phase I Environmental Site Assessment

Former Barnet Mills
20 Forbes Avenue, City of Rensselaer, Rensselaer County, New York
(Rensselaer County Tax ID 133.-3-7)

February 17, 2023

Prepared by:

Alpine Environmental Services, Inc.
438 New Karner Road
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Project: 21-26694A-E

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EXECUTIVE SUMMARY

Alpine Environmental Services, Inc. (Alpine) performed a Phase I Environmental Site Assessment (ESA) of the property located at 20 Forbes Avenue in the City of Rensselaer, Rensselaer County, New York. The Subject Property (SP) is currently owned by Bath Springs Development Company, LLC, and is listed as approximately 6.1 acres and is comprised of Rensselaer County Tax ID 133.-3-7.

The SP is identified as having been originally constructed in 1873 as the Stroebel Malt House Brewery. The facility was then purchased in 1905 by The William Barnet Company and became the William Barnet & Sons All Wool Shoddy Mill, which reclaimed wool scraps from textile mills and restored them into batched wool fabric for resale. In 1915, the original mostly wooden mill structure burned in a fire and was then re-constructed as a masonry and steel fireproof structure and remained as the shoddy mill until sometime in the 1960's when the company moved its operations to South Carolina. The mill facility was thereafter purchased by Hilton Management, LLC, and became The Hilton Center, leasing portions of the building to numerous tenants for a wide spectrum of commercial, industrial and fine arts uses. Some of the known uses within portions of the facility have included tenant occupation by an architectural firm, a photography studio, automobile repair, industrial manufacturing of wire products, studio space for musicians, storage space and numerous other uses over decades of tenant rental. The property is currently vacant and is undergoing preliminary building area cleanup for a planned project that is to include renovation of the site buildings into residential apartments.

This assessment was comprised of a site reconnaissance, interviews with individuals knowledgeable of the property, and a regulatory and historical information review. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. Provided below is a summary of the findings identified as a result of this ESA. This summary provides our opinions as to the potential impact of these findings to the site based on the Phase I ESA process. The conclusions are grouped into historic recognized environmental conditions & de minimis conditions and recognized environmental conditions.

Historic Recognized Environmental Conditions

This assessment has identified the following <u>historic</u> recognized environmental conditions (RECs) in connection with the Subject Property (historic RECs are not recognized environmental conditions):

- 1. Prior site spills: Four prior petroleum spills were identified for the SP prior to 2021, assigned spill numbers 88-06485, 99-01711, 08-04418, and 13-00591, all four of the spills were investigated by the NYS DEC and subsequently closed all four of

the spills, following action by the responsible parties. See section 5.1.2 for a summary of each spill listing. Relevant records obtained from the NYS DEC for these spills are located in Appendix H.

- 2. 100,000 gallon sub grade concrete tank: According to historic mapping, a 100,000-gallon storage tank is present at or near the south end of SP building #5 and “large vaults” were reported by NYSDEC to exist beneath portions of the mill buildings. Additionally, it is presumed that all floor drains observed within the mill buildings are likely to discharge to the stormwater system and ultimately to the river. The water in the tank was sampled as part of the Phase II ESA (Oct 2021) and no VOCs, semi-VOCs, or PCBs were detected in the sample.

- 3. Former Electrical Substation: An electrical power substation is present along the west side of the SP, to the east of Building 5. Multiple PCB oil containing transformers are likely to have been present within this substation. A Phase II ESA (Alpine; 10/2021) included testing shallow soil samples from this electrical substation area for PCB and petroleum contaminated soils. Results indicate there were no contaminants present above regulatory cleanup standards in the shallow soil (0-1 foot depth).

- 4. PBS tank active registrations for the SP: Multiple petroleum and chemical storage tanks have existed on the SP. Three tanks were registered with the NYS DEC, PBS #4-443514 (under a prior owner, Jelliff Corp). Two were reportedly closed, the third, a 550 gallon underground fuel oil tank remains listed on the registration as "Active". The location of this tank is not clearly identified in the PBS records obtained from the DEC, although, a rough sketch in the file (see Figure 5.1 in section 5.1.2 below) appears to show the tank at the southeast end of SP building #4. The GPR survey scanned this area and no tank like anomalies were detected. Soil and groundwater samples collected in this area (S-19/MW-19), did not detect contaminants in excess of standards. Evidence was not found indicating the 550 gallon tank is present at the location identified on the sketch, and samples collected in this area did not show contamination present above standards.

  The current property owner registered a 1,000 gallon underground tank and a 20,000 gallon underground tank with the NYS DEC PBS program, PBS #4-601736, both tanks were identified during a Phase I/II ESA (July/Oct 2021). Both tanks were removed by the current property owner in 2021. The 20,000 gallon tank was found to be leaking and a spill was reported to the NYS DEC (See REC 6 below) and the spill remains open as of the date of this report. The 1,000 gallon tank is thought to have been used as an oil/water separator before discharging storm water to the Hudson

River. No evidence of petroleum products being stored in the 1,000 gallon removed tank was observed. Soil samples collected from the tank excavation boundaries at the time of removal show several semi volatile organic compounds exceeded standards (See REC 5 below). The new registration listed these tanks as "in service", although both are no longer present; the registration should be updated to reflect the removal of the tanks.

Recognized Environmental Conditions (RECs)

This assessment has revealed no evidence of controlled recognized environmental conditions in connection with the Subject Property.

This assessment has revealed evidence of recognized environmental conditions (RECs) in connection with the Subject Property, as follows:

- 1. Industrial usage and commercial auto storage & repair (and possibly salvage) usage of the SP: A long history of industrial manufacturing usage, and auto repair usage, of the SP was identified through this ESA process. Evidence was found showing chlorinated and non chlorinated volatile organic compounds were used and stored at the site. This type of usage, predating regulations requiring special handling and disposal of hazardous substances and waste, presents a high risk for environmental contamination at the SP. A Phase II ESA (Alpine; 10/2021) and Supplemental Phase II ESA (Labella; 7/2022) were performed at the SP, both assessments showing exceedances of standards for volatile and semi volatile organic compounds in soil and groundwater, at several test locations, including west of buildings #6 and #7 (B-8/MW-8 location); south and west of SP building #4 (B-4/MW-4 location).

- 2. The west side of SP building #9 was filled with automobiles during the 2021 Phase I and Phase 2 ESA. At the time of this assessment, the automobiles have been removed and three waste drums, possibly containing waste motor oil are present, along with waste tires, in this area. Sampling beneath this section of the building may be necessary to determine if the storage or repair of automobiles in this building area has impacted subsurface soil or groundwater quality beneath this building area. Waste drums should be removed and disposed according to waste characterized in each drum.

- 3. Stormwater basin sediment: Soil sample analysis results from a Phase II ESA (Alpine; 10/2021) indicate the presence of VOC's and SVOC compounds in storm drain sediments. Exceedances of some SVOC compounds were identified in the

storm drain sediments. Low concentrations of PCB's and heavy metals, below cleanup standards, were also present in these sediment samples. Floor drain sediments at the SP should be assumed to contain contaminants exceeding standards unless tested to show otherwise, and cleaned and disposed of properly.

- 4. Land filling of hazardous substances at the SP: Land filling has reportedly occurred in the northern end of the SP. CHA reported as a result of a 2013 site inspection, that an apparent dumping area for various debris was noted in the northern site area. A significant amount of construction and demolition type debris was noted in this area. CHA noted that based on appearances in this area in conjunction with past documented actions of the property owner (at that time), including the attempted burial of PCB-contaminated electrical transformers, "there is reason to suspect the dumping or burial of potentially hazardous waste materials in this area". A Phase II ESA (Alpine;10/2021) included excavating eleven test pits in this area with sample collection and analysis. Volatile organic compounds, polychlorinated bi phenols (PCBs), and metals were detected at multiple locations in excess of NYS DEC standards. Groundwater collected in this area (location MW-11) indicates the groundwater standard was exceeded for bis(2-ethylhexyl) phthalate, a semi volatile organic compound. The results indicate that dumping of hazardous substances has likely occurred in this location and requires additional testing and/or remediation. The Brownfield Program application included these results for inclusion into the remedial investigation and remediation process.

- 5. 1,000 gallon "oil water separator" tank soil sample exceedances: The 1,000 gallon "oil/water separator" tank was removed by the SP owner in 2021. No evidence of petroleum products being stored in the 1,000 gallon removed tank was observed. Soil samples collected from the tank excavation boundaries at the time of removal show several semi volatile organic compounds exceeded standards. Further investigation/ remediation may be necessary.

- 6. Active spill listing for SP: The July 2021 Phase I ESA identified a potential tank south of SP building #1. The October 2021 Phase II ESA GPR scanning found a large sub surface anomaly at the location consistent with an underground tank. On August 31, 2021 and September 1, 2021, Bath Springs Development excavated and removed the tank, an estimated 20,000-gallon #6 fuel oil tank, and discovered the tank had leaked, prompting the spill reporting to the NYS DEC (Spill number 2104385). The contamination was still present greater than 30 ft below grade, beyond standard equipment excavation reach, given the

limitations on expanding the sides of the excavation due to building foundation, adjoining roads, railroad tracks, and utilities. Free product was noted as evident on the groundwater surface, The spill remains open, and was included in the active Brownfield Program application submitted to the NYS DEC, for potential further investigation/remediation under that program.

- 7. Vapor intrusion potential: Based on sub slab soil gas samples collected at the site presented in the Phase II ESA report (Oct 2021), vapor intrusion of volatile organic compounds is likely in the buildings at this site. Vapor mitigation design and installation is recommended before occupation of the buildings.

1.0 INTRODUCTION

Alpine Environmental Services, Inc. (Alpine) performed a Phase I Environmental Site Assessment (ESA) of the property located at 20 Forbes Avenue in the City of Rensselaer, Rensselaer County, New York. The Subject Property (SP) is currently owned by Bath Springs Development Company, LLC, and is listed as approximately 6.1 acres and is comprised of Rensselaer County Tax ID 133.-3-7. The SP is identified on Figures following this summary.

This Phase I ESA was prepared for BBL Barnet LLC as an environmental due diligence investigation for potential acquisition and development of the Subject Property.

1.1 Purpose

The purpose of this Phase I ESA is to reasonably identify potential or known recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), historic recognized environmental conditions (HRECs), and Significant Data Gaps (SDGs) as defined by ASTM E 1527-21.

1.2 Scope of Services

The methodology employed for this Phase I ESA is consistent with the requirements of ASTM E 1527-21. A commercially available database summary report for Federal and State regulatory databases was utilized to determine the possible presence or release of hazardous substances or petroleum product at the site and/or within the ASTM search distances identified in ASTM E 1527-21.

1.3 Qualifications

This Phase I ESA has been conducted by qualified environmental professionals with the required level of education in an environmental field of study and experience in the performance of Phase I ESAs. These qualifications are consistent with environmental professional requirements referenced in the ASTM E 1527-21 standard.

1.4 User Responsibilities

The purpose of this section is to describe tasks to be performed by the *user*. The "All Appropriate Inquiries (AAI)" Final Rule (40 CFR Part 312) requires that these tasks be performed by or on behalf of a party seeking to qualify for an LLP to CERCLA liability. These tasks must also be completed by or on behalf of EPA Brownfield Assessment and Characterization grantees.

- Review Title and Judicial Records for Environmental Liens and Activity and Use Limitations (AULs)—To meet the requirements of 40 CFR 312.20 and 312.25, a search for the existence of environmental liens and AULs that are filed or recorded against the property. The *User* should engage a title company, real estate attorney, or title professional to undertake this review.

- Users must take into account their specialized knowledge to identify conditions indicative of releases or threatened releases. If the user has any specialized knowledge or experience that is material to recognized environmental conditions in connection with the property, the user should communicate any information based on such specialized knowledge or experience to the environmental professional.

- If the user has actual knowledge of any environmental lien or AULs encumbering the property or in connection with the property, the user should communicate such information to the environmental professional.

- In a transaction involving the purchase of a parcel of commercial real estate, the user shall consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous substances or petroleum products. The user should try to identify an explanation for a lower price which does not reasonably reflect fair market value if the property was not contaminated, and make a written record of such explanation.

- Commonly known or reasonably ascertainable information within the local community about the property must be taken into account by the user. If the user is aware of any commonly known or reasonably ascertainable information within the local community about the property that is material to recognized environmental conditions in connection with the property, the user should communicate such information to the environmental professional.

- The user must consider the degree of obviousness of the presence or likely presence of releases or threatened releases at the property and the ability to detect releases or threatened releases by appropriate investigation.

- The user shall make known to the environmental professional the reason why the user wants to have the Phase I Environmental Site Assessment performed or, if the user does not identify the purpose of the Phase I Environmental Site Assessment, the environmental professional shall assume the purpose is to qualify for an LLP to CERCLA liability.

1.5 Significant Assumptions

Significant assumptions made in the performance of this Phase I ESA are as follows:

- Groundwater flow approximately mimics major topographic gradients (unless otherwise determined through provided technical reports).

- Representations made during interviews and other communications are accurate.

- Vapor migration may occur in hydraulically downgradient locations via groundwater transport, but may also occur in other directions through a variety of pathways.

Therefore, barring the availability of field sampling data, vapor migration is more commonly assessed by the environmental professional based on distance from the SP, magnitude and type of contaminant.

- In assessing potential impacts of groundwater/soil/vapor contamination migration, Alpine utilizes the common practice plume width/length data as the cut off to determine potential impacts.

1.6 Special Terms and Conditions

No special terms and conditions beyond the ASTM E1527-21 scope of work were included in this ESA.

1.7 Limitations and Exceptions of Assessment

The performance of this Phase I ESA is consistent with ASTM Standard E 1527-21 and is intended to reduce, but not eliminate, such uncertainty regarding the potential for RECs in connection with a Subject Property, and this practice recognizes reasonable limits of time and cost. The information presented in this report is limited to the assessment conducted and described herein, and is not necessarily all inclusive of conditions present at the SP.

This practice does not address whether requirements, in addition to all appropriate inquiry (AAI), have been met in order to qualify for the landowner liability protections (LLPs), including "the continuing obligation not to impede the integrity and effectiveness of activity and use limitations (AULs), or the duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting operations." Failure to meet continuing obligations may forfeit CERCLA liability protection.

1.8 Deviations

There were no deviations from the ASTM E 1527-21 process.

1.9 User Reliance

This report is intended for the sole and exclusive use of the entities listed below and may not be used or relied upon by others unless specified in writing. The findings of the report are limited to those specifically expressed in the report under the written limitations and agreement.

The following entity/entities may rely on this report:

BBL Barnet LLC 302 Washington Avenue Extension, Albany, NY 12203

1.10 Report and Component Expiration

This Phase I ESA report is considered valid only under the conditions specified according to ASTM E1527. Specifically, this report may only be valid for the protections sought under this standard for the period specified in Table 1.10, without updating the listed items, and not greater than one year from first performance.

Table 1.10: Assessment Component Expiration Dates

Assessment Component	Date Performed/Completed	Component Expiration Date
Interview with SP owner representative	January 30, 2023	July 29, 2023
Interview with ESA User	Owner Rep is also the User	July 29, 2023
Interview with SP occupant/operator	Owner Rep is also operator	July 29, 2023
Search for Environmental Cleanup Liens	Not Applicable/User Responsibility	180 days from performance
Review of Government Records	January 19, 2023	July 18, 2023
Site Reconnaissance	February 2, 2023	August 1, 2023
Declaration of Environmental Professional	February 17, 2023	August 16, 2023

1.11 Definitions

Business environmental risk- a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of *commercial real estate*, not necessarily related to those environmental issues required to be investigated in this practice. Consideration of *BER* issues may involve addressing one or more non-scope considerations

Controlled recognized environmental condition- a recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).

Data gap- a lack of or inability to obtain information required by the standard despite good faith efforts by the environmental professional to gather such information.

De minimis condition- a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a de minimis condition is not a recognized environmental condition nor a controlled recognized environmental condition

Historical recognized environmental condition- a previous release of hazardous substances or petroleum products affecting the SP that has been addressed to the satisfaction of the applicable regulatory authority or authorities meeting unrestricted use criteria established by a regulatory authority or authorities, without subjecting the property to any controls.

Recognized environmental conditions (REC)- the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. For the purposes of this definition, "likely" is that which is neither certain nor proved, but can be expected or believed by a reasonable observer based on the logic and/or experience of the environmental professional, and/or available evidence, as stated in the report to support the opinions given therein.

2.0 SITE DESCRIPTION

2.1 Site Location and Total Site Area

The Subject Property (SP) considered in this Phase I Environmental Site Assessment is an approximately 6.1-acre land parcel in the City of Rensselaer, Rensselaer County, NY, known as 20 Forbes Avenue. The site contains several multi-story industrial use buildings that covers a large portion of the tax parcel.

A figure illustrating the site location is provided as Figure 1, a site plan showing the layout of the parcel is provided as Figure 2, a tax map section showing the site parcel is provided as Figure 3, and a Site Survey drawing is provided as Figure 4.

2.2 Current Site Uses/Operations

The SP is currently vacant.

2.3 General Site Configuration

This SP is improved with nine industrial use buildings. The buildings cover a large portion of the SP, primarily based on two parallel elevations.

2.3.1 Roadways on or Adjoining the Site

The site is accessed via a roadway/driveway from the west side of Forbes Avenue. This roadway also crosses the railroad along the west side of the SP and is utilized to access a Rensselaer County riverfront property and boat launch to the west of the SP, along the Hudson River. A second gravel surfaced roadway travels along the east side of the main site buildings and between the main and eastern site buildings and a third gravel surfaced roadway lies along the west side of the site between the SP buildings and the railroad tracks.

2.3.2 Easements and Right of Ways

Based on a 2018 survey by Surveysmith Land Surveying, the following right of ways/easements for the SP are noted:

The City of Rensselaer utilizes the site access roadway to cross the railroad tracks and access the boat launch and riverfront parcel to the west of the SP

The gravel roadway between the site buildings is identified as a right of way, possibly to the National Grid property north of the SP.

A 20-foot wide easement extends from the western central portion of the SP to the boat launch at the shore of the Hudson River. This easement purportedly is utilized for stormwater discharge piping from the SP.

Utility easements for municipal sewer and water and drainage may exist on portions of the SP, although mapping to confirm these was not provided.

No other records related to easements, activity and use limitations, and/or liens, was provided by the SP owner or site assessment user.

2.4 Structures

The SP is improved with nine industrial use masonry buildings, most being multiple stories that were originally constructed as the Barnet Shoddy Mill, a felt fabric recycling mill. Building locations on the SP are identified on Figure 2 of this report. Buildings #2 and #3 have been demolished and these areas of the SP are now vacant land with remaining portions of the concrete floor slabs. Photos of these buildings are provided in Appendix A of this report.

2.4.1 Heating System

The majority of SP buildings are reportedly not heated at this time. Some spaces in some buildings may be utilizing natural gas space heating units. Natural gas is provided to the SP and it is surmised that the most recent heating systems within certain site buildings utilized natural gas as a heating fuel. Historically, coal and petroleum heating systems have been present on the SP.

2.5 Site Utilities

2.5.1 Potable Water

Municipal potable water is provided to the SP. Water service to the SP was observed in some building areas but these systems may or may not be active and it is assumed that no water is provided to any of the non-heated building areas.

2.5.2 Sanitary Sewage Disposal Systems

The SP buildings are served by a municipal sanitary sewer disposal system.

2.5.3 Storm Sewer Disposal

Stormwater on the SP appears to discharge via underground building drains, westward to the Hudson River.

2.5.4 Electricity

Electrical service to properties in the area of the SP are provided by National Grid, via above ground connections to multiple SP buildings.

2.5.5 Natural Gas

Natural gas service is provided to the SP by National Grid, via underground service connections along the eastern site driveway/roadway. At the time of the site visit, it appeared that natural gas services observed had been disconnected at the regulator service connections.

2.6 Topographic Description

The area topography is generally sloped downward from the east to west with a central nominal elevation of approximately 30 feet above mean sea level (MSL) and with a moderate downward area slope to the Hudson River basin, west of the SP. The terrain slopes steeply upward from the east side of the SP and to the west, slopes down mildly to the river.

2.7 Site Soils and Geology

A review of Surficial Geologic Mapping of New York indicates that surficial soils in the area of the SP are mapped as Urban Land, with a large variation of fill and soil types, and with highly variable characteristics.

Bedrock is not exposed at the SP or in the areas immediately surrounding the site.

2.8 Site Hydrology and Hydrogeology

No surface water bodies are present on the SP. Based on site and surrounding area drainage contours, regional groundwater flow is expected to be westward across the SP to, the Hudson River.

2.9 Surrounding Land Uses

The surrounding land uses, as identified during the site visit and from other available sources, are summarized in table 2.9 below.

Table 2.9: Surrounding Land Uses

Direction	Adjoining	Surrounding/Nearby
North	- Partially cleared wooded land with electrical transmission towers owned by National Grid Power Co is present to the north of the SP along with mostly wooded city owned land along the Hudson River.	- The I-90 Highway and additional forested lands are located further north.
South	- Residential and commercial properties in Rensselaer City streets lie south of the SP.	- Further south are additional properties and some commercial and industrial use buildings.
East	- Steeply upward sloping wooded land is present to the east of the SP.	- Further east are developed residential and some commercial areas of the City of Rensselaer, and the Doan School campus.
West	- A railroad line lies immediately west of the SP. West of the southern end of the SP appears to be a property historically developed with large industrial storage tanks (Currently vacant land with bermed containment).	- Further west are park lands and a boat launch on the Hudson River.

3.0 USER PROVIDED INFORMATION

Alpine is providing this report on behalf of the "user" of this assessment, and the user has provided limited user knowledge and information for this assessment.

3.1 Title records

The SP at the time of the Phase I ESA, is identified as being owned by Bath Springs Development, LLC. Title records for the SP were not provided by the ESA user/SP owner for review. Rensselaer County on-line information indicates that the property was previously owned by Hilton Management, LLC and was transferred to Bath Springs Development Company, LLC in March of 2018.

3.2 Environmental Liens or Activity and Use Limitations (AULs)

The ESA user and SP owner did not indicate awareness of environmental cleanup liens against the property. None were identified during the course of the ESA data research.

The ESA user and SP owner did not indicate awareness of AULs, such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law. None were identified during the course of the ESA data research.

3.3 User Specialized Knowledge

The ESA user has no reported specialized knowledge with respect to the SP operations.

3.4 Commonly Known or Reasonably Ascertainable Information

The ESA user and SP owner reported no knowledge of the property relative to environmental conditions past or present and no common knowledge of site environmental conditions or issues were identified as a function of this ESA.

3.5 Valuation Reduction for Environmental Issues

The ESA user considers the current property value to be a reasonable reflection of the property's fair market value given the current site uses, conditions and current economy.

3.6 Reason for Performing the Phase I ESA

The ESA user has indicated that their purpose for this Phase I ESA is to provide an assessment of site environmental conditions for proposed purchase and development of the SP.

4.0 SITE AND SURROUNDING AREA HISTORICAL REVIEW

4.1 Summary

The SP is identified as having been originally constructed in 1873 as the Stroebel Malt House Brewery. The facility was then purchased in 1905 by The William Barnet Company and became the William Barnet & Sons All Wool Shoddy Mill, which reclaimed wool scraps from textile mills and restored them into batched wool fabric for resale. In 1915, the original mostly wooden mill structure burned in a fire and was then re-constructed as a masonry and steel fireproof structure and remained as the Shoddy Mill until the 1960's when the company moved its operations to South Carolina. The mill facility was thereafter purchased by Hilton Management, LLC, and became The Hilton Center, leasing portions of the buildings to numerous tenants for a wide spectrum of commercial, industrial, and artist uses. Some of the known uses within portions of the facility have included tenant occupation by an architectural firm, a photography studio, automobile storage and repair, industrial manufacturing of wire products, studio space for musicians, storage space, and numerous other uses over decades of tenant rental.

The SP is located in a mixed use commercial/industrial area of the City of Rensselaer. The surrounding properties are mostly residential properties. Some commercial and industrial use properties are present to the south and vacant wooded land is present to the north. The City of Rensselaer property lies mostly to the east and south of the SP.

4.2 Title Search Information

A property/deed abstract was not performed under the scope of this Phase I ESA and title record information was not provided by the ESA user or the SP owner.

4.3 Sanborn Fire Insurance Maps

EDR Inc., owner of the historic Sanborn Fire Insurance Map collection, was contacted to provide Sanborn Fire Insurance Maps as part of this Phase I ESA. EDR provided site area mapping coverage for the SP from the years 1909, 1925, 1949 and 1967. A copy of the Sanborn mapping is provided in Appendix C. The following descriptions relative to the SP through these years are noted in Table 4.3, below.

Table 4.3: Summary of Sanborn Map information; Direction from SP indicated by (N) - North, etc.

Map Date	Subject Property	Adjoining Properties
1909	Barnet & Sons Shoddy Mill building is present but is a smaller single building at the current location of Buildings 5 and 6 and with a single central boiler. This building is known to have burned in 1915 and has been subsequently rebuilt with the current "fireproof buildings" that now make up the mill complex. An "asbestos covered carbonator" is noted in the south corner of the mill building	No Coverage (N); No Coverage (S); Wagon Paint and Repair Shop; Dwellings (E); Railroad tracks; City of Rensselaer Water Company filter plant and pumping station with coal shed (W)
1934	SP building complex is smaller than in 1949 with buildings 5 and 6 making up most of the manufacturing facility and "rag storage" buildings north of Building 6 and south of Building 5. Little additional detail is provided.	No Coverage (N); No Coverage (S); Auto Painting; Dwellings (E); Railroad tracks; City of Rensselaer Water Company filter plant and pumping station (W)
1949	SP building is similar to the description noted above for 1967, except that the Building 1 boiler house is not present, no power substation is indicated on the east side of the site and Building #9 is also not present at this time	No Coverage (N); No Coverage (S); Dwellings (E); Railroad tracks; City of Rensselaer Department of Water pumping station (W)
1967	SP buildings currently present on the property along with some additional buildings (#2 and #3 recently demolished) and some infill buildings around the larger buildings and some small storage out buildings. A power substation is identified to the east of Building 5 and south of Building 11 where a concrete surface enclosure is currently present. An underground "acid tank" is along the east side of Building 5 and an underground fuel tank is along the east side of Building 6. Building 1 is identified as a boiler house for the plant with a chimney along the northern side. A second boiler room and chimney are indicated at the south end of Building 6A 100,000-gallon "reservoir", is present along the south side of Building 5. The remainder of the buildings are labeled with various functions of the manufacturing stages for the Barnet & Sons Shoddy Mill, relating to storage and process of the textiles.	No Coverage (N); No Coverage (S); Dwellings (E); Railroad tracks; City of Rensselaer Department of Water pumping station (W)

4.4 Aerial Photographs

Aerial photographs for the SP and surrounding area for the years 1942, 1952, 1960, 1973, 1977, 1984, 1986, 1995, 2006, 2009, 2013 and 2017were available from EDR and were reviewed as part of this Phase I ESA.

Throughout this time period, the SP mill is present and there are subtle changes in building complexity as the years progress but at the scale and grainy resolution of the older photos, little detail was provided in the review. The city water pumping and filtering plant is present to the west of the SP throughout this timeframe. The Building #1 boiler house and Building #9 on the north end are not present in the 1942 and 1952 photos. In the 1977 photo, a tall chimney is evident along the north side of the Building #1 boiler house. Other than the use of the site for industrial purposes and the presence of the large mill complex on the property, no obvious environmental concerns were observed as a result of this aerial photograph review.

4.5 Historic Topographic Maps

Historic topographic maps for the SP and surrounding area for the years 1893 -2013 were available from EDR and were reviewed as part of this Phase I ESA. Details provided on the historic topographic maps identified the site as being within a densely developed area of the City of Rensselaer from the earliest 1893 mapping to the current mapping. Most prominent are the changes over time with automotive bridges present over the Hudson River in more recent years. The SP buildings are indicated on the mapping from 1925 until 1980 with no buildings shown on the 2013 mapping. It is known that the site buildings were present in the earlier years

but the detail of the mapping does not show them, only the adjacent railroad tracks and city streets. Between 1950 and 1980 there are round tanks noted on the adjoining property to the southwest of the SP, along the east shore of the Hudson River, these tanks would be downgradient of the southernmost end of the SP.

No details for the SP indicating potential environmental concerns were obvious on this mapping, based on the limited details of the mapping. Copies of historic topographic maps of the SP area are attached in Appendix E.

4.6 Municipal Records

4.6.1 City/Town/Village FOIL

A FOIL request for site-specific file information was provided to the City for information that may be available for the SP through the general FOIL request process. The City acknowledged receipt of the request but did not respond to this request within the timeframe of this assessment. The City also did not respond to a 2021 Phase I ESA information request.

4.6.2 County FOIL

A FOIL request for site-specific file information was provided to the County Clerk for information that may be available through the general FOIL request process. The County acknowledged receipt of the request but did not respond to this request within the timeframe of this assessment. The County responded to the 2021 Phase I ESA information request, "there are no files responsive to the request."

4.6.3 New York State Department of Environmental Conservation

Files were requested from the NYSDEC for several spill listings and two petroleum bulk storage (PBS) listings at the SP. Records requested for the 2021 spill at the SP and the 2021 PBS registration at the SP were not provided within the timeframe of this assessment. The relevant records for prior spills and the prior PBS listing, provided by NYS DEC, are located in Appendix H. Specific instances of these listings, including the 2021 spill and PBS listings, are described in more detail within the subsections of Section 5 of this report.

4.7 User, Owner, Operator and Occupant Interviews

The property ownership entity (Bath Springs Development LLC) representative (Mark Teliska), is also a partner in the potential purchaser ESA user entity, BBL Bartlett, LLC. Mr. Teliska served as the owner representative and user representative and provided access to the SP for the site inspection.

4.7.1 Site Assessment User

The ESA user representative, Mark Teliska, completed an interview questionnaire as part of this assessment. See section 4.7.2 for a summary of the responses provided.

4.7.2 Property Owner/Key Site Representative

A questionnaire was provided to SP Owner representative, Mark Teliska, Partner and/or Member of the SP owner entity, Bath Springs Development LLC and, and Partner and/or Member of the ESA user entity and potential purchaser, BBL Barnet LLC. He has personal knowledge of the SP since 2017. Mr. Teliska returned the completed questionnaire. He stated the following:

- Prior site use: 1990-1999 Jelliff Plastic Injection Molding; 2000-2013 Hilton Art Center, Industrial Park; 2013-2017 vacant; 2017-2023 vacant.
- Heating of buildings in the past included natural gas and fuel oil. Buildings are currently unheated.
- 20,000 gallon fuel oil tank south of building #1 (Removed 2021); Oil was visible in the excavation area during the removal.
- 1,000 gallon oil separator west of building #5; 500 gallon oil tank, south of building #4 (oil furnace in building, tank was not found outside)
- Heating oil, anti-freeze, motor oil, and paint handled at the SP.
- Asbestos abatement throughout the SP.
- Misc motor vehicle repair shops at the SP.
- Not aware of liens, potential litigation, engineering controls, activity or use restrictions for the SP.
- Not aware of prior environmental reports for the SP, with the exception of asbestos test reports, environmental site assessments, and PBS registration for tank(s) at site.
- Purpose of the Phase I ESA is for potential purchase of the property and risk management.
- Not aware of environmental spills, liens, cleanups, engineering/institutional controls.

4.7.3 Current Operators and/or Site Occupants

The current operator of the SP is the SP owner, see section 4.7.2. The site is currently vacant and no occupants/tenants were observed at the site or identified by the SP owner.

4.7.4 Past Owners, Occupants, and Operators

ASTM E1527 states that interviews should be conducted with past owners, operators, and occupants who are likely to have material information regarding the potential for contamination at the property to the extent that 1) they have been identified and 2) the information likely to be obtained is not duplicative of information already obtained from other sources.

Other past owners, occupants, and operators were not available for interview.

4.8 City Directory Search

City directories were reviewed as part of this assessment for the following years: 1963-2017. A summary of city directory information provided by EDR, is in table 4.8, below.

Table 4.8: Summary of City Directory information

Directory Date	Subject Property	Adjoining Properties
1968	Barnet & Son Mfr reworked wool	NL (N): residential (S): NL (E); Rensselaer City Water Works (W)
1968	Barnet & Son Mfr Woolen Goods	NL (N): residential (S): NL (E); Rensselaer City Water Works (W)
1973	Barnet & Son Mfr Woolen Goods	NL (N): residential (S): NL (E); Rensselaer City Water Works, Hudson River pump house(W)
1978	Ket Products (Plastic mfg)	NL (N): residential (S): NL (E); NL (W)
1983	Ket Products (Plastic mfg); Jelliff Corp (fabricators steel)	NL (N): residential (S): NL (E); NL (W)
1988	Ket Products (Plastic mfg); Jelliff Corp (fabricators steel); both listed as 5 Forbes	NL (N): residential (S): NL (E); NL (W)
1995	Ket Products (Plastic mfg); K&K Automotive; both listed as 5 Forbes	NL (N): residential (S): NL (E); NL (W)
2000	Not listed	NL (N): residential (S): NL (E); NL (W)
2005	Pro Manufacturing Co. Inc.	NL (N): residential (S): NL (E); NL (W)
2010	Castle Photography, Pro Manufacturing Co., Inc.	NL (N): residential (S): NL (E); NL (W)
2014	Hilton Center , Wallant Architects, Frank Smith Signs	NL (N): residential (S): NL (E); NL (W)
2017	Hilton Center, Wallant Architects	NL (N): residential (S): NL (E); NL (W)

NL - Not Listed
Individual names are assumed to be residential tenants and have been left out of this table or listed as residential.

4.9 Prior Environmental Investigation

4.9.1 Asbestos Testing Reports

A series of Asbestos Renovation Survey Inspection reports were completed in October of 2020 by Spectrum Environmental Associates, Inc. for Bath Springs Development LLC. These reports were provided by the report user for review by Alpine.

4.9.2 Preliminary Site and Building Assessment

A “Preliminary Site and Building Assessment" (three-page report) was completed by CHA Consulting Services in April of 2013 for The Rensselaer Planning & Development Agency. This report described very general environmental conditions at the SP and was provided to Alpine for review.

4.9.3 Phase I and Phase II Environmental Site Assessment Reports

A Phase I ESA was performed by Alpine Environmental Services, Inc. for the SP in July 2021. Information contained in the July 2021 Phase I ESA report has been incorporated into this Phase I ESA report. The July 2021 Phase I ESA report is not included in the Appendices due to the file size, it is available upon request. A Phase II ESA was performed at the SP by Alpine Environmental Services, Inc. with the issuance of an October 2021 report. The ESA user retained Labella Engineering to perform additional Phase II ESA testing at the SP, placing results on Alpine issued Phase II ESA result site plans, which have been incorporated into the Brownfield Program application (dated October 13, 2022), prepared by Labella and reportedly submitted to the NYS DEC for review.

The July 2021 Alpine Phase I ESA identified the following recognized environmental conditions (RECs) in connection with the Subject Property:

> *"1. The facility was originally constructed as a brewery but was then converted to a textile mill called William Barnet & Sons All Wool Shoddy Mill. This industrial use occurred from 1905 into the 1960’s. The industrial use of the mill with extensive industrial equipment that had to be maintained throughout this timeframe required lubricating chemicals, solvents and other types of chemicals that had to be stored, used and disposed of. No accounting for how these materials were used, stored and disposed is known. It is presumed that spills or spills from storage or disposal could have occurred over this sixty years of industrial operations. Some testing of site soil and groundwater will be necessary to determine if adverse impacts to the subsurface have occurred.*
>
> *2. Use of the facility by The Hilton Center for decades renting to industrial and commercial tenants has included manufacturing, automotive repair and possible*

salvaging and other commercial and industrial uses that have stored and used large quantities of petroleum and other chemicals. Spills including discharge of oil to the ground, storage of large quantities of drummed chemicals and leaks in the storage areas have occurred and were documented by the City of Rensselaer and the New York State Department of Environmental Conservation in the 1980's and 1990's. Additional storage of chemicals in areas used to store vehicles, service and repair vehicles has also occurred during the Hilton Center timeframe and these areas are not documented. Extensive soil and ground water sampling across the SP will be necessary to determine if the documented spills and other spills that may have occurred and not been documented, have degraded site soil and groundwater quality to the extent that current regulatory cleanup standards may be exceeded in the site subsurface.

3. Land filling has reportedly occurred in the northern end of the SP. CHA reported as a result of a 2013 site inspection, that an apparent dumping area for various debris was noted in the northern site area. A significant amount of construction and demolition type debris was noted in this area. CHA noted that based on appearances in this area in conjunction with past documented actions of the property owner (at that time), including the attempted burial of PCB-contaminated electrical transformers, "there is reason to suspect the dumping or burial of potentially hazardous waste materials in this area". CHA recommended that test pits should be completed in this area to evaluate subsurface conditions and the potential presence of buried debris. Alpine agrees with this recommendation to address this REC.

4. Multiple petroleum and chemical storage tanks have existed on the SP. Three tanks were registered with the DEC, two were reportedly closed, the third, a 550 gallon underground fuel oil tank remains listed on the registration as "Active". The location of this tanks is not clearly identified in the PBS records obtained from the DEC. Other tanks referenced documents reviewed (i.e. spill reports, Sanborn maps, etc.) were not registered with the DEC. It is possible that any of these tanks may have leaked or that spills from filling the tanks could have occurred and contaminated site soil and groundwater quality. Any tanks still present must be properly registered and closed through the NYSDEC Petroleum Bulk Storage Program.

5. A vent that may be a petroleum storage tank vent is present along the south side of Building #1. The site owner did not know the purpose of this vent. This vent should be investigated to determine if a storage tank is still present in this area of the SP. If present, this tank will have to be investigated and properly closed in accordance with NYSDEC storage tank closure regulations.

6. According to historic mapping, a 100,000-gallon storage tank is present at or near the south end of building 5 and "large vaults" were reported by NYSDEC to exist beneath

portions of the mill buildings. These tanks could contain chemicals or chemical residue from manufacturing operations or petroleum or chemicals that may have leaked beneath the building floors from storage or use of these liquids within the buildings. Additionally, it is presumed that all floor drains observed within the mill buildings are likely to discharge to the stormwater system and ultimately to the river. Stormwater basins and other storm and floor drain structures may contain contaminants and would have to be inspected and sediments and liquids in them sampled to determine if contaminants remain within this system.

7. An electrical power substation is present along the west side of the SP, to the east of Building 5. Multiple PCB oil containing transformers are likely to have been present within this substation. If transformers within the substation leaked to the ground, PCB and petroleum contaminated soil may exist within or adjacent to the substation area. If contaminants are present, and if the levels are above regulatory cleanup standards, remedial actions may be necessary to achieve regulatory compliance.

8. Given the spills that have been documented on the SP by NYSDEC, including the uses and storage of drummed chemicals in the site buildings and evidence of spills from drummed chemicals, vapor intrusion from chemicals that may have leaked or spilled beneath the site buildings is possible. Vapor sampling should be completed beneath the lowest level building area floor slabs to determine if vapor mitigation will be necessary for re-use of any of the site buildings."

A Phase II ESA was performed by Alpine in October 2021 to further assess these REC's. This Phase II ESA scope of services included the following:

- Scanning with ground penetrating radar (GPR) in proposed drilling areas and in areas where ESA information indicated underground tanks may still be present;
- Vapor intrusion testing;
- Soil and groundwater subsurface assessment;
- Test pit sampling in a suspected landfill area;
- Stormwater system quality screening evaluation;

The Phase II ESA report (Oct 2021) concluded the following:

"Soil Vapor Intrusion Investigation

The Soil Vapor Intrusion (SVI) investigation was performed to determine if concerns identified during the prior environmental assessment at the SP have adversely impacted soil vapor quality beneath the SP, and if those impacts are likely to impact the indoor air of SP building tenant

spaces, and to determine if mitigation to reduce VOC's from entering the building from the soil vapor intrusion may be necessary.

NYSDOH Regulatory Guidelines

At the time of this assessment, the site buildings were not heated and the buildings were substantially damaged with many windows broken and large air gaps in walls and doors, allowing outside air to flow through building areas. As a result of the building condition, Alpine determined that indoor air sampling could not be performed in a way that would allow for a valid comparison to the New York State Department of Health (NYSDOH) vapor intrusion study regulatory guidelines. In an effort to make some determination relative to the threat of vapor intrusion into future restored building areas, Alpine did perform sub-slab soil gas sampling in representative lower-level building areas. Since indoor air samples were not collected, comparison to NYSDOH decision matrices for the eight listed VOCs could not be performed. Alternatively, soil gas results were compared to US EPA Vapor Intrusion Screening Levels for sub slab and near slab soil gas for residential use.

EPA Vapor Intrusion Screening Levels (VISL)

Multiple VOC compounds were detected in the sub-slab soil gas samples, with most of the detected VOCs occurring below the target screening level. The following chemicals were present in sub-slab soil gas, in excess of the EPA VISL target concentrations for soil gas.

Building 1: No VOCs were detected above the target screening levels in the sub-slab soil gas in this building.
Building 4: Chloroform was detected at concentrations above both the residential and commercial target screening levels. Ethlybenzene was detected above the residential target screening level. This was the only building area where a commercial screening level was also exceeded.
Building 5: Ethlybenzene was detected above the residential target screening level.
Building 6: Ethlybenzene was detected above the residential target screening level.
Building 7: Shallow groundwater immediately beneath the building slab prevented collection of soil gas samples.
Building 8: Shallow groundwater immediately beneath the building slab prevented collection of valid soil gas samples.
Building 9: Benzene, ethylbenzene and carbon tetrachloride were detected above the residential target screening level.
Building 10: Benzene, 1,3-butadiene, ethylbenzene and p/m xylene were detected above the residential target screening level.
Building 11: Benzene, ethylbenzene and p/m xylene were detected above the residential target screening level.

Sub slab soil gas test results from Building 1 suggest residential use indoor air screening levels will not be exceeded in the building. Sub slab soil gas test results from Building 4, 5, 6, 9, 10, and 11 suggest vapor intrusion is likely to occur. Vapor mitigation in these buildings is likely necessary, dependent on building usage (except Building 4). An engineered sub-slab depressurization system could be designed and installed during the building renovation process to ensure that vapor intrusion is minimized in each of the buildings with soil gas exceedances of the target screening levels.

Buildings 7 and 8 should be assumed to exceed the target screening level for VOCs in soil gas and treated accordingly when renovations occur. Additional considerations for shallow groundwater should be considered when planning renovations and vapor mitigation for these buildings as sub slab depressurization, the most common vapor mitigation technique, is incompatible with a near slab water table. Should the groundwater below these floor slabs be lowered, testing may be an option to further evaluate the potential for vapor intrusion in these two buildings.

Soil and Groundwater Quality Investigation

Analysis of some site soil samples indicated the presence of volatile organic compounds and semi-volatile organic compounds, most petroleum in nature, in multiple locations on the SP.

The following impacts to soil and groundwater quality are discussed by the area of the SP where the impacts were identified:

Building 1 Area: *A #6 heating oil storage tank was identified along the southwest side of Building 1 (Figure 3). Oily contamination which appeared to be #6-heating fuel oil was observed in test borings and in monitoring wells MW-1 and MW-2 along the western or downgradient side of this tank as well as test boring/monitoring well MW-20, at the northeastern corner of this building. Free phase oil was observed in borings B-1 and B-2 and in excavations when this tank was removed. This condition was reported to the New York State Department of Environmental Conservation (NYSDEC) at the time of discovery and was assigned NYSDEC petroleum spill ID #2104385. The NYSDEC was present during the tank removal and indicated that the presence of free phase product (free oil in the soil and floating on the groundwater) is a condition that will require remedial action to, at the very least, remove the presence of the free phase product from the spill area. Additional exploration will be necessary in this area of the site to determine the size of the impacted area, and determine the extent of remedial actions, including the recovery of free phase oil from the ground, that will be necessary to meet NYSDEC cleanup objectives and close this spill.*

Fill Area North End of SP: *A series of test pits were excavated in the northern end of the SP where fill was reportedly placed on the SP during historic site ownership. Soil was screened in these test pits and samples were submitted to a testing laboratory from test pits where*

evidence of petroleum or chemical impacts appeared evident through field screening. Soil samples were submitted from test pits TP-1, TP-9 and TP-11. No contaminants exceeding NYSDEC soil cleanup standards were identified in the soil sample analyzed from test pit TP-9. Test pits TP-1 and TP-11 are adjacent in this area and both were found to be impacted by odorous and oily contaminated soil conditions, generally below six feet of depth. Laboratory analysis of soil samples identified the presence of volatile organic compounds in this test pit area above cleanup standards for acetone, MEK and Toluene, PCBs, and heavy metals (barium, cadmium, chromium, and lead). Groundwater monitoring well MW-11 was placed in the vicinity of test pit TP-1 and the water sample was found to exceed NYSDEC groundwater quality standards for Bis-(2-ethylhexyl)Phthalate, a semi-volatile organic compound. It appears that contaminated soil, or some source of waste that has contaminated the soil in this area, was buried in this portion of the fill area and has contaminated the deep soils to levels that are likely to require mitigation measures. This condition is also a reportable spill and must be reported to NYSDEC as a spill separate from the underground storage tank spill on the south end of the site. Additional sampling will be necessary to fully delineate the depth and aerial extent of this contamination and determine how the waste can be properly remediated. It is likely that the impacted materials will have to be excavated, characterized for disposal, and transported to a licensed waste disposal facility. If some source of leaking contaminant is discovered (examples are buried waste drums or transformers etc.), the source or sources must be identified and similarly contained and disposed.

Test Boring B-8 Area: *Soil boring B-8 and Monitoring well MW-8 were placed along the west side of Buildings 6 and 7. Soil from this boring had oily staining and elevated PID readings, demonstrating concerns for the presence of volatile and semi-volatile organic petroleum or other similar contaminants. The sample was analyzed and concentrations of acetone, chrysene and arsenic were all found to exist in the soil at concentrations above the NYSDEC cleanup standards for these contaminants. Other petroleum related semi-volatile petroleum compounds were also present at concentrations just below the cleanup standard, indicating the presence of some type of oily petroleum in the soil. This condition demonstrated a third area of the SP where a petroleum spill may have to be reported and investigated to determine if cleanup actions are necessary. Further investigation in this area will be necessary to determine the extent of this impact. If the extent of this impact is found to be more widespread, or soils with contaminants higher in concentration are discovered, a spill cleanup including excavation and disposal of contaminated soil may be required to meet NYSDEC spill cleanup standards.*

Test Boring B-4 Area: *Soil boring B-4 and monitoring well MW-4, and Boring B-19 and monitoring well MW-19, were installed in the area west and south of Building 4. A chlorinated volatile organic compound known as 1,1,1-trichloroethane (1,1,1-TCA) was detected in both of these wells. The groundwater quality standard for this compound is 5 parts per billion (ppb) and the standard was exceeded at 32 PPB in MW-4, and was present, but below the standard at 0.71 ppb in MW-19. Further investigation of groundwater quality in this area will be necessary*

to determine if there is an on-site source of this impact, or if the impact may be migrating onto the site from some up gradient off-site source. If an on-site source is found to be represent, some cleanup action may be necessary under NYSDEC regulatory oversight.

Historic Substation:

Sample analysis results for two soil samples collected from 0-1 foot of depth within the former electrical substation concrete enclosure did not indicate the presence of volatile organic compound or PCB contamination above current standards.

Storm Water System:

Soil sample analysis results indicate the presence of VOC's and SVOC compounds in storm drain sediments. Exceedances of some SVOC compounds were identified in the storm drain sediments. Low concentrations of PCB's and heavy metals, below cleanup standards, were also present in these sediment samples. There was no visual or odorous evidence of contamination in these sediments.

Stormwater in the large holding tank was free of target VOC and SVOC contaminants. Levels of VOC contamination, substantially below groundwater quality standards, were detected in the DR-1 storm drain. None of these impacts suggest that the storm drain system is an ongoing source of site soil or groundwater contamination. Maintenance of these drains including removal and disposal of accumulated sediments, would serve to remove these remnant contaminants from the SP.

All floor drains in site buildings should be cleaned of any residual waste that may be present in the drains and drain piping, and all drains must be either re-routed to appropriate and approved discharge locations (i.e. municipal sanitary sewer system) or abandoned by filling with concrete.

General Site Conditions:

This investigation was performed to assess specific areas of the SP where Recognized Environmental Conditions (RECs) were identified during the Phase I ESA, as well as to perform an overall screening of representative site areas to determine if there was evidence of typical commercial and industrial petroleum and chemical contaminants. The assessment identified contaminant impacts in multiple areas as noted in these conclusions. Further assessment would be necessary to fully delineate the impacts in the areas identified. Because of the large scale and complexity of the property, and because of the extensive industrial history of use, there is some potential for localized impacts to areas between sampling points. If contaminated soil, groundwater, or subsurface tanks or structures impacted with contaminants are encountered during construction activities, it may be necessary to perform further focused assessments in these areas and to address localized conditions not meeting regulatory program requirements.

*The two underground storage tanks identified, and the spill associated with the 20,000-gallon 6-oil tank must be properly registered and fully closed through the NYSDEC petroleum bulk storage program and the spill must be addressed and mitigated to the satisfaction of NYSDEC. This process has been initiated with the removal and initial registration of both tanks by the site owner, and remedial actions for the spill have been initiated at this time. This process is ongoing at the time of this report *."*

* This spill remains open, requiring additional remedial activity and no closure report has been issued as of the date of this report.

4.9.4 Brownfield Program Application (Labella; 10/13/2022)

A Brownfield Program application was provided by the ESA user, attached in Appendix I.

4.9.5 Supplemental Phase II Environmental Site Assessment Report (Labella; July 2022)

Labella performed a Supplemental Phase II ESA at the SP in July of 2022 and indicated supplemental sampling results on Alpine's Phase II ESA (Oct 2021) figures, which were then included in the current pending Brownfield application. The Supplemental Phase II ESA report was provided to Alpine to review and is included in Appendix I. The results of include testing for emerging contaminants, per- and poly-fluoroalkyl substances (PFAs). PFAs were detected in two of the three groundwater samples collected, results were below the NYS DEC Interim Guidance Values.

5.0 ENVIRONMENTAL REGULATORY AGENCY RECORD REVIEW

The environmental regulatory agency record review consisted of database searches of ASTM standard sources (Section 5.1) as well as supplemental databases and interviews with regulatory agency personnel when appropriate. A copy of the database search conducted by EDR for Alpine is provided in Appendix B. For sites whose locations could not be mapped by EDR (i.e., "orphan sites"), Alpine attempted to locate these sites through the use of maps, site reconnaissance or other means; as appropriate, these sites are included in their respective regulatory agency record section. Conflicting or supplemental information obtained during the site reconnaissance or from interviews or other sources is discussed when/if appropriate below.

5.1 Standard ASTM Environmental Record Sources

The United States Environmental Protection Agency (USEPA) and New York State Department of Environmental Conservation (NYSDEC) regulatory agency record sources listed below and their corresponding search distances were reviewed per ASTM E 1527-21. Results of the review are summarized below and additional information, where sites were identified, is provided in Appendix B of this report.

5.1.1 Federal

Federal NPL Site List (1.0 mile radius)

A review of the United States Environmental Protection Agency (USEPA) National Priorities List (NPL) for Region II has shown that the SP is not present on this list. The NPL list indicates that one NPL site is present within a one-mile radius of the SP. The Hudson River PCB's Site is located 100-200 feet west of the SP, separated by a railroad and city owned park along the Hudson River. The Hudson River PCB Site extends from Troy, NY to The Battery in Manhattan and is contaminated in some areas with PCBs. This portion of the Hudson River is hydraulically and topographically separated from the SP and so is not expected to or known to have impacted soil or shallow groundwater quality at the SP.

Federal Delisted NPL Site List (0.5 mile radius)

A review of the United States Environmental Protection Agency (USEPA) National Priorities List (NPL) for Region II has shown that the SP is not present on this list. The NPL list indicates that no Federal Delisted NPL sites are located within a one-mile radius of the SP.

Federal CERCLA List (0.5 mile radius)

A review of the USEPA Comprehensive Environmental Response Compensation Act (CERCLA) list has shown that the SP is not present on this list. The CERCLA list indicates that one CERCLA site is present within a one-half mile radius of the SP. The Hudson River PCB's Site is located 100-200 feet west of the SP, separated by a railroad and city owned park along the Hudson River. The Hudson River PCB Site extends from Troy, NY to The Battery in Manhattan and is contaminated in some areas with PCBs. This portion of the Hudson River is hydraulically and topographically separated from the SP and is not expected to have, or known to have, impacted soil or shallow groundwater quality at the SP.

Federal CERCLIS NFRAP List (0.5 mile radius)

A review of the USEPA Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) NFRAP (No further remedial action planned) list has shown that the SP is not present on the list, and that no NFRAP CERCLIS listed sites are located within 0.5 miles of the SP.

Federal RCRA CORRACTS Facilities List (1.0 mile radius)

A listing of RCRA facilities under corrective action (CORRACTS) was reviewed and indicates that the SP is not a CORRACTS site and that one CORRACTS site is listed as being present within 1.0 mile of the SP. The National Grid North Albany Site is listed as being at 1125 Broadway and is identified as 0.78 miles north/northwest of the SP. This site is in Albany and is separated from the SP, both hydraulically and topographically by the Hudson River. As such, no impacts to the SP from this property are expected.

Federal RCRA TSD Facilities Lists (0.5 mile radius)

The USEPA Federal RCRA TSD Facilities Lists was reviewed and indicates that the SP is not a RCRA TSD site and that there no RCRA TSD sites listed as being present within 0.5 miles of the SP.

Federal RCRA Generators Lists (Subject Property and adjoining properties)

The USEPA Resource Conservation and Recovery Act (RCRA) Hazardous Waste Generators list was reviewed and the SP is listed as a RCRA Small Quantity Generator (SQG). The SP is identified as having generated the following wastes as an SQG, producing less than 1,000 Kilograms per month:

THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE

No RCRA Generators were listed as being present on adjoining properties.

Federal Institutional Control/Engineering Control Registry (Subject Property only)

The Federal Institutional Control/Engineering Control (IC/EC) Registry list was reviewed and the SP was not identified as an IC/EC site.

Federal ERNS List (Subject Property only)

The Federal Emergency Response Notification System list was reviewed and the SP was not listed.

5.1.2 State

State or Tribal Hazardous Waste Site List (1.0 Mile Radius)

The SP was not identified as a New York State Department of Environmental Conservation (NYSDEC) State or Tribal Hazardous Waste Disposal Sites (SHWS). There are two NYS Inactive Hazardous Waste Disposal Sites listed as existing within the one mile search radius. The two sites are identified as:

C&F Plating, located at 406 North Pearl Street and is identified as being 0.67 miles west/northwest of the Sp.

The National Grid Site is located at 1125 Broadway in North Albany and is identified as being located 0.78 miles north/northwest of the SP.

Based on the descriptions of these sites, separating distances and status, both sites are separated from the SP by the Hudson River and are not expected to impact soil or groundwater quality at the SP.

State or Tribal Landfill or Solid Waste Sites (0.5 Mile Radius)

The SP was not identified as a New York State DEC or Tribal Landfill or Solid Waste Site. One NYS DEC listed Solid Waste Site was identified as being present within 0.5 miles of the SP. This property is identified as being within 0.46 miles to the west of the SP and across the Hudson River from the SP. Due to the separating distance and separation by the Hudson River, this solid waste property is not expected to affect soil or groundwater quality at the SP.

State or Tribal Leaking Underground Storage Tanks (LTANK) (0.5 Mile Radius)

The NYSDECs Spills Information database was reviewed to obtain information on Leaking Underground Storage Tank (LTANK) events. LTANK events are a subset of events contained in the spills database where the release originated from an underground storage tank. The SP is not listed as an LTANK site.

This review indicates that three LTANK sites are listed as being located within 0.5 miles of the SP. All three are approximately ½-mile west of the site, in Albany and separated from the SP by the Hudson River. All of these spills have been closed by NYSDEC and based on separating distances and topography, none are likely to affect site soil or groundwater quality.

State or Tribal Spills (Emergency Release) List (0.125 mile radius)

The SP has been identified on the NYS DEC spills database as a spill site, with five spills listed for the SP. Each is summarized below:

Spill number 8806485: Reported on 11/3/1988 for Jelliff at 5 Forbes Avenue, however, records obtained appear to show Jelliff Corporation operated on the SP. The spill comments indicate *"THERE EXISTS AN OLD 10K TANK ONSITE. IT WAS USED TO HOLD COTTONSEED OIL, AND ERRONEOUSLY ID'D AS A PBS TANK. NO OIL HAS EXITED THROUGH THEIR SPDES DISCHARGE POINT FOR FIVE OR MORE YEARS. PBS TANKS REMOVED." Remarks: "HYDRAULIC OIL ENTERING HUDSON R. MCDONALD SPOT CHECKED, FOUND OIL IN STORM SEWER NEXT TO JELLIFF CORP.(KET). DOMERMUTH CONTRACTOR".* The spill was closed 10/20/1995.

Spill number 99-01711: Reported on 5/10/1999. The spill comments indicate caller states that unknown persons are cutting up cars and letting waste oil from the cars drain on the ground and not cleaning it up. The area of the spill was described as being near the north end of the site buildings on the railroad side.

Spill number 0804418: was registered by NYSDEC for the SP identified as Hilton Industrial Park. The spill occurred on 7/17/2008 and resulted from the City of Rensselaer reporting to NYSDEC that asbestos was present in the building and was being disposed of improperly,

Spill number 1300591: Numerous drums were reported present in the SP building and were being labeled and disposed of by the owner. "Large area on the north end of the building appears to be a dump site where debris has been buried... underground tank is present on the south end of the building." DEC investigated and found 2-inches of fuel oil in the tank, large vaults are reportedly present under the building and appear to be designed for water flow under the building and discharge to the Hudson River. The investigation could not determine if floor drains through the building are tied to the vaults or where they discharge. "Building is coated with what might be asbestos and is flaking off the building and piling upon the floors. City code enforcement also identified a second underground tank (location not specified) and a

waste oil tank and “burner” on the property." NYSDEC identified the site as having no registered tanks. This spill was closed on 6/14/2016 not meeting standards.

Spill number 2104385: The July 2021 Phase I ESA identified a potential tank south of SP building #1. The October 2021 Phase II ESA GPR scanning found a large sub surface anomaly at the location consistent with an underground tank. On August 31, 2021 and September 1, 2021, Bath Springs Development excavated and removed the tank, an estimated 20,000-gallon #6 fuel oil tank, and discovered the tank had leaked, prompting the spill reporting to the NYS DEC. The contamination was still found greater than 30 ft below grade, beyond standard equipment excavation reach, given the limitations on expanding the sides of the excavation due to building foundation, roads, railroad tracks, and utilities. The spill remains open, and was included in the active Brownfield Program application submitted to the NYS DEC, for potential further remediation under that program.

Three spill sites were located off-site, within 0.125 miles of the SP. The sites have all been closed by NYSDEC. One spill was reported for the SP but is described as off-site disposal of asbestos waste. A second spill is described as being within the Hudson River PCB site and a third spill at a nearby residential property was described as 2-gallons of fuel oil that spilled out of a heating oil tank vent.

Based on the regulatory status of these spills of all being closed by the NYSDEC, database documentation for these spills, the distance to the SP, elevations of the spill sites, and/or the SP being served by public water supply, it is unlikely the spill sites identified in the vicinity of the SP would significantly impact soil or groundwater quality conditions on the SP.

Copies of SP spill reports are included in Appendix G of this report. Copies of spill reports for other nearby properties are also included in this appendix.

State or Tribal Registered Storage Tanks (property and adjoining)

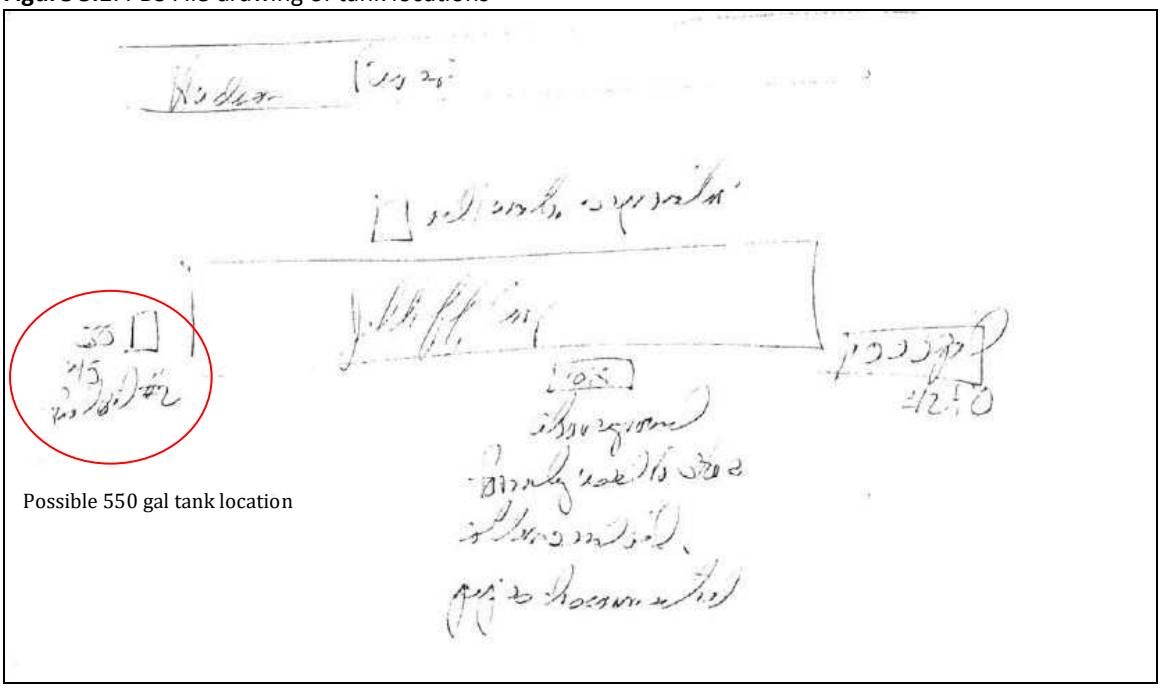
The SP has been identified as a New York State Department of Environmental Conservation (NYSDEC) registered petroleum bulk storage (PBS) facility.

PBS number 4-443514: The PBS files is listed for Jelliff Corporation at 5 Forbes Avenue, however, records obtained appear to show Jelliff Corporation operated from the SP. The PBS file was obtained from the DEC and shows three total tanks registrations, a 10,000 gallon, a 1,000 gallon, and a 550 gallon. The 10,000 gallon was removed from the registration due to the contents reported as cottonseed oil, not petroleum, and the 1,000 gallon fuel oil tank was reported closed/removed on the registration in September 1993. The 550 gallon underground fuel oil tank currently remains listed on the registration as active. The only drawing (sketch) in

the provided PBS file appears to show the 550 gallon tank south of one of the site building (likely SP building #4), although, the drawing is not well labeled and is of poor resolution. A copy of the drawing is presented in Figure 5.1 below. There is a fuel oil heater inside SP building 4 near where the tank is indicated. A Phase II ESA (Alpine; 10/2021) in the area south of SP building #4 included GPR scanning and subsurface soil and groundwater sampling. No tank like anomalies were found through the GPR scan and no volatile or semi volatile organic compounds in samples collected that exceeded standards.

Historic documents indicate that a large petroleum storage tank was present on the SP and was removed from the SP, and some smaller above ground storage tanks were present in Building 10 and were removed at some point. A historic Sanborn Fire Insurance Company map of the SP indicated the presence of a large underground fuel oil tank and acid tank along the east side of Buildings 6 and 5 and a large 100,000-gallon tank apparently used to store water, along the south side of Building 5. The dates of removal of these tanks and closure activities were not identified during the course of this investigation, although records provided by NYSDEC through a FOIL request indicate work performed by Domermuth Environmental Services in 1989 for the removal of one 1,000-gallon storage tank, but it was not clear in the documents, where on the SP it was removed from.

Figure 5.1: PBS File drawing of tank locations



PBS number 4-601736: The PBS files is listed for the SP under Bath Springs Development, 20 Forbes Avenue. The registration was filed following the discovery of one 20,000 gallon fuel oil tank south of SP building #1 and a 1,000 gallon tank (referred to as an oil/water separator tank), which was removed at the same time as the 20,000 gallon fuel oil tank. During the removal of the 20,000-gallon fuel oil tank, it was discovered to have been leaking. See Spill number

2104385 description under the State or Tribal Spills List above. The tank registration with the NYS DEC continues to show these two tanks as "in service".

Adjoining properties were not identified in the EDR database report as being petroleum or chemical bulk storage facilities.

State or Tribal Institutional Control/Engineering Control Registry (Property only)

The SP was not identified on the state or tribal institutional control/engineering control registry.

State or Tribal Brownfields and Voluntary Cleanup Program Sites (0.5 Mile Radius)

The SP was not identified on the NYSDEC or Tribal ERP or Brownfields site database. No ERP or Brownfield sites are listed as being present within 0.5 miles of the SP. A Brownfield Program application was reportedly submitted to the NYS DEC for the SP, however, a response has not been received from the NYS DEC as to whether the SP has been accepted into the program.

Five USEPA and NYS Brownfield Cleanup sites are listed as present within 0.5 miles of the SP. These properties are substantially separated from the SP and none are expected to affect soil or groundwater quality on the SP.

6.0 SITE VISIT

6.1 Conditions of Visit

6.1.1 Site Contact(s)

SP user representative, Mark Teliska, an owner representative of the SP, provided access to the SP for this ESA.

6.1.2 Date of Visit

Kim Baines performed a site visit on February 2, 2023. At the time of the site visit, skies were mostly cloudy with an ambient air temperature of approximately 32ºF, with winds less than 5 mph.

6.1.3 Areas Observed

The SP was walked/traversed through site buildings and around the perimeter of accessible site building areas. Adjacent properties were observed from the SP and from public streets.

6.2 Chemical and Petroleum Substances

6.2.1 Petroleum and Chemical Bulk Storage

No petroleum or chemical bulk storage was directly observed at the SP. Petroleum storage tanks identified during the July, 2021 Alpine Phase I ESA had been removed/closed by the site owners. Those tanks included a 20,000-gallon 6-fuel UST south of building #1 and a 1,000-gallon underground oil/water separator tank west of Building #5. No current evidence of bulk storage tanks was observed on the SP during the site visit.

6.2.2 Raw Product Drums and Containers

No raw product drums or containers were observed on the SP during the Alpine inspection.

6.3 Site Waste Profile

6.3.1 Solid Wastes

No deposition of solid wastes or waste containers were noted on the SP at the time of the site visit.

Historic materials dumping/land filling was noted on the northern end of the property during the July 2021 Phase I ESA and further explored during the October 2021 Phase 2 ESA and is

described in those reports. Subsurface contamination is known to be present in that area of the SP.

6.3.2 Sludges

No sludge material/waste was observed on the SP at the time of the site visit.

6.3.3 Liquids

No obvious waste liquids were observed on the SP at the time of the site visit.

6.3.4 Waste Drums and Containers

Three 55-gallon drums were observed inside the western side of Building #9. All three had the appearance of possible used/waste motor oil storage drums, based on oily staining on the tops and sides of the drums and based on the fact that this area had previously been used to store and apparently work on multiple motor vehicles. The drums had oily residue on the tops and sides, but none of were observed to be leaking at the time of the site inspection.

All vehicles except one pickup truck had been removed at this time. One skid steer loader was also present in this area, apparently having been used to clean the building.

6.3.5 Wastewater Discharges

No current evidence of wastewater related leaks, spills or other discharges were identified on the SP. Extensive historic waste water and waste petroleum discharges were identified at the SP as discussed in the July, 2021 Phase I ESA report.

6.3.6 Pits, Ponds or Lagoons

No pits, ponds, or lagoons associated with waste treatment or disposal were identified on the SP.

6.4 Site Drainage

6.4.1 Catch Basins

A number of stormwater management catch basin drainage structures are present along the west side of the SP building and one basin near the northwest corner of SP building #10. Stormwater discharged from the SP reportedly discharges beneath the railroad tracks to the west of the site buildings, where two stormwater discharge pipes discharge into the Hudson River, to the west, beneath the boat launch currently present at that location. Other surface drains and possible building drains are also believed to discharge from locations throughout the facility and into this storm drainage system.

Past reporting documents indicate that a company called Jelliff Corporation discharged used oil to an oil-water separator and into the SP stormwater system and was repeatedly cited by NYSDEC for failure to adequately separate the oil from this stormwater discharge system. This separator was registered with the NYSDEC and removed from the SP prior to the October, 2021 Phase 2 ESA reporting.

6.4.2 Building Floor Drains

Floor drains of various types including trench style drains and holes in floor slabs were observed in all of the mill buildings. It is presumed that all floor drains observed within the mill buildings are likely to discharge to the stormwater system and ultimately to the river. Stormwater basins and other storm and floor drain structures may contain contaminants and these drainage systems would have to be inspected and sediments and liquids in them sampled to determine if contaminants remain within this system.

6.4.3 Dry Wells and Sumps

No drywells were identified during the site visit. Various types of sumps used for historic heating systems or machinery may be present as depressions in the building concrete floor systems in Buildings #4 and #5. With all of these systems and historic machinery having been removed, it was not possible to determine how these depressed floor areas may have been used. No obvious existing/active sumps were identified.

6.5 PCB-Containing Equipment

No oil-filled transformers labeled as PCB containing or other obvious PCB containing equipment was observed on the SP at the time of the site inspection. Historic documents indicate that PCB oil filled transformers historically existed on the SP and a concrete substation enclosure is present in the area east of Building 5 and south of Building 11. When the transformers were removed and how they were disposed is unknown. Sampling during the 2021 Phase 2 ESA identified PCB contaminated soil in the land filled area at the north end of the SP property.

6.6 Asbestos-Containing Material

An asbestos containing materials survey was conducted by Spectrum Environmental Associates, Inc. for the property owners (Bath Springs Development LLC), in October of 2020. Multiple reports collectively including the various SP buildings were issued by Spectrum for this survey and were provided to Alpine to review. Asbestos was present extensively throughout the SP buildings and the site owner reported that ongoing abatement activities by them and sub contracted abatement people have served to remove a large portion of the asbestos that was identified in the survey reports. Alpine has not determined the extent of the abatement or any other aspects of the abatement process as a function of this Phase I ESA.

6.7 Lead-Based Paint

A lead based paint survey was not conducted by Alpine for this Phase I ESA. Based on the age of construction (Circa 1915), and subsequent building construction, renovations and maintenance, lead paint is likely to be present on/in the SP buildings.

6.8 Radon

Based on the USEPA Radon Screening results for the SP area, the SP is in a Zone 1 Area where 65% of the property basements screened were less than 4 Pico curies / Liter of air (pCi/L) and 35% of the basements screened were above 4 pCi/L. The SP buildings are in an area with the potential to exceed the EPA action level for radon.

7.0 REPORT FINDINGS, OPINIONS, AND CONCLUSIONS

7.1 General

Alpine Environmental Services, Inc. has completed a Phase I Environmental Site Assessment (Phase I ESA) in conformance with the scope and limitations of ASTM Practice E 1527-21 on the Subject Property (SP). The SP considered in this Phase I Environmental Site Assessment is a 6.1-acre land parcel in the City of Rensselaer, Rensselaer County, NY, known as 20 Forbes Avenue. The site contains seven industrial use buildings that covers a large portion of the tax parcel.

The SP is identified as having been originally constructed in 1873 as the Stroebel Malt House Brewery. The facility was then purchased in 1905 by The William Barnet Company and became the William Barnet & Sons All Wool Shoddy Mill, which reclaimed wool scraps from textile mills and restored them into batched wool fabric for resale. In 1915, the original mostly wooden mill structure burned in a fire and was then re-constructed as a masonry and steel fireproof structure and remained as the shoddy mill until sometime in the 1960's when the company moved its operations to South Carolina. The mill facility was thereafter purchased by Hilton Management, LLC, and became The Hilton Center, leasing portions of the building to numerous tenants for a wide spectrum of commercial, industrial and fine arts uses. Some of the known uses within portions of the facility have included tenant occupation by an architectural firm, a photography studio, automobile repair, industrial manufacturing of wire products, studio space for musicians, storage space and numerous other uses over decades of tenant rental. The property is currently vacant and is undergoing preliminary building area cleanup for a planned project that is to include renovation of the site buildings into residential apartments.

This assessment was comprised of a site reconnaissance, interviews with individuals knowledgeable of the property, and a regulatory and historical information review. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report. Provided below is a summary of the findings identified as a result of this ESA. This summary provides our opinions as to the potential impact of these findings to the site based on the Phase I ESA process. The conclusions are grouped into historic recognized environmental conditions & de minimis conditions and recognized environmental conditions.

7.2 Vapor Encroachment

A tier 1 vapor encroachment screen was performed in accordance with ASTM E2600. This screen applied common subsurface contaminant plume data and assumed groundwater flow direction to historic spills or releases along with generalizations about potential subsurface vapor migration distances, to identify sites that are likely to pose a vapor encroachment threat to the Subject Property.

Evaluation of the data on site area spills provided in Section 5.1, with the assumptions and generalizations outlined above, revealed that vapor encroachment from identified area spills/releases and conditions cannot be ruled out based on the data currently available for the site and SP area properties. Sub slab vapor sampling performed at the SP in 2021 indicate vapor intrusion of VOC compounds is likely in on the SP.

7.3 Data Failure and Significant Data Gaps

Data failure elements for this assessment include:

- First use of the Subject Property, or use prior to 1940, whichever occurred first, could not be determined with the information reviewed for this assessment.

Significant Data gaps for this assessment include:

- None

7.4 Non-ASTM conditions

- The SP building is in an area with potentially elevated radon levels. Alpine did not perform radon testing at the SP.

- Asbestos containing materials are known to be or have been present within the SP buildings and the building owner was in the process of abating these materials during the July 2021 ESA. Alpine did not evaluate asbestos containing materials at the SP or the abatement process that has occurred at the SP for this ESA.

- Lead-Based Paint- Due to the age of the SP buildings, lead paint may be present in the SP buildings. No lead paint testing was performed as part of this assessment.

7.5 De Minimis Conditions & Historic Recognized Environmental Conditions

7.5.1 This assessment has revealed the following evidence of de minimis condition in connection with the Subject Property (de minimis conditions are not recognized environmental conditions):

- Various stains on the concrete within the SP buildings was observed. No direct source was of the spills was identified and none appeared significantly large enough to be classified as a reportable spill.

7.5.2 This assessment has identified the following historic recognized environmental condition in connection with the Subject Property (historic RECs are not recognized environmental conditions):

- Prior site spills: Four prior petroleum spills were identified for the SP prior to 2021, assigned spill numbers 88-06485, 99-01711, 08-04418, and 13-00591, all four of the spills were investigated by the NYS DEC and subsequently closed, following action by the responsible parties. See section 5.1.2 for a summary of each spill listing. Relevant records obtained from the NYS DEC for these spills are located in Appendix H.

- 100,000 gallon sub grade concrete tank: According to historic mapping, a 100,000-gallon storage tank is present at or near the south end of SP building #5 and "large vaults" were reported by NYSDEC to exist beneath portions of the mill buildings. Additionally, it is presumed that all floor drains observed within the mill buildings are likely to discharge to the stormwater system and ultimately to the river. The water in the tank was sampled as part of the Phase II ESA (Oct 2021) and no VOCs, semi-VOCs, or PCBs were detected in the sample.

- Former Electrical Substation: An electrical power substation is present along the west side of the SP, to the east of Building 5. Multiple PCB oil containing transformers are likely to have been present within this substation. A Phase II ESA performed (Oct 2021) included testing shallow soil samples from this electrical substation area for PCB and petroleum contaminated soils. Results indicate there were no contaminants present above regulatory cleanup standards in the shallow soil (0-1 foot depth).

- PBS tank active registrations for the SP: Multiple petroleum and chemical storage tanks have existed on the SP. Three tanks were registered with the NYS DEC, PBS #4-443514 (under a prior owner, Jelliff Corp). Two were reportedly closed, the third, a 550 gallon underground fuel oil tank remains listed on the registration as "Active". The location of this tank is not clearly identified in the PBS records obtained from the DEC, although, a rough sketch in the file (see Figure 5.1 in section 5.1.2 above) appears to show the tank at the southeast end of SP building #4. The GPR survey scanned this area and no tank like anomalies were detected. Soil and groundwater samples collected in this area (S-19/MW-19), did not detect contaminants in excess of standards. Evidence was not found indicating the 550 gallon tank is present at the location identified on the rough sketch, and samples collected in this area did not show contamination present above standards.

The current property owner registered a 1,000 gallon underground tank and a 20,000 gallon underground tank with the NYS DEC PBS program, PBS #4-601736, both tanks were identified during a Phase I/II ESA (July/Oct 2021). Both tanks were removed by the current property owner in 2021. The 20,000 gallon tank was found to be leaking and a spill was reported to the NYS DEC (See section 7.6.2.5 below) and the spill remains open as of the date of this report. The 1,000 gallon tank is thought to have been used as an oil/water separator before discharging storm water to the Hudson River. No evidence of petroleum products being stored in the 1,000 gallon removed tank was observed. Soil samples collected from the tank excavation boundaries at the time of removal show several semi volatile organic compounds exceeded standards (See section 7.6.2.4 below). The new registration listed these tanks as "in service", although both are no longer present; the registration should be updated to reflect the removal of the tanks.

7.6 Recognized Environmental Conditions

7.6.1 This assessment has revealed no evidence of controlled recognized environmental conditions in connection with the Subject Property.

7.6.2 This assessment has revealed evidence of recognized environmental conditions (RECs) in connection with the Subject Property, as follows:

7.6.2.1. Industrial usage and commercial auto storage & repair (and possibly salvage) usage of the SP: A long history of industrial manufacturing usage, and auto repair usage, of the SP was identified through this ESA process. Evidence was found showing chlorinated and non chlorinated volatile organic compounds were used and stored at the site. This type of usage, predating regulations requiring special handling and disposal of hazardous substances and waste, presents a high risk for environmental contamination at the SP. A Phase II ESA (Alpine; 10/2021) and Supplemental Phase II ESA (Labella; 7/2022) were performed at the SP, both assessments showing exceedances of standards for volatile and semi volatile organic compounds in soil and groundwater, at several test locations, including west of buildings #6 and #7 (B-8/MW-8 location); south and west of SP building #4 (B-4/MW-4 location).

7.6.2.2. The west side of SP building #9 was filled with automobiles during the 2021 Phase I and Phase 2 ESA. At the time of this assessment, the automobiles have been removed and three waste drums, possibly containing waste motor oil are present, along with waste tires, in this area. Sampling beneath this section of the building may be necessary to determine if the storage or repair of automobiles in this building area has

impacted subsurface soil or groundwater quality beneath this building area. Waste drums should be removed and disposed according to waste characterized in each drum.

7.6.2.3. Stormwater basin sediment: Soil sample analysis results from a Phase II ESA (Alpine; 10/2021) indicate the presence of VOC's and SVOC compounds in storm drain sediments. Exceedances of some SVOC compounds were identified in the storm drain sediments. Low concentrations of PCB's and heavy metals, below cleanup standards, were also present in these sediment samples. Floor drain sediments at the SP should be assumed to contain contaminants exceeding standards unless tested to show otherwise, and cleaned and disposed of properly.

7.6.2.4. Land filling of hazardous substances at the SP: Land filling has reportedly occurred in the northern end of the SP. CHA reported as a result of a 2013 site inspection, that an apparent dumping area for various debris was noted in the northern site area. A significant amount of construction and demolition type debris was noted in this area. CHA noted that based on appearances in this area in conjunction with past documented actions of the property owner (at that time), including the attempted burial of PCB-contaminated electrical transformers, "there is reason to suspect the dumping or burial of potentially hazardous waste materials in this area". A Phase II ESA (Alpine;10/2021) included excavating eleven test pits in this area with sample collection and analysis. Volatile organic compounds, polychlorinated bi phenols (PCBs), and metals were detected at multiple locations in excess of NYS DEC standards. Groundwater collected in this area (location MW-11) indicates the groundwater standard was exceeded for bis(2-ethylhexyl) phthalate, a semi volatile organic compound. The results indicate that dumping of hazardous substances has likely occurred in this location and requires additional testing and/or remediation. The Brownfield Program application included these results for inclusion into the remedial investigation and remediation process.

7.6.2.5. 1,000 gallon "oil water separator" tank soil sample exceedances: The 1,000 gallon "oil/water separator" tank was removed by the SP owner in 2021. No evidence of petroleum products being stored in the 1,000 gallon removed tank was observed. Soil samples collected from the tank excavation boundaries at the time of removal show several semi volatile organic compounds exceeded standards. Further investigation/ remediation may be necessary.

7.6.2.6. Active spill listing for SP: The July 2021 Phase I ESA identified a potential tank south of SP building #1. The October 2021 Phase II ESA GPR scanning found a large sub surface anomaly at the location consistent with an underground tank. On August 31, 2021 and September 1, 2021, Bath Springs Development excavated and removed the

tank, an estimated 20,000-gallon #6 fuel oil tank, and discovered the tank had leaked, prompting the spill reporting to the NYS DEC (Spill number 2104385). The contamination was still present greater than 30 ft below grade, beyond standard equipment excavation reach, given the limitations on expanding the sides of the excavation due to building foundation, adjoining roads, railroad tracks, and utilities. Free product was noted as evident on the groundwater surface, The spill remains open, and was included in the active Brownfield Program application submitted to the NYS DEC, for potential further investigation/remediation under that program.

7.6.2.7. Vapor intrusion potential: Based on sub slab soil gas samples collected at the site presented in the Phase II ESA report (Oct 2021), vapor intrusion of volatile organic compounds is likely in the buildings at this site. Vapor mitigation design and installation is recommended before occupation of the buildings.

8.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

_____

Kim L. Baines
Environmental Scientist

_____

Mark Schnitzer, PE
Environmental Engineer

LIST OF SOURCES CONTACTED AND RECORDS REVIEWED

1. Environmental Data Resources, Inc. ASTM Environmental Database Report
2. Historic Topographic Maps of the site area – USGS
3. Aerial Photographs provided by Environmental Data Resources, Inc.
4. Polk City Directories
5. Sampson Murdock & Company City Directories
6. Fire Insurance Maps from the Sanborn Map Company Archives. Late 19th Century to most current available: provided by Environmental Data Resources, Inc.
7. City of Rensselaer; Information Request
8. County of Rensselaer, NY; Information Request
9. NYS Department of Environmental Conservation
10. Surficial geologic map of New York: Hudson - Mohawk sheet
11. SP Owner representative and ESA user Rep, Mark Teliska
12. Spectrum Environmental Associates, Inc. Asbestos Renovation Survey Inspection reports for the site buildings dated October of 2020 and prepared for Bath Spring Development.
13. Springs at Barnet Mills, Bath Springs Development, LLC, Development plans by Wallant Architecture – Plan Set dated July 26, 2018
14. BBL Construction Services development plan set dated December 24, 2020
15. Hilton Arts Center Topographic Center Topographic Survey dated April 14, 2014 by Weston & Sampson
16. Surveysmith Land Surveying, Boundary Retracement Land survey, Lands of Hilton Management, LLC, January 21, 2018
17. Labella: Brownfield Program Application
18. Labella: Supplemental Phase II ESA test results; July 2022
19. Phase I/II Environmental Site Assessment (Alpine Environmental Services, Inc.; July 2021/October 2021)

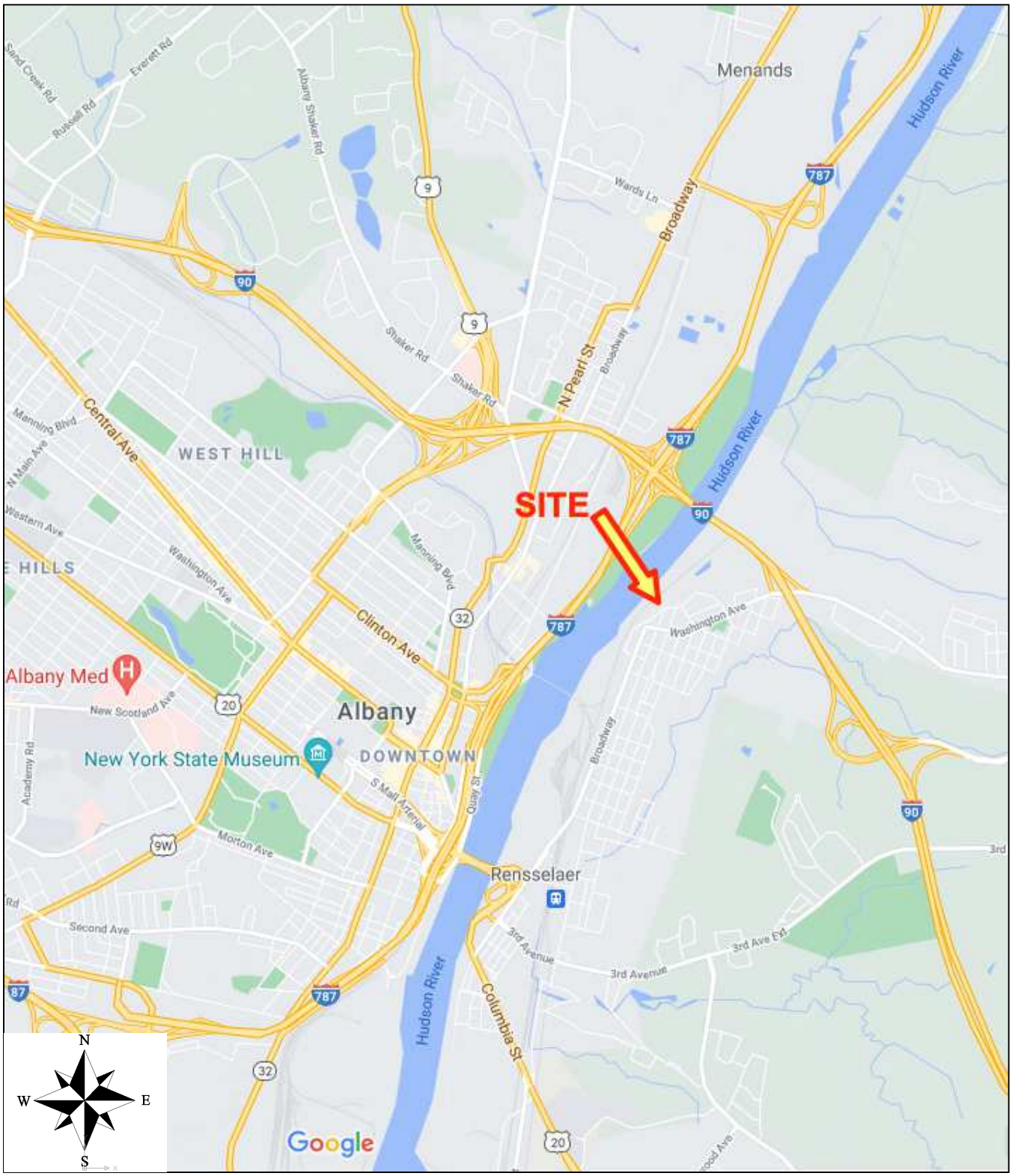
FIGURES

Figure 1a: Site Location

Figure 1b: Site Plan

Figure 2: Tax Map

Figure 3: Site Survey

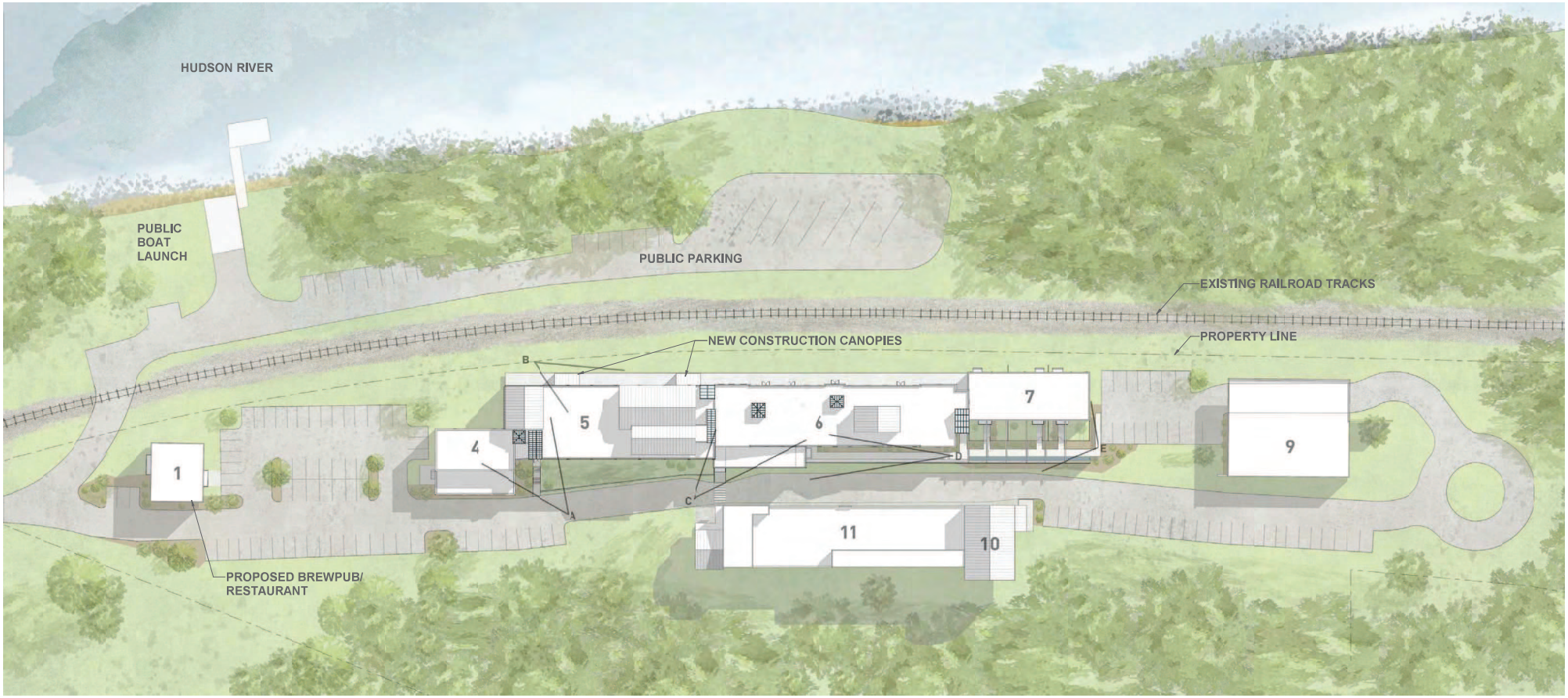


Project: Barnet Mill Phase I ESA
Project Number: 21-26694-E

FIGURE – 1 SITE LOCATION

Alpine Inc.
ENVIRONMENTAL SERVICES

FIGURE – 2 SITE PLAN (ATTACHED)



A

B

C

D

E

hbt ARCHITECTS

RENDERED SITE PLAN AND VIGNETTES
MARCH 18, 2022

BARNET MILLS REDEVELOPMENT

BBL CONSTRUCTION

FIGURE 1c Barnet Mills Redevelopement Plan

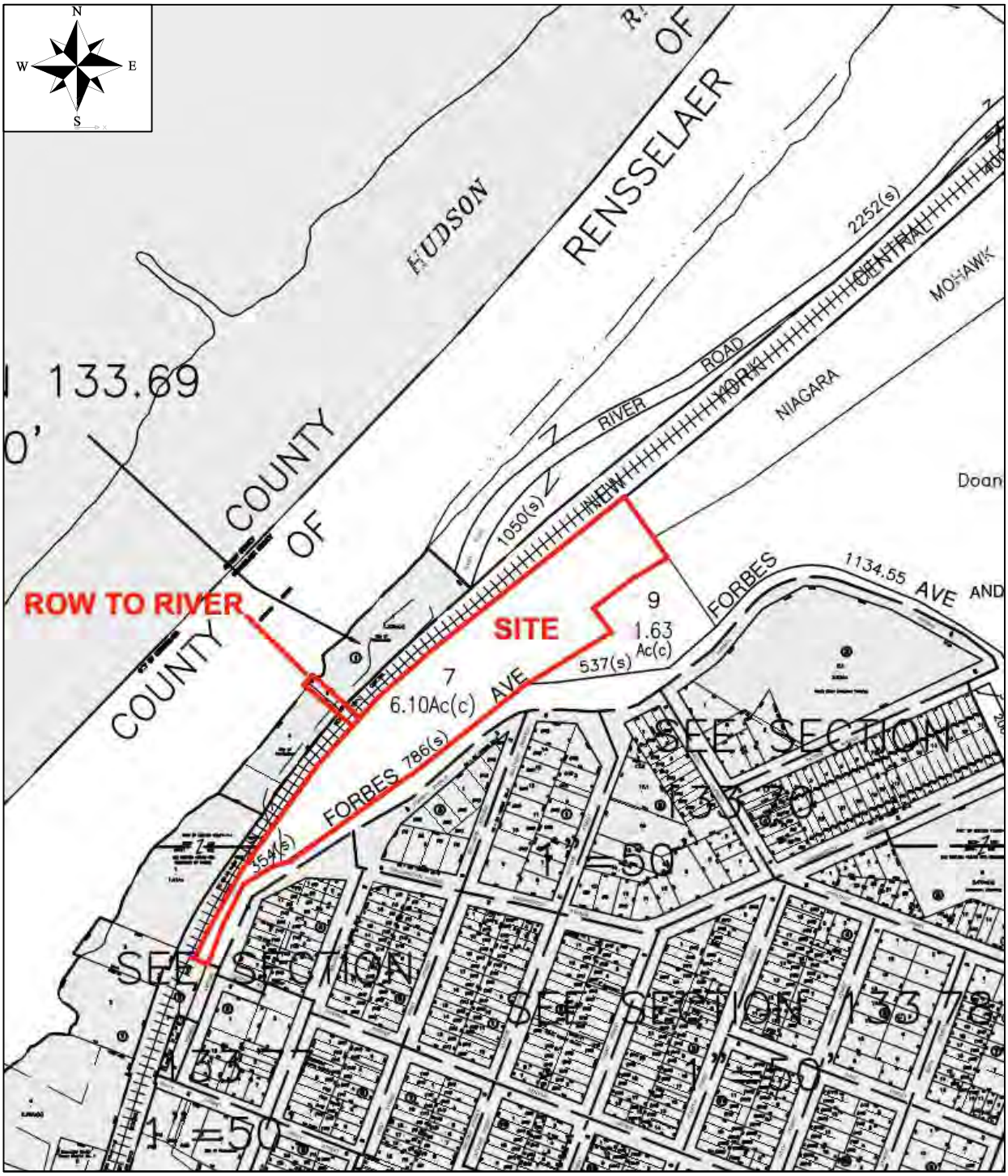


FIGURE – 3 Tax MAP

Project: Barnet Mill Phase I ESA
Project Number: 21-26694-E

Alpine Inc.
ENVIRONMENTAL SERVICES

FIGURE – 4 SP Survey Map

(ATTACHED)

Project: Barnet Mill Phase I ESA
Project Number: 21-26694-E

Alpine Inc.
ENVIRONMENTAL SERVICES

N

0 30 60
Graphic Scale

Location Map
Not to Scale

Hudson River

Hudson River

Hudson River

Deed liber 308, page 19 cites this parcel as extending from the Easterly dock line of the Hudson River to the Westerly line of the Railroad. The dimensions are 20 feet wide and 112'+/-. The Northerly boundary is three feet Northerly of the centerline of two pipes. These pipes exist, but the easterly terminus is not visible. The catch basin situated East of the railroad tracks seems to have an outlet that is coincident with one of the pipes. It was used for the direction of the pipes.

N43°53'10"E
20.00'

concrete headwall

Owner of Record:
Hilton Management, LLC.
Volume 299, Page 328
Tax I.D. 133.69-1-2

The right to cross the railroad with the two underground pipes is conveyed in liber 1288 at page 822 dated March 22, 1907. (Exception 7)

N45°15'40"W
112.01'

S45°15'40"E
112.00'

Owner of Record:
City of Rensselaer
Liber 914, Page 226
Tax I.D. 133.69-1-3 & 4

Easterly 30' of this strip is burdened by an easement to cross L. 338, P. 199 and L. 308, P. 19 (Exception 10 & 16).

Owner of Record:
City of Rensselaer
Liber 914, Page 226
Tax I.D. 133.69-1-1

boat launch

asphalt

asphalt

R=2389.03'
L=20.0'
cd=20.0'
cb=S43°52'32"W
Δ=0°28'47"

The green line is the boundary as shown on the "Right of Way and Track Map, Troy Greenbush Railroad, Operated by The New York Central Railroad Company, As Lessee", dated February 1, 1914, and supplied by Region 1, NYSDOT, Albany.

The easement cited in liber 583, page 206 appears to be in this area. (Exception 11) The deed is unspecific as to the location of the easement, and it seems to be the most practical location of said easement. It is to benefit the Barnet property.

The City of Rensselaer is using this portion of the roadway to access the boot launch and park. No record of an easement was found by the surveyor, yet it might exist.

catch basin

gravel

N50°14'40"E

gravel

689.61'

Δ= 2°37'33" R=2267.10' deed L=857.83' L=855.71' cb=N39°25'50"E cd=850.63'

overhang

masonry building

masonry building

masonry building

masonry building

masonry building

masonry building

masonry building

The green line shows the 1917 railroad boundary. All evidence shown on the 1917 Valuation Map has been obliterated. The existing track was used as evidence of the westerly track shown on said map. The boundary was reconstructed using that track.

S25°41'20"E
135.34'

Reputed Owner:
National Grid

asphalt

asphalt

concrete

gravel

N27°07'30"E
131.58'

211.42' deed 218.5'

S68°23'00"W

S21°58'00"W

N68°23'00"W
37.00'

Point of Beginning

305.42'

Forbes Avenue

centerline of easement for underground gas line liber 1032, page 11 Exception 12

utility easement L. 1003, P. 70 Exception 12

Deed distances vary from measured distances due to the Turnpike centerline survey information supplied by NYSDOT Albany and Sand Lake Plank Road Company

Turnpike boundary per deed liber 76 page 176 filed June 15, 1850

The roadway extending from Forbes Ave. continuing between the buildings, to the Northerly boundary of the parcel seems to be the Right of way cited in liber 331, page 470 and liber 392, page 164 Exception 10

Owner of Record:
Hilton Management, LLC.
Volume 299, Page 328
Tax I.D. 133.-3-7

Area = 6.33± Acres

N32°37'50"W
53.72'

127.40'

S53°27'10"W

111.50'

S57°22'10"W

75.00'

S36°32'50"E

S49°13'00"W

516.97'

91.29'

S77°43'00"W

293.77'

S53°27'10"W

S41°17'50"E
34.75'

The deed from William Barnet & Son, Inc., to C.O. Jelliff Company, Inc., liber 1288 at page 818 includes a curve between these tangents.

Central Avenue
formerly Ferry Street

Broadway

Belleview Terrace

Owner of Record:
Forbes Road, LLC.
Liber 7133, Page 130
Tax I.D. 133.-3-9

This parcel was not surveyed.

Owner of Record:
Doane Stuart School
Liber 4779, Page 274
Tax I.D. 132.-3-8

Forbes Avenue

66' WIDE

Second Street

Fourth Street

NOTES:

1. Prepared for Bath Springs Development Co., LLC by Raymond C. Smith Jr., LLS #50394 dba Surveysmith Land Surveying, from a field survey completed on January 16, 2018.
2. The basis of bearings is the Northerly line of the surveyed parcel being S83° 52'17"OE based on True North at 74°20' West Longitude, and is monumented as shown.
3. This survey was prepared for the purpose of inducing the title company to issue title insurance on the surveyed parcel and to induce the lender to release mortgage funds to the parties for which this survey is prepared. The survey was prepared using a Committment for Title Insurance No. 1703-73194 dated November 19, 2017.
4. No search of the public record was made for easements, rights, or restrictions specifically affecting this parcel other than those cited in the title report thus:
   Exception 7 – Shown hereon
   Exception 8 – does not appear to be within the boundaries of the surveyed parcel. First Ave and Ferry Street(Central Ave) are parallel. The parcel appears to be in another part of Rensselaer, to the South.
   Exception 9 – no notes appear on cited maps.
   Exception 10 – appears to be the driveway extending from Forbes Ave, continuing between the buildings on the parcel, to the Northerly boundary. And, the Easterly 30' of the strip of land on the West side of the railroad.
   Exception 11 – easement in liber 583, page 206 is shown.
   Exception 12 – easement in liber 1003, page 70, and liber 1032, page 11 are shown. Liber 413 at page 123 is not within the boundaries of the surveyed parcel.
   Exception 16 – shown hereon.
5. Adjoining boundaries are depicted for information only. They were not surveyed and their location is approximate.
6. The location of underground improvements or encroachments are not always known and often must be estimated, and might not be shown, yet they might exist. If any underground improvements or encroachments are shown, their location is approximate and no certification is made to the accuracy of that location. Call Dig Safe New York by dialing 811 before any digging, drilling or blasting.
7. Unauthorized alteration or addition to this survey map is a violation of Section 7209, Subdivision 2 of the New York State Education Law.
8. Only survey maps or plats bearing the Land Surveyor's embossed seal and signature are genuine, valid and true copies of the original surveyor's work and opinions. Only true copies should be relied upon since other than embossed-seal copies may contain unauthorized and undetectable modifications, deletions, additions, and changes. Copies without the surveyor's embossed seal are assumed to be unauthorized copies.
9. The survey was performed in snow-covered ground conditions. There might be features that exist but were not visible at that time.

CERTIFICATION:

The sole purpose of certifying a survey to a client, title company, or lending institution is to confirm the opinion of the Surveyor to his client and to the title company, or lending institution for a specific transaction. It is does not extend this obligation beyond such transaction, or to additional title companies, lending institutions, or subsequent owners. (NYSAPLS Code of Practice, Sec.A, Par. 6.) This survey is therefore certified only to:

Bath Springs Development Co., LLC
Chicago Title Insurance Company

DEED REFERENCE:

1. Deed to Hilton Management LLC, recorded in the Rensselaer County Clerk's Office on in Volume 299 of Deeds at Page 328.

Surveysmith
Land Surveying
204 Bliss Schoolhouse Road
Nassau, NY 12123-1711
518-701-8059
www.surveysmith.com

Boundary Retracement Survey
Lands of Hilton Management LLC
Forbes Avenue
City of Rensselaer Rensselaer County New York

Raymond C. Smith Jr., LLS 50394

Job No.:	017-019
Date:	January 21, 2018
Drawn:	RCS
Checked:	RCS
Scale:	1 inch = 60 feet
Plat #:	
Issued to:	

Appendix A:
Site Photographs

Site Photos

20 Forbes Avenue

Site Visit

Date: 2/2/2023

SITE NAME

West Mill Buildings Looking Southward

Mill Buildings looking southward from north end of property

Top of Building 9 looking S/SW

Roof of Buildings 7/8 looking SW – Buildings 6 beyond

Building 1 looking N/NE from Forbes Ave

South end of Building 1 looking westward where 20,000 gallon UST was removed.

Manway in ground where 2-foot recovery well was installed in 20,000-gallon UST spill area

South end of property along Forbes Ave entrance to SP

Former tank farm area west of south end of SP along Hudson Ave

Railroad and marina west of SP at Forbes Ave

North end of Building 1 where a foundation of a former boilerhouse stack was located

Looking northward at south end of Building 4 and storage trailers south of building

Abandoned Electrical sub station along east side of property

North side of Buildings 7&8 looking southward. Building 10 at left side of picture

South side of Building 9 looking northward

Looking southward along the east side of Building 6

Looking northward along the road between Buildings 6 and 11

Looking southward along the east side of Building 5

West side of Building 6 looking northward/NE

Equipment stored inside Building 1

Building 1 interior storage bay

Boat stored in Building 1 interior storage bay

Building 5 interior lower level south end

Building 5 interior lower level south end

Building 5 interior lower level south end

Building 4 upper floor area typical

Building 4 upper floor office

Oil furnace in Building 4 upper floor..no known storage tank currently present for this furnace

Building 5 upper level along east side

Building 5 upper level east side electrical utility room with dry-type transformer

Building 5 upper level area typical

Building 5 upper level west side typical

Freight elevator Building 6

100,000-gallon below ground concrete water storage tank south side of Building 5

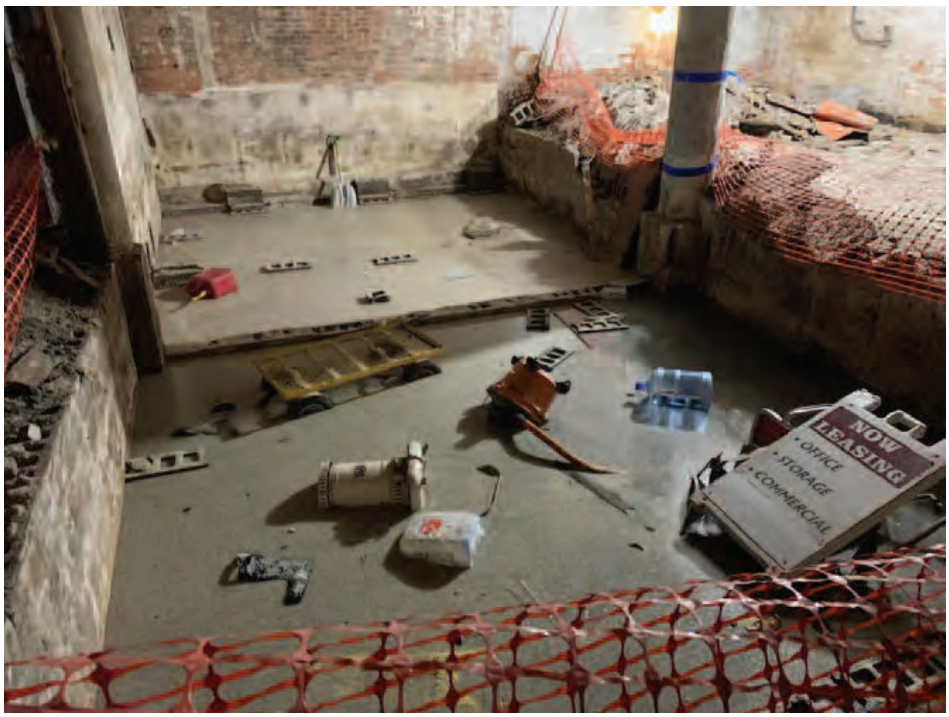
Inside Building 6 Lower Level

Inside Building 6 Lower Level

Inside Building 6 Lower Level

Water piping below floor in Building 6

Electrical service panels in Building 6



Sump pit in Building 6 filled with water

Lower level area in Building 6

Flowing stream transects north end of Building 6 in trench and discharging to storm basin west of the building

Upper floor area Building 6

Interior area Building 7

Interior area Building 7

Trench drain in Building 7 floor

Building 7 north end area

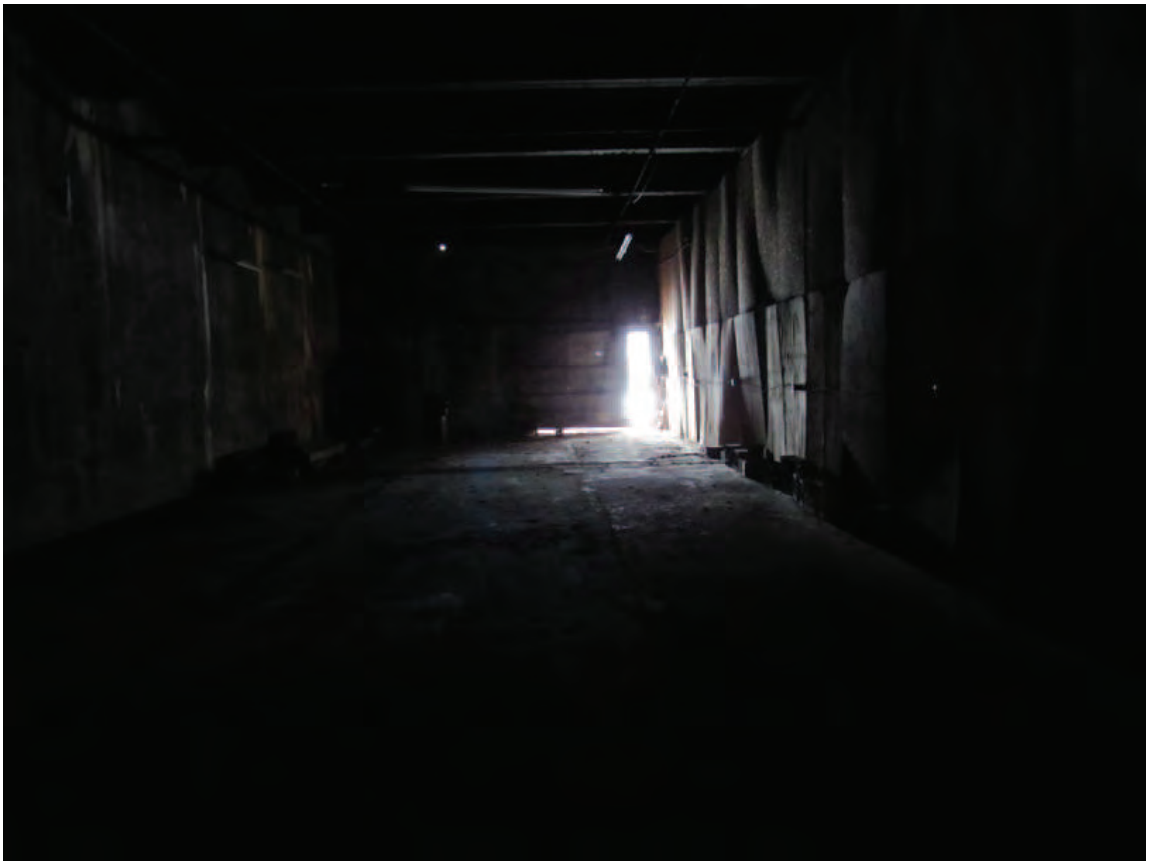
Building 7 north end area

Waste drum in Building 9, possible waste motor oil from auto servicing

Waste drum in Building 9, possible waste motor oil from auto servicing

Waste auto tires stored in Building 9

Service elevator shaft north end of Building 9



Empty bay east side of Building 9

Inside Building 10

Electrical service panel inside north end of Building 10

Upper floor level area in Building 11

Upper floor level area in Building 11

Upper floor level area in Building 11

Lower floor area in Building 11

Inside South end of Building 11 – No roof present

Inside lower floor south end Building 11

Inside lower floor south end Building 11

Appendix B:

Standard Record Sources

20 Forbes Ave
20 Forbes Ave
Rensselaer, NY 12144

Inquiry Number: 7228825.2s
January 19, 2023

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	257
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-13
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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

20 FORBES AVE
RENSSELAER, NY 12144

COORDINATES

Latitude (North):	42.6591000 - 42ˆ 39' 32.76''
Longitude (West):	73.7328460 - 73ˆ 43' 58.24''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	603856.4
UTM Y (Meters):	4723523.5
Elevation:	33 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	14106178 TROY SOUTH, NY
Version Date:	2019
Northwest Map:	14106112 ALBANY, NY
Version Date:	2019

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150607
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
20 FORBES AVE
RENSSELAER, NY 12144

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	ARTHUR HILTON PROPER	20 FORBES AVENUE	NY Spills		TP
A2	HILTON CENTER	20 FORBES AVE BLDG 1	RCRA-SQG, FINDS, ECHO		TP
A3	BARNETT MILL	20 FORBES AVE	NY UST		TP
A4	BATH SPRINGS	20 FORBES AVE	RCRA NonGen / NLR		TP
A5	BATH SPRINGS	20 FORBES AVE	ECHO		TP
Reg	HUDSON RIVER PCBS	NO STREET APPLICABLE	NPL, SEMS, RCRA-LQG, US ENG CONTROLS, US INST...	Same	302, 0.057, NW
6	STEPHAN RES BELLVIEW	50 BELLVIEW TERR	NY Spills	Higher	393, 0.074, SSE
7	AUSTIN GARAGE	0 WASHINGTON AVE	EDR Hist Auto	Higher	430, 0.081, South
8	38 WASHINGTON AVENUE	38 WASHINGTON AVENUE	US BROWNFIELDS	Higher	662, 0.125, SSE
9	THIRD STREET CITGO	1647 A 3RD ST	NY UST	Higher	974, 0.184, SSE
B10	JELLIFF CORP	5 FORBES RD	NY Spills, RCRA NonGen / NLR, FINDS, ECHO, NY...	Lower	1115, 0.211, SW
B11	JELLIFF CORP.	5 FORBES RD	NY UST, NY AST	Lower	1115, 0.211, SW
B12	9 TRACY ST	9 TRACY ST	US BROWNFIELDS, FINDS	Higher	1157, 0.219, SSW
C13	FORBES AVE PUMP STAT	FORBES AVE	NY UST	Lower	1249, 0.237, SW
C14	POLSINELLO TERMINAL	FORBES & TRACY STREE	NY MOSF	Lower	1251, 0.237, SW
C15	CITY OF RENSSELAER	6 TRACY ST	RCRA NonGen / NLR	Lower	1299, 0.246, SSW
16	1523-1549 BROADWAY	1523-1549 BROADWAY	US BROWNFIELDS, FINDS	Higher	1314, 0.249, SSW
17	CHANDLER PLT		FUDS	Lower	2000, 0.379, West
18	ALBANY STO YARD		FUDS	Lower	2173, 0.412, West
19	THE HOLLOW	THIRD STREET	US BROWNFIELDS	Higher	2337, 0.443, SE
20	EMPIRE RECYCLING/MOM	11 NORTH FERRY STREE	NY SWRCY	Lower	2382, 0.451, West
21	ALBANY WATER DEPT OF	35 ERIE BLVD	RCRA-VSQG, NY LTANKS, NY CBS, NY AST, NY CBS AST,...	Lower	2572, 0.487, NNW
D22	RYDER TRUCK RENTAL I	10 ERIE BLVD E SIDE	RCRA-VSQG, NY LTANKS, NY AST, NY Spills, NY...	Lower	2594, 0.491, West
D23	RYDER TRUCK ERIE BLV	10 ERIE BLVD	NY LTANKS	Lower	2594, 0.491, West
24	THE HOLLOW	FOURTH STREET TO TEN	US BROWNFIELDS, FINDS	Higher	2623, 0.497, East
25	SIMMONS MACHINE AND	1000 NORTH BROADWAY	FUSRAP	Lower	3414, 0.647, NW
26	C & F PLATING CO INC	406 NORTH PEARL STRE	SEMS, RCRA-LQG, NY SHWS, NY ENG CONTROLS, NY INST	Lower	3522, 0.667, WNW
E27	NATIONAL GRID N ALBA	1125 BROADWAY	CORRACTS, RCRA-TSDF, RCRA-LQG, 2020 COR ACTION,...	Lower	4121, 0.780, NNW
E28	NIMO - NORTH ALBANY	1125 BROADWAY	EDR MGP	Lower	4121, 0.780, NNW
E29	NATIONAL GRID (NIMO)	1125 BROADWAY	NY SHWS, NY Spills, NY MANIFEST	Lower	4121, 0.780, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
ARTHUR HILTON PROPER 20 FORBES AVENUE RENSSELAER, NY	NY Spills Spill Number/Closed Date: 1300591 / 2016-06-14 Spill Number/Closed Date: 2104385 / Not Reported Site ID: 480924 Site ID: 623194 Spill Date: 2013-04-15 Spill Date: 2021-08-09	N/A
HILTON CENTER 20 FORBES AVE BLDG 1 RENSSELAER, NY 12144	RCRA-SQG EPA ID:: NYR000201921 FINDS Registry ID:: 110055945090 ECHO Registry ID: 110055945090	NYR000201921
BARNETT MILL 20 FORBES AVE RENSSELAER, NY 12144	NY UST Database: UST, Date of Government Version: 09/19/2022	N/A
BATH SPRINGS 20 FORBES AVE RENSSELAER, NY 12144	RCRA NonGen / NLR EPA ID:: NYR000249888	NYR000249888
BATH SPRINGS 20 FORBES AVE RENSSELAER, NY 12144	ECHO Registry ID: 110071139612	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

Proposed NPL..... Proposed National Priority List Sites

NPL LIENS ---- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---- Federal Facility Site Information listing

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---- Superfund Enterprise Management System Archive

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System

Federal ERNS list

ERNS ---- Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

NY SWF/LF ---- Facility Register

Lists of state and tribal leaking storage tanks

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land
NY HIST LTANKS ---- Listing of Leaking Storage Tanks

Lists of state and tribal registered storage tanks

FEMA UST ---- Underground Storage Tank Listing
NY CBS UST ---- Chemical Bulk Storage Database
NY MOSF UST ---- Major Oil Storage Facilities Database
NY MOSF AST ---- Major Oil Storage Facilities Database
INDIAN UST ---- Underground Storage Tanks on Indian Land
NY TANKS ---- Storage Tank Faciliy Listing

State and tribal institutional control / engineering control registries

NY RES DECL ---- Restrictive Declarations Listing

Lists of state and tribal voluntary cleanup sites

NY VCP ---- Voluntary Cleanup Agreements
INDIAN VCP ---- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

NY BROWNFIELDS ---- Brownfields Site List
NY ERP ---- Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

NY SWTIRE ---- Registered Waste Tire Storage & Facility List

INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
NY DEL SHWS ---- Delisted Registry Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

NY HIST UST ---- Historical Petroleum Bulk Storage Database
NY HIST AST ---- Historical Petroleum Bulk Storage Database

Local Land Records

NY LIENS ---- Spill Liens Information
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
NY Hist Spills ---- SPILLS Database
NY SPILLS 90 ---- SPILLS 90 data from FirstSearch
NY SPILLS 80 ---- SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PADS ---- PCB Activity Database System
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
DOT OPS ---- Incident and Accident Data
INDIAN RESERV ---- Indian Reservations
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
UXO ---- Unexploded Ordnance Sites
FUELS PROGRAM ---- EPA Fuels Program Registered Listing

PFAS NPL..... Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES..... Federal Sites PFAS Information
PFAS TSCA..... PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST..... PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR..... PFAS Contamination Site Location Listing
PFAS WQP..... Ambient Environmental Sampling for PFAS
PFAS NPDES..... Clean Water Act Discharge Monitoring Information
PFAS ECHO..... Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT... All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC..... Aqueous Foam Related Incidents Listing
NY PFAS..... PFAS Contamination Site Location Listing
NY AIRS..... Air Emissions Data
NY COAL ASH..... Coal Ash Disposal Site Listing
NY DRYCLEANERS..... Registered Drycleaners
NY E DESIGNATION..... E DESIGNATION SITE LISTING
NY Financial Assurance..... Financial Assurance Information Listing
NY HSWDS..... Hazardous Substance Waste Disposal Site Inventory
NY VAPOR REOPENED..... Vapor Intrusion Legacy Site List
NY UIC..... Underground Injection Control Wells
NY COOLING TOWERS..... Registered Cooling Towers
NY LEAD..... Lead-based Paint Testing Results
MINES MRDS..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***NW 0 - 1/8 (0.057 mi.)***	***0***	***19***
Cerclis ID:: 202229				
EPA Id: NYD980763841				

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***NW 0 - 1/8 (0.057 mi.)***	***0***	***19***
Site ID: 0202229				
EPA Id: NYD980763841				

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 11/21/2022 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL GRID N ALBA	***1125 BROADWAY***	***NNW 1/2 - 1 (0.780 mi.)***	***E27***	***185***
EPA ID:: NYD000730408				

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 11/21/2022 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***NW 0 - 1/8 (0.057 mi.)***	***0***	***19***
EPA ID:: NYD980763841				

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 08/15/2022 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***NW 0 - 1/8 (0.057 mi.)***	***0***	***19***
EPA ID:: NYD980763841				
EPA ID:: NYD980763841				

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 08/15/2022 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***NW 0 - 1/8 (0.057 mi.)***	***0***	***19***
EPA ID:: NYD980763841				

Lists of state- and tribal hazardous waste facilities

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 08/08/2022 has revealed that there are 2

NY SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
C & F PLATING CO INC	***406 NORTH PEARL STRE***	***WNW 1/2 - 1 (0.667 mi.)***	***26***	***140***
Site Code: 415349				
Class Code: Site is properly closed - requires continued management.				
NATIONAL GRID (NIMO)	***1125 BROADWAY***	***NNW 1/2 - 1 (0.780 mi.)***	***E29***	***239***
Site Code: 58530				

Lists of state and tribal leaking storage tanks

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 08/08/2022 has revealed that there are 3 NY LTANKS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALBANY WATER DEPT OF	***35 ERIE BLVD***	***NNW 1/4 - 1/2 (0.487 mi.)***	***21***	***89***
Spill Number/Closed Date: 8703215 / 1987-11-02				
Spill Number/Closed Date: 8904851 / 1990-01-29				
Site ID: 316746				
Site ID: 316747				
Spill Date: 1987-07-21				
Spill Date: 1989-08-15				
RYDER TRUCK RENTAL I	***10 ERIE BLVD E SIDE***	***W 1/4 - 1/2 (0.491 mi.)***	***D22***	***108***
Spill Number/Closed Date: 8708160 / 1989-03-22				
Spill Number/Closed Date: 8900577 / 1989-04-26				
Spill Number/Closed Date: 9011390 / 1992-02-06				
Spill Number/Closed Date: 9310972 / 1999-02-02				
Site ID: 150010				
Site ID: 150012				
Site ID: 150014				
Site ID: 150016				
Spill Date: 1987-12-21				
Spill Date: 1989-04-19				
Spill Date: 1991-01-29				
Spill Date: 1993-12-09				
RYDER TRUCK ERIE BLV	10 ERIE BLVD	W 1/4 - 1/2 (0.491 mi.)	D23	135
Spill Number/Closed Date: 9605317 / 1999-02-02				
Site ID: 148203				
Spill Date: 1996-07-24				

Lists of state and tribal registered storage tanks

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, has revealed that there are 3 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THIRD STREET CITGO Database: UST, Date of Government Version: 09/19/2022	1647 A 3RD ST	SSE 1/8 - 1/4 (0.184 mi.)	9	50

Lower Elevation	Address	Direction / Distance	Map ID	Page
JELLIFF CORP. Database: UST, Date of Government Version: 09/19/2022	***5 FORBES RD***	***SW 1/8 - 1/4 (0.211 mi.)***	***B11***	***60***
FORBES AVE PUMP STAT Database: UST, Date of Government Version: 09/19/2022	FORBES AVE	SW 1/8 - 1/4 (0.237 mi.)	C13	67

NY MOSF: These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

A review of the NY MOSF list, as provided by EDR, and dated 09/19/2022 has revealed that there is 1 NY MOSF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
POLSINELLO TERMINAL Tank Status: Inactive Facility Id: 4-1620	FORBES & TRACY STREE	SW 1/8 - 1/4 (0.237 mi.)	C14	70

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, has revealed that there is 1 NY AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
JELLIFF CORP. Database: AST, Date of Government Version: 09/19/2022 Facility Id: 4-443514	***5 FORBES RD***	***SW 1/8 - 1/4 (0.211 mi.)***	***B11***	***60***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

EXECUTIVE SUMMARY

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 02/23/2022 has revealed that there are 5 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
38 WASHINGTON AVENUE ACRES property ID: 176783 Cleanup Completion Date: -	38 WASHINGTON AVENUE	SSE 1/8 - 1/4 (0.125 mi.)	8	47
9 TRACY ST ACRES property ID: 153983 Cleanup Completion Date: -	***9 TRACY ST***	***SSW 1/8 - 1/4 (0.219 mi.)***	***B12***	***64***
1523-1549 BROADWAY ACRES property ID: 153982 Cleanup Completion Date: -	***1523-1549 BROADWAY***	***SSW 1/8 - 1/4 (0.249 mi.)***	***16***	***76***
THE HOLLOW ACRES property ID: 132517 Cleanup Completion Date: -	THIRD STREET	SE 1/4 - 1/2 (0.443 mi.)	19	80
THE HOLLOW ACRES property ID: 169645 Cleanup Completion Date: -	***FOURTH STREET TO TEN***	***E 1/4 - 1/2 (0.497 mi.)***	***24***	***136***

Local Lists of Landfill / Solid Waste Disposal Sites

Registered Recycling Facility List from the Department of Environmental Conservation.

A review of the NY SWRCY list, as provided by EDR, and dated 12/21/2022 has revealed that there is 1 NY SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EMPIRE RECYCLING/MOM	11 NORTH FERRY STREE	W 1/4 - 1/2 (0.451 mi.)	20	87

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 08/08/2022 has revealed that there are 2 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS Spill Number/Closed Date: 0308107 / 2003-10-31 Site ID: 237813 Spill Date: 2003-10-31	***NO STREET APPLICABLE***	***NW 0 - 1/8 (0.057 mi.)***	***0***	***19***
STEPHAN RES BELLVIEW	50 BELLVIEW TERR	SSE 0 - 1/8 (0.074 mi.)	6	46

Spill Number/Closed Date: 0604935 / 2006-08-02
Site ID: 368021
Spill Date: 2006-07-31

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 11/21/2022 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
JELLIFF CORP EPA ID:: NYD096932108	***5 FORBES RD***	***SW 1/8 - 1/4 (0.211 mi.)***	***B10***	***52***
CITY OF RENSSELAER EPA ID:: NYR000133991	6 TRACY ST	SSW 1/8 - 1/4 (0.246 mi.)	C15	70

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 08/11/2022 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHANDLER PLT		W 1/4 - 1/2 (0.379 mi.)	17	79
ALBANY STO YARD		W 1/4 - 1/2 (0.412 mi.)	18	80

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS EPA ID:: NYD980763841	***NO STREET APPLICABLE***	***NW 0 - 1/8 (0.057 mi.)***	***0***	***19***

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 09/30/2022 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***NW 0 - 1/8 (0.057 mi.)***	***0***	***19***

FUSRAP: DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

A review of the FUSRAP list, as provided by EDR, and dated 07/26/2021 has revealed that there is 1 FUSRAP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SIMMONS MACHINE AND Site Status: Eliminated from consideration under FUSRAP Site ID: NY.35	1000 NORTH BROADWAY	NW 1/2 - 1 (0.647 mi.)	25	139

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
JELLIFF CORP EPA ID: NYD096932108	***5 FORBES RD***	***SW 1/8 - 1/4 (0.211 mi.)***	***B10***	***52***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
NIMO - NORTH ALBANY	1125 BROADWAY	NNW 1/2 - 1 (0.780 mi.)	E28	239

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

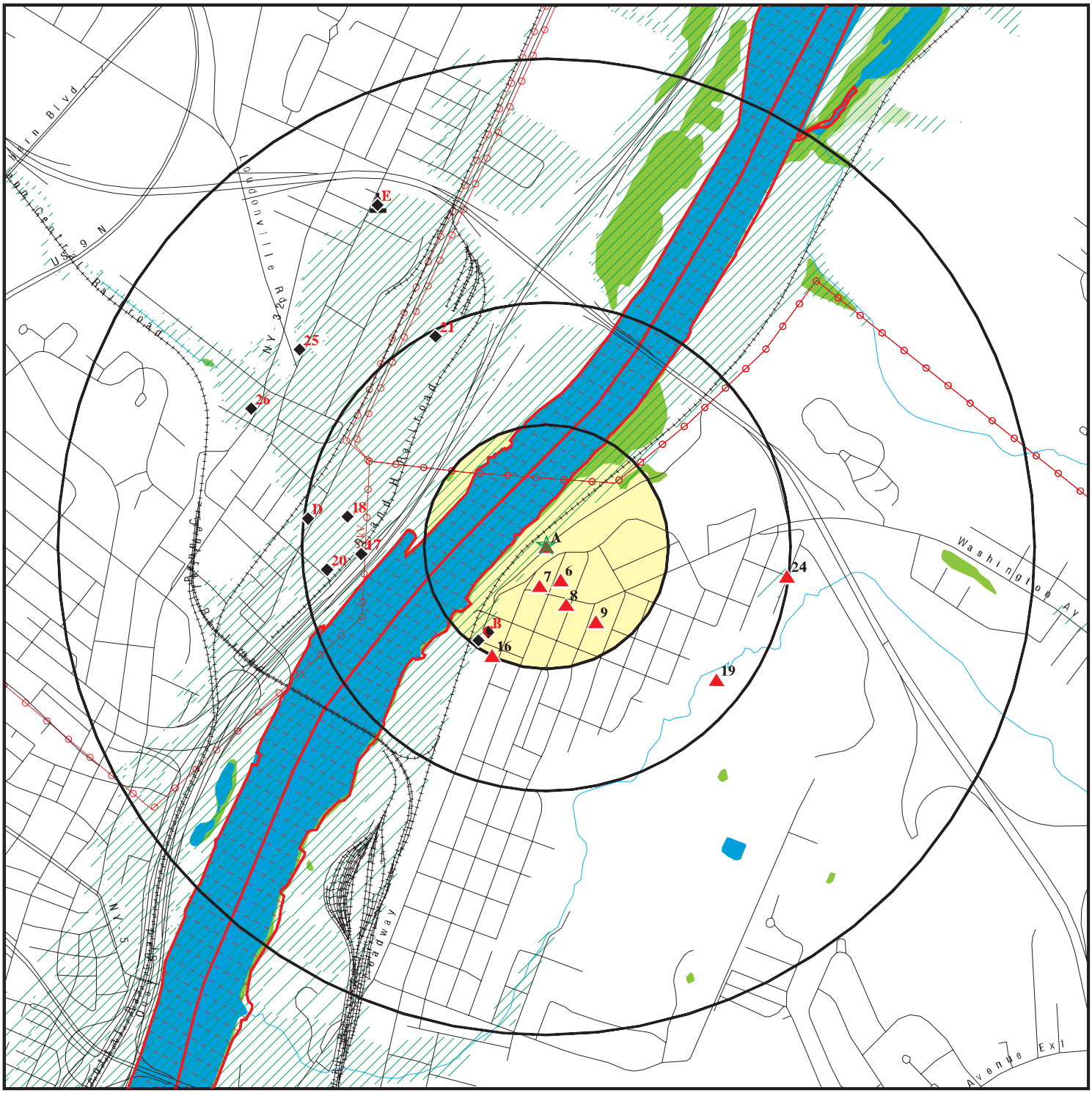
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AUSTIN GARAGE	0 WASHINGTON AVE	S 0 - 1/8 (0.081 mi.)	7	47

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 8 records.

Site Name	Database(s)
ASHLAND DISTRIBUTION	CORRACTS, RCRA-TSDF, RCRA-SQG, US FIN ASSUR, 2020 COR ACTION, RAATS, NY MANIFEST, PA MANIFEST
RENSSELAER WYCK TARGET RANGE	NY SHWS
NM - RENSSELAER MGP	NY SHWS, NY VCP
CHEVRON FORMER ASPHALT FACILITY	NY SHWS
NM - TROY WATER ST. MGP	NY SHWS
RESSELAER CO. SD SLUDGE MONOFILL	NY SWF/LF
NM - AREA 4 WATER ST. - TROY MGP	NY SWF/LF
RENS CO PUMP STA FORBES AVE	NY Spills

OVERVIEW MAP - 7228825.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 20 Forbes Ave	CLIENT: Alpine Environmental Services
ADDRESS: 20 Forbes Ave Rensselaer NY 12144	CONTACT: Denise Salisbury
LAT/LONG: 42.6591 / 73.732846	INQUIRY #: 7228825.2s DATE: January 19, 2023 11:40 am

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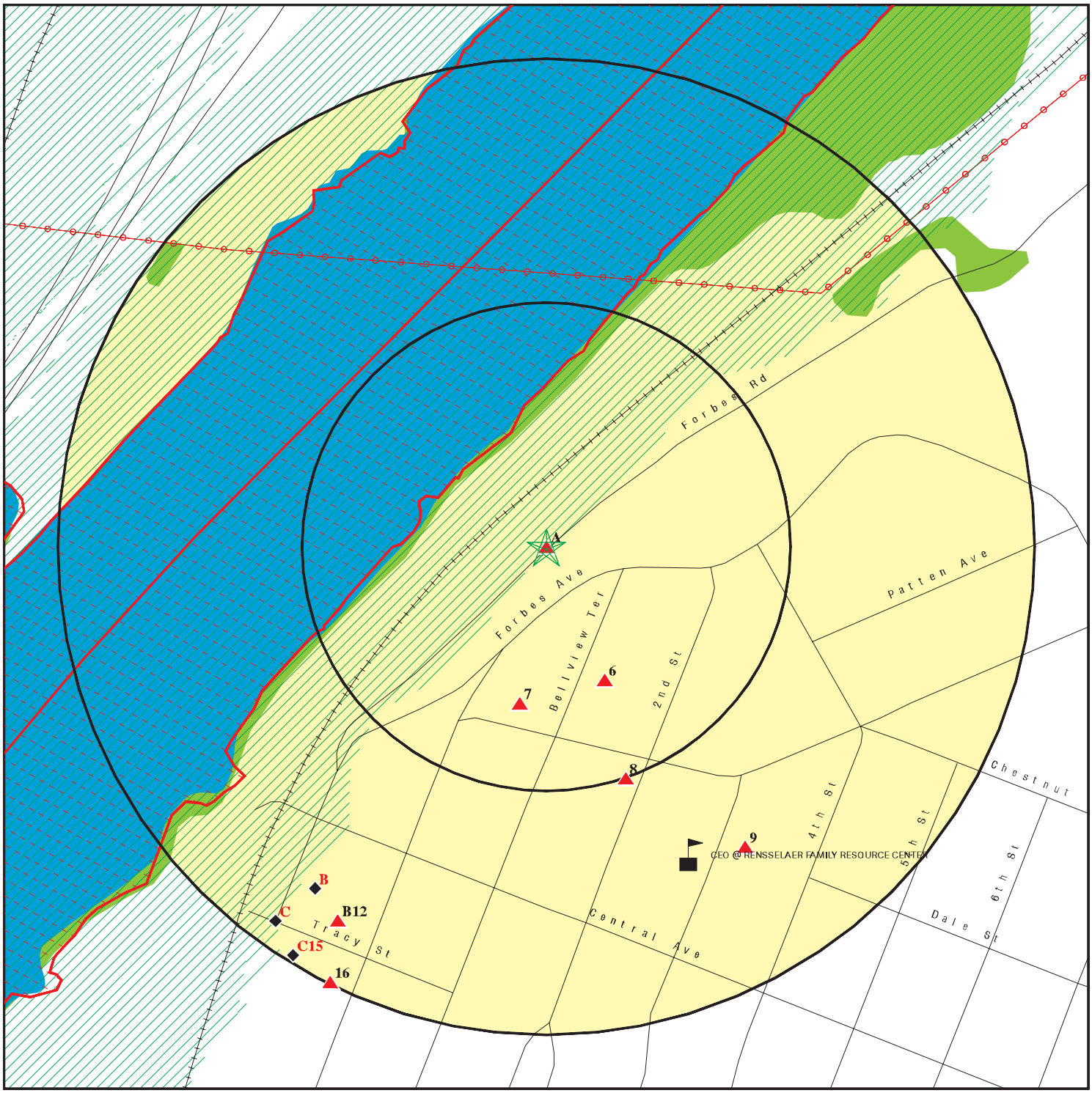
DETAIL MAP - 7228825.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 20 Forbes Ave	CLIENT: Alpine Environmental Services
ADDRESS: 20 Forbes Ave Rensselaer NY 12144	CONTACT: Denise Salisbury
LAT/LONG: 42.6591 / 73.732846	INQUIRY #: 7228825.2s DATE: January 19, 2023 11:44 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		1	0	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		1	0	0	NR	NR	1
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	1	NR	1
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250	1	0	0	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		1	0	0	NR	NR	1
US INST CONTROLS	0.500		1	0	0	NR	NR	1
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
NY SHWS	1.000		0	0	0	2	NR	2
Lists of state and tribal landfills and solid waste disposal facilities								
NY SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY LTANKS	0.500		0	0	3	NR	NR	3
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
NY UST	0.250	1	0	3	NR	NR	NR	4
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
NY MOSF	0.500		0	1	0	NR	NR	1
NY AST	0.250		0	1	NR	NR	NR	1
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
NY TANKS	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY RES DECL	0.125		0	NR	NR	NR	NR	0
NY ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
NY BROWNFIELDS	0.500		0	0	0	NR	NR	0
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	3	2	NR	NR	5
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWTIRE	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	1	NR	NR	1
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
NY LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125	1	2	NR	NR	NR	NR	3
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	0	2	NR	NR	NR	3
FUDS	1.000		0	0	2	0	NR	2
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		1	0	0	0	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		1	0	0	0	NR	1
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	1	NR	1
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP	2	NR	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
NY PFAS	0.250		0	0	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NY E DESIGNATION	0.125		0	NR	NR	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY MANIFEST	0.250		0	1	NR	NR	NR	1
NJ MANIFEST	0.250		0	0	NR	NR	NR	0
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY VAPOR REOPENED	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NY COOLING TOWERS	TP		NR	NR	NR	NR	NR	0
NY LEAD	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	TP		NR	NR	NR	NR	NR	0
NY RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		7	10	11	8	5	0	41

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property
ARTHUR HILTON PROPERTY FORBES AVE
20 FORBES AVENUE
RENSSELAER, NY

NY Spills **S113493200**
N/A

Site 1 of 5 in cluster A

Actual:
33 ft.

SPILLS:

Name:	ARTHUR HILTON PROPERTY FORBES AVE
Address:	20 FORBES AVENUE
City,State,Zip:	RENSSELAER, NY
Spill Number/Closed Date:	1300591 / 2016-06-14
Facility ID:	1300591
Facility Type:	ER
DER Facility ID:	436202
Site ID:	480924
DEC Region:	4
Spill Cause:	Housekeeping
Spill Class:	B2
SWIS:	4214
Spill Date:	2013-04-15
Investigator:	JDUTBERG
Referred To:	Not reported
Reported to Dept:	2013-04-18
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2013-04-18
Spill Record Last Update:	2016-06-14
Spiller Name:	Not reported
Spiller Company:	arthur hilton
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	DAN MOORE
DEC Memo:	"4/26/13 JDU on site with City of Rennselaer Code Enforement Personnel. Large area at north end of building that appears to be a dump site where debris has been buried. Large amounts of other debris and used tires inside the building. Pictures and info forwarded to solid waste. Several drums inside the building. Facility rep. claimed that they had hired a company out of syracuse to charactorize lable and dispose of drums. The majority of the drums had been labled a this point. Underground tank located on the south end of the buildings. Stuck the tank and found aproximately 2' of product in the tank. Product resembled and appears to be heating oil. Large vaults under builing appear to be designed for water flow under the building. It is believed that the vaults discharge to the hudson. Uncertain if floor drains throughout the building are tied into the vaults or where they discharge to. Structure of the building is coated with what might be an asbestos material. Unidentified material is flaking off the building and piling up on the floors throughout. E-mail recieved from Will O'leary who is City of Rens. Code enforcement. What appears to be another underground and a waste oil tank and burner were found on site. Pictures were attached and in

ARTHUR HILTON PROPERTY FORBES AVE (Continued) **S113493200**

edocs. Searched PBS records and the facility has never been registered. 5/15/13 E-mail sent to Will O'leary to try to get site access so that the oil tanks could be observed to determine if PBS registration was needed. Solid waste was also going to accompany us to the site. Site access was not granted. JDU 6/14/16 No further complaints from Code enforcement or other agencies. No evidence of any petroleum impacts to the environment or any other spills. Closed. JDU"

Remarks: "The City obtained court ordered access to inspect this site for code violations. During their inspection, several leaking 55 gallon drums were observed. The City would like the DEC to provide guidance on how to handle these drums."

All Materials:

Site ID:	480924
Operable Unit ID:	1230707
Operable Unit:	01
Material ID:	2229398
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Name:	BARNET MILL
Address:	20 FORBES AVE
City,State,Zip:	RENSSELAER, NY
Spill Number/Closed Date:	2104385 / Not Reported
Facility ID:	2104385
Facility Type:	ER
DER Facility ID:	570561
Site ID:	623194
DEC Region:	4
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	4214
Spill Date:	2021-08-09
Investigator:	DJWEHN
Referred To:	Not reported
Reported to Dept:	2021-08-09
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	2021-08-09
Spill Record Last Update:	2021-09-15
Spiller Name:	KIM BAINES
Spiller Company:	BARNET MILL

ARTHUR HILTON PROPERTY FORBES AVE (Continued) **S113493200**

Spiller Address:	20 FORBES AVE
Spiller Company:	999
Contact Name:	KIM BAINES
DEC Memo:	"Spoke with Kim. Alpine is doing a Phase II Site Assessment at the old mill and found unidentified oil in the soil borings. They believe there is a UST nearby. Once located they will close out the tank and register it with DEC.KO 8/31/21- Tank pull at Barnet Mill. 1 500 gallon tank pulled in front of mill. Appears to be AST with skids on it. No staining or odor in excavation area, 4 side wall samples taken. 20,000 gallon tank pulled.Free product and contaminated soil found at 12ft-16ft bgs. Kim stated contamination was found within borings down to 30 ft bgs. Tank 10x35 ft, 20,000 gallon, running east west, perpendicular to river. Pit was dugout to extent practical given logistics of depth, building footprint, railroad property and road. Contamination found along length of tank. 2ft diameter culvert wells were placed at both ends of tank footprint. Endpoint samples were taken along bottom and sides. Need disposal manifest for impacted soil & tanks. KO"
Remarks:	"LOSS DISCOVERED DURING TEST BORINGS ON SITE"

All Materials:

Site ID:	623194
Operable Unit ID:	1370349
Operable Unit:	01
Material ID:	2383361
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

A2 **HILTON CENTER** **RCRA-SQG** **1016169722**
Target **20 FORBES AVE BLDG 1** **FINDS** **NYR000201921**
Property **RENSSELAER, NY 12144** **ECHO**

Site 2 of 5 in cluster A

Actual:
33 ft.

RCRA Listings:

Date Form Received by Agency:		20130827
Handler Name:	HILTON CENTER	
Handler Address:		20 FORBES AVE BLDG 1
Handler City,State,Zip:		RENSSELAER, NY 12144
EPA ID:		NYR000201921
Contact Name:		JEAN E FRANCOIS
Contact Address:		FORBES AVE BLDG 1
Contact City,State,Zip:		RENSSELAER, NY 12144
Contact Telephone:		518-436-0820
Contact Fax:		Not reported
Contact Email:		J-FRANCOIS@NYCAP.RR.COM
Contact Title:		EXECUTIVE DIRECTOR
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported

HILTON CENTER (Continued) **1016169722**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R4
Mailing Address:		FORBES AVE BLDG 1
Mailing City,State,Zip:		RENSSELAER, NY 12144
Owner Name:	HILTON MANAGEMENT LLC	
Owner Type:		Private
Operator Name:	HILTON MANAGEMENT LLC	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

HILTON CENTER (Continued) **1016169722**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20150521
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HILTON MANAGEMENT LLC
Legal Status:	Private
Date Became Current:	20010525
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	HILTON MANAGEMENT LLC
Legal Status:	Private
Date Became Current:	19930511
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20130827
Handler Name:	HILTON CENTER
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY

HILTON CENTER (Continued) **1016169722**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 53112
NAICS Description: LESSORS OF NONRESIDENTIAL BUILDINGS (EXCEPT MINIWAREHOUSES)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110071139612

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110055945090

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016169722
Registry ID:	110055945090
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055945090
Name:	HILTON CENTER
Address:	20 FORBES AVE BLDG 1
City,State,Zip:	RENSSELAER, NY 12144

A3 **BARNETT MILL** **NY UST** **U004359981**
Target **20 FORBES AVE** **N/A**
Property **RENSSELAER, NY 12144**

Site 3 of 5 in cluster A

Actual:
33 ft.

UST:

Name:	BARNETT MILL
Address:	20 FORBES AVE
City,State,Zip:	RENSSELAER, NY 12144
Id/Status:	4-601736 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	4
Expiration Date:	12/08/2026
UTM X:	Not reported
UTM Y:	Not reported
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	630094
Affiliation Type:	Facility Operator
Company Name:	BATH SPRINGS DEVELOPMENT
Contact Type:	Not reported
Contact Name:	MARK TELLSKA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 365-4775
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DJWEHN
Date Last Modified:	2021-12-08

Site Id:	630094
Affiliation Type:	Emergency Contact
Company Name:	BATH SPRINGS DEVELOPMENT
Contact Type:	Not reported
Contact Name:	MARK TELLSKA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	5183) 654-775
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DJWEHN
Date Last Modified:	2021-12-08

Site Id:	630094
Affiliation Type:	Mail Contact
Company Name:	BATH SPRINGS DEVELOPMENT CO. LLC
Contact Type:	Not reported
Contact Name:	SHIRLEY SULLIVAN
Address1:	164 COLUMBIA TPKE

BARNETT MILL (Continued) **U004359981**

Address2:	Not reported
City:	RENSSELAER
State:	NY
Zip Code:	12144
Country Code:	001
Phone:	(518) 821-5032
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DJWEHN
Date Last Modified:	2021-12-08

Site Id:	630094
Affiliation Type:	Facility Owner
Company Name:	BATH SPRINGS DEVELOPMENT
Contact Type:	OWNER
Contact Name:	MARK TELLSKA
Address1:	164 COLUMBIA TPKE
Address2:	Not reported
City:	RENSSELAER
State:	NY
Zip Code:	12144
Country Code:	001
Phone:	(518) 477-7577
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DJWEHN
Date Last Modified:	2021-12-08

Tank Info:

Tank Number:	1
Tank ID:	293150
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	20000
Install Date:	08/26/2021
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MJGRIFFI
Last Modified:	05/09/2022

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C02 - Pipe Location - Underground/On-ground

Tank Number:	2
Tank ID:	293151
Tank Status:	In Service
Material Name:	In Service

BARNETT MILL (Continued) **U004359981**

Capacity Gallons:	500
Install Date:	08/26/2021
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MJGRIFFI
Last Modified:	05/09/2022

Equipment Records:

A00 - Tank Internal Protection - None

A4 Target Property **BATH SPRINGS**
20 FORBES AVE
RENSSELAER, NY 12144

RCRA NonGen / NLR **1026834026**
NYR000249888

Site 4 of 5 in cluster A

Actual: 33 ft.

RCRA Listings:

Date Form Received by Agency:		20211228
Handler Name:	BATH SPRINGS	
Handler Address:		20 FORBES AVE
Handler City,State,Zip:		RENSSELAER, NY 12144
EPA ID:		NYR000249888
Contact Name:		MARK TELISKA
Contact Address:		COLUMBIA TPK
Contact City,State,Zip:		RENSSELAER, NY 12144
Contact Telephone:		518-365-4775
Contact Fax:		Not reported
Contact Email:		MTELISKA@PCS-NY.COM
Contact Title:		PARTNER
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R4
Mailing Address:		COLUMBIA TPK
Mailing City,State,Zip:		RENSSELAER, NY 12144
Owner Name:	BATH SPRINGS DEVELOPMENT LLC	
Owner Type:		Private
Operator Name:	BATH SPRINGS DEVELOPMENT LLC	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No

BATH SPRINGS (Continued) **1026834026**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20211228
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: BATH SPRINGS DEVELOPMENT LLC

BATH SPRINGS (Continued) **1026834026**

Legal Status: Private
Date Became Current: 20191220
Date Ended Current: Not reported
Owner/Operator Address: 20 FORBES AVE
Owner/Operator City,State,Zip: RENSSELAER, NY 12144
Owner/Operator Telephone: 518-365-4775
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: MTELISKA@PCS-NY.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: BATH SPRINGS DEVELOPMENT LLC
Legal Status: Private
Date Became Current: 20191220
Date Ended Current: Not reported
Owner/Operator Address: 20 FORBES AVE
Owner/Operator City,State,Zip: RENSSELAER, NY 12144
Owner/Operator Telephone: 518-365-4775
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: MTELISKA@PCS-NY.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: BATH SPRINGS DEVELOPMENT LLC
Legal Status: Private
Date Became Current: 20191220
Date Ended Current: Not reported
Owner/Operator Address: 166 COLUMBIA TPK
Owner/Operator City,State,Zip: RENSSELAER, NY 12144
Owner/Operator Telephone: 518-365-4775
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: MTELISKA@PCS-NY.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: BATH SPRINGS DEVELOPMENT LLC
Legal Status: Private
Date Became Current: 20191220
Date Ended Current: Not reported
Owner/Operator Address: 166 COLUMBIA TPK
Owner/Operator City,State,Zip: RENSSELAER, NY 12144
Owner/Operator Telephone: 518-365-4775
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: MTELISKA@PCS-NY.COM

Historic Generators:
Receive Date: 20211228
Handler Name: BATH SPRINGS
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes

BATH SPRINGS (Continued) **1026834026**

Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210407
Handler Name: BATH SPRINGS
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 237120
NAICS Description: OIL AND GAS PIPELINE AND RELATED STRUCTURES CONSTRUCTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A5
Target
Property
Actual:
33 ft.

BATH SPRINGS **ECHO** **1026850799**
20 FORBES AVE **N/A**
RENSSELAER, NY 12144

Site 5 of 5 in cluster A

ECHO:
Envid: 1026850799
Registry ID: 110071139612
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110071139612
Name: BATH SPRINGS
Address: 20 FORBES AVE
City,State,Zip: RENSSELAER, NY 12144

NPL
Region
NW
< 1/8
302 ft.

HUDSON RIVER PCBS **NPL** **1000384273**
NO STREET APPLICABLE **SEMS** **NYD980763841**
HUDSON RIVER, NY 12871 **RCRA-LQG**
US ENG CONTROLS
US INST CONTROLS
NY Spills
ROD
PRP
CONSENT

NPL:
EPA Region: 2
EPA ID: NYD980763841
Site ID: 202229

HUDSON RIVER PCBS (Continued) **1000384273**

Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
City,State,Zip:	HUDSON RIVER, NY 12871
Federal:	N
Final Date:	1984-09-21 00:00:00
Latitude:	43.1102
Longitude:	-73.5765
Site Score:	54.659999999999997
NAI:	Not reported
Native American Entity:	Not reported

Substance as of 08/2019:

NPL Status:	Currently on the Final NPL
Substance ID:	Not reported
CAS Number:	Not reported
Substance:	Not reported
Pathway:	Not reported
Scoring:	Not reported

NPL Status:	Currently on the Final NPL
Substance ID:	A046
CAS Number:	1336-36-3
Substance:	POLYCHLORINATED BIPHENYLS
Pathway:	AIR PATHWAY
Scoring:	4

NPL Status:	Currently on the Final NPL
Substance ID:	A046
CAS Number:	1336-36-3
Substance:	POLYCHLORINATED BIPHENYLS
Pathway:	SURFACE WATER PATHWAY
Scoring:	4

Summary Details:

Conditions at listing September 1983): The Hudson River PCBs Site is a 40-mile stretch of the Hudson River between Mechanicville and Fort Edward, New York. General Electric Co. discharged an estimated l.l million pounds of PCBs into this stretch of river. The State has identified 40 hot spots, defined as sediments contaminated with greater than 50 parts per million ppm) of PCBs. Also included in the site are five remnant areas, which are river sediments exposed when thelevel of the river was lowered due to removal of the Fort Edward Dam. The State has taken initial measures to stabili e the remnant areas from erosion. In September 1980, Congress passed an amendment to the Clean Water Act CWA) that included the Hudson River PCB Reclamation Demonstration Project. Under this legislation, the EPA Administrator could authori e a 75 percent grant, not to exceed 20 million. EPA issued a final Environmental Impact Statement in October 1982 evaluating various dredging alternatives for a demonstration project. EPA has prepared a feasibility study to evaluate alternative remedial actions under CERCLA. The Administrator has determined that CERCLA funds may be used for remedial action atthe remnant areas and for evaluating the effectiveness of the water supply system at Waterford, New York. Status June 1984): EPA has completed a draft feasibility study identifying alternatives for remedial action. A search for partiespotentially responsible for wastes associated with the site has been completed, and EPA has sent letters to two potentially responsible parties notifying them of possible legal action under CERCLA.

HUDSON RIVER PCBS (Continued) **1000384273**

Category as of 08/2019:
NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-<= 10 Feet
Category Value: 0

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

Narratives as of 08/2019:
NPL Name: HUDSON RIVER PCBS

Site as of 08/2019:
EPA Region: 02
Site ID: 0202229
Site Status: F
Federal Site: N
Date Deleted: Not reported
Date Finalized: 09/21/84
Date Proposed: 09/08/83

Site Status as of 08/2019:
Proposed Date: 09/08/1983
Final Date: 09/21/1984
Deleted Date: Not reported
NPL Status: Final

Narr:
Site Name: Hudson River PCBs
Site EPA ID: NYD980763841
Listing Date: 9/21/1984
Site Score: 54.66
Federal Facility Indicator: No
Site List URL: https://semspub.epa.gov/src/document/02/363560
Site Progress URL: https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0202229
Federal Register URL: https://semspub.epa.gov/src/document/11/189627
Site Location URL: https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=33cebcdfdd1b4c3a8b51d416956c41f1&query=Superfund_National_Priorities_List__NPL__Sites_with_Status_Information_7557,SITE_EPA_ID=%27NYD980763841%27

SEMS:
Site ID: 0202229
EPA ID: NYD980763841
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
Address 2: Not reported
City,State,Zip: HUDSON RIVER, NY 12871-2834
Cong District: 21
FIPS Code: 36115
Latitude: +43.110200
Longitude: -073.576500
FF: N
NPL: Currently on the Final NPL

HUDSON RIVER PCBS (Continued) **1000384273**

Non NPL Status: Not reported

SEMS Detail:

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1983-08-01 04:00:00
Finish Date:	1983-09-01 04:00:00
Qual:	H
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	TG
Action Name:	TA GRANT
SEQ:	1
Start Date:	1995-09-29 04:00:00
Finish Date:	2005-09-20 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	03
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	1999-10-06 04:00:00
Finish Date:	2001-09-14 04:00:00
Qual:	S
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	03
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	2

HUDSON RIVER PCBS (Continued) **1000384273**

Start Date: 1992-11-19 05:00:00
Finish Date: 1992-12-01 05:00:00
Qual: S
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 03
Action Code: RS
Action Name: RV ASSESS
SEQ: 4
Start Date: 1998-10-14 04:00:00
Finish Date: 1999-01-07 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: RD
Action Name: RD
SEQ: 2
Start Date: 1989-02-02 05:00:00
Finish Date: 1989-06-05 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: CO
Action Name: RI/FS
SEQ: 1
Start Date: 1984-03-30 06:00:00
Finish Date: 1984-09-25 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00

HUDSON RIVER PCBS (Continued) **1000384273**

Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1983-09-01 04:00:00
Finish Date:	1983-09-01 04:00:00
Qual:	L
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	1983-09-08 04:00:00
Finish Date:	1983-09-08 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	MA
Action Name:	ST COOP
SEQ:	2
Start Date:	1991-02-22 05:00:00
Finish Date:	2007-04-03 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	3
Start Date:	2005-11-07 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS

HUDSON RIVER PCBS (Continued) **1000384273**

NPL:	F
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1983-07-01 04:00:00
Finish Date:	1983-07-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	2
Start Date:	2002-03-25 05:00:00
Finish Date:	2006-11-02 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	CO
Action Name:	RI/FS
SEQ:	2
Start Date:	1990-07-25 04:00:00
Finish Date:	2002-02-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	1984-09-21 05:00:00
Finish Date:	1984-09-21 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02

HUDSON RIVER PCBS (Continued) **1000384273**

Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	1990-04-17 04:00:00
Finish Date:	1990-08-21 04:00:00
Qual:	S
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	1984-09-25 05:00:00
Finish Date:	1984-09-25 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	RO
Action Name:	ROD
SEQ:	2
Start Date:	2002-02-01 05:00:00
Finish Date:	2002-02-01 05:00:00
Qual:	R
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	1
Start Date:	1991-09-30 04:00:00
Finish Date:	Not reported
Qual:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 03
Action Code: RS
Action Name: RV ASSESS
SEQ: 3
Start Date: 1998-06-03 04:00:00
Finish Date: 1999-06-24 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: SS
Action Name: ESI RI
SEQ: 1
Start Date: 2002-06-30 04:00:00
Finish Date: 2005-08-31 04:00:00
Qual: W
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 1
Start Date: 2012-06-01 05:00:00
Finish Date: 2012-06-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: RA
Action Name: RA
SEQ: 2

HUDSON RIVER PCBS (Continued) **1000384273**

Start Date:	2008-05-09 04:00:00
Finish Date:	2009-11-24 05:00:00
Qual:	FR
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	RA
Action Name:	RA
SEQ:	3
Start Date:	2008-12-04 05:00:00
Finish Date:	2009-12-23 05:00:00
Qual:	FR
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	2
Start Date:	2016-03-29 05:00:00
Finish Date:	2019-04-11 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1992-04-24 04:00:00
Finish Date:	Not reported
Qual:	E
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00

HUDSON RIVER PCBS (Continued) **1000384273**

Action Code:	AR
Action Name:	ADMIN REC
SEQ:	2
Start Date:	2000-03-28 05:00:00
Finish Date:	Not reported
Qual:	V
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	01
Action Code:	BE
Action Name:	PRP RD
SEQ:	1
Start Date:	1989-05-18 04:00:00
Finish Date:	1991-01-07 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	01
Action Code:	BF
Action Name:	PRP RA
SEQ:	1
Start Date:	1989-10-13 04:00:00
Finish Date:	1992-09-29 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	EL
Action Name:	PRP CR
SEQ:	1
Start Date:	1989-07-07 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS

HUDSON RIVER PCBS (Continued) **1000384273**

NPL: F
FF: N
OU: 01
Action Code: BE
Action Name: PRP RD
SEQ: 2
Start Date: 1989-09-27 04:00:00
Finish Date: 1990-09-28 04:00:00
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 04
Action Code: BD
Action Name: PRP RI/FS
SEQ: 1
Start Date: 2008-09-08 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: BF
Action Name: PRP RA
SEQ: 2
Start Date: 1990-09-28 04:00:00
Finish Date: 1992-09-29 04:00:00
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: BE
Action Name: PRP RD
SEQ: 4
Start Date: 2003-08-14 04:00:00
Finish Date: 2008-01-25 05:00:00
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02

HUDSON RIVER PCBS (Continued) **1000384273**

Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: BE
Action Name: PRP RD
SEQ: 3
Start Date: 2002-07-23 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: BF
Action Name: PRP RA
SEQ: 4
Start Date: 2010-12-31 05:00:00
Finish Date: 2019-04-11 05:00:00
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: BF
Action Name: PRP RA
SEQ: 3
Start Date: 2005-09-06 04:00:00
Finish Date: 2012-09-04 05:00:00
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: BE
Action Name: PRP RD
SEQ: 6
Start Date: 2003-08-14 04:00:00
Finish Date: 2011-04-26 05:00:00
Qual: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: PJ
Action Name: RP EM REM
SEQ: 1
Start Date: 2007-08-24 04:00:00
Finish Date: 2007-08-27 04:00:00
Qual: C
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 04
Action Code: BB
Action Name: PRP RV
SEQ: 1
Start Date: 2007-09-11 04:00:00
Finish Date: 2012-04-10 04:00:00
Qual: S
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: OM
Action Name: OM
SEQ: 1
Start Date: 2019-04-11 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: RD
Action Name: RD
SEQ: 1

HUDSON RIVER PCBS (Continued) **1000384273**

Start Date:	1984-09-28 05:00:00
Finish Date:	1990-05-18 04:00:00
Qual:	Not reported
Current Action Lead:	St Perf

RCRA Listings:

Date Form Received by Agency:	20180215
Handler Name:	GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Handler Address:	446 LOCK 8 WAY
Handler City,State,Zip:	HUDSON FALLS, NY 12839
EPA ID:	NYD980763841
Contact Name:	ROBERT G GIBSON
Contact Address:	RIVER ROAD
Contact City,State,Zip:	SCHENECTADY, NY 12345
Contact Telephone:	518-388-7505
Contact Fax:	Not reported
Contact Email:	BOB.GIBSON@GE.COM
Contact Title:	SENIOR PROJECT MANAGER
EPA Region:	02
Land Type:	Other
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R5
Mailing Address:	RIVER ROAD
Mailing City,State,Zip:	SCHENECTADY, NY 12345
Owner Name:	SEE COMMENTS IN SECTION 18
Owner Type:	Other
Operator Name:	GENERAL ELECTRIC COMPANY
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20181106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008

HUDSON RIVER PCBS (Continued) **1000384273**

Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENERAL ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	20070423
Date Ended Current:	Not reported
Owner/Operator Address:	1 RIVER ROAD
Owner/Operator City,State,Zip:	SCHENECTADY, NY 12345
Owner/Operator Telephone:	518-388-7505
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENERAL ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	20070423
Date Ended Current:	Not reported
Owner/Operator Address:	9TH AVE SW
Owner/Operator City,State,Zip:	CALGARY T2P 4Z4
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CANADIAN PACIFIC RR
Legal Status:	Private
Date Became Current:	20070423
Date Ended Current:	Not reported
Owner/Operator Address:	9TH AVE SW
Owner/Operator City,State,Zip:	CALGARY T2P 4Z4
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GENERAL ELECTRIC COMPANY
Legal Status:	Private
Date Became Current:	20070423
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	USEPA
Legal Status:	Federal
Date Became Current:	20080604
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SEE SECTION 11 COMMENTS
Legal Status: State
Date Became Current: 20070502
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: NY
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SEE COMMENTS IN SECTION 18
Legal Status: Other
Date Became Current: 20070204
Date Ended Current: Not reported
Owner/Operator Address: 446 LOCK WAY
Owner/Operator City,State,Zip: HUDSON FALLS, NY 12839
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: WCC LLC
Legal Status: Private
Date Became Current: 20070402
Date Ended Current: Not reported
Owner/Operator Address: 67 WILLOW GLEN
Owner/Operator City,State,Zip: MECHANICVILLE, NY 12188
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GE HUDSON RIVER SEDIMENT REMEDIATION
Legal Status: Private
Date Became Current: 20070423
Date Ended Current: Not reported
Owner/Operator Address: 381 BROADWAY
Owner/Operator City,State,Zip: FORT EDWARD, NY 12828
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GENERAL ELECTRIC CO
Legal Status: Private

HUDSON RIVER PCBS (Continued) **1000384273**

Date Became Current: 20070402
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: GE HUDSON RIVER SEDIMENT REMEDIATION
Legal Status: Private
Date Became Current: 20070423
Date Ended Current: Not reported
Owner/Operator Address: 381 BROADWAY
Owner/Operator City,State,Zip: FORT EDWARD, NY 12828
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CANADIAN PACIFIC RAILROAD
Legal Status: Private
Date Became Current: 20070502
Date Ended Current: Not reported
Owner/Operator Address: 401 9TH AVE SW
Owner/Operator City,State,Zip: CALGARY, AB T2P4Z4
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100303
Handler Name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120301
Handler Name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

HUDSON RIVER PCBS (Continued) **1000384273**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140303
Handler Name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180215
Handler Name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20060101
Handler Name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Electronic Manifest Broker: Not reported

Receive Date: 20080829
Handler Name: HUDSON RIVER PCBS (ROGERS ISLAND) SUPERFUND USEPA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010101
Handler Name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

SIte:
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
Address 2: Not reported
City,State,Zip: HUDSON RIVER, NY 12871-2834
Event Code: Not reported
Action Taken Date: 02/01/2002
EPA ID: NYD980763841
Action Name: Record of Decision
Action ID: 2
Operable Unit: 02
Contaminated Media: Sediment
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N

HUDSON RIVER PCBS (Continued) **1000384273**

Fiscal Year: 2002
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +43.110200
Longitude: -073.576500

Media:
EPA ID: NYD980763841
Contaminated Media: Sediment
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/25/1984
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1984
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +43.110200
Longitude: -073.576500

EPA ID: NYD980763841
Contaminated Media: Sediment
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/25/1984
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1984
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +43.110200
Longitude: -073.576500

EPA ID: NYD980763841
Contaminated Media: Sediment
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/25/1984
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: N
Fiscal Year: 1984
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +43.110200
Longitude: -073.576500

HUDSON RIVER PCBS (Continued) **1000384273**

EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	09/25/1984
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	1984
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/01/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/01/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/01/2002

HUDSON RIVER PCBS (Continued) **1000384273**

Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

EPA ID:	NYD980763841
Contaminated Media:	Surface Water
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/01/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

EPA ID:	NYD980763841
Contaminated Media:	Surface Water
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/01/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

EPA ID:	NYD980763841
Contaminated Media:	Sediment
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	02/01/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002

HUDSON RIVER PCBS (Continued) **1000384273**

NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

US INST CONTROLS:

Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
Address 2:	Not reported
City,State,Zip:	HUDSON RIVER, NY 12871-2834
EPA ID:	NYD980763841
Action Name:	Record of Decision
Action ID:	2
Operable Unit:	02
Actual Date:	02/01/2002
Contaminated Media:	Surface Water
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	N
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+43.110200
Longitude:	-073.576500

SPILLS:

Name:	HUDSON RIVER
Address:	HUDSON RIVER
City,State,Zip:	OSSINING, NY
Spill Number/Closed Date:	0308107 / 2003-10-31
Facility ID:	0308107
Facility Type:	ER
DER Facility ID:	278391
Site ID:	237813
DEC Region:	3
Spill Cause:	Abandoned Drums
Spill Class:	D4
SWIS:	6000
Spill Date:	2003-10-31
Investigator:	rxamato
Referred To:	Not reported
Reported to Dept:	2003-10-31
CID:	297
Water Affected:	HUDSON RIVER
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-10-31

HUDSON RIVER PCBS (Continued) **1000384273**

Spill Record Last Update:	2003-11-06
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	PETTY OFFFICER HAWKINS
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SMITH 10/31/03: MEG hired by USCG to remove test and dispose. Container did not leak."
Remarks:	"CALL TO NRC REPORTING A 55 GALLON DRUM OF UNKNOWN PETROLEUM FLOATING - USCG IS REPOSNDING TO THE SITE"

All Materials:

Site ID:	237813
Operable Unit ID:	874400
Operable Unit:	01
Material ID:	501630
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	55.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

ROD:

Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
City,State,Zip:	HUDSON RIVER, NY 12871
EPA ID:	NYD980763841
RG:	2
Site ID:	202229
Action:	GOVT Decision Document (ROD)
Operable Unit Number:	REMNANT DEPOSIT CAPPING
SEQ ID:	1
Action Completion:	1984-09-25 00:00:00
NPL Status:	Final
Non NPL Status:	Not reported

Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
City,State,Zip:	HUDSON RIVER, NY 12871
EPA ID:	NYD980763841
RG:	2
Site ID:	202229
Action:	GOVT Decision Document (ROD)
Operable Unit Number:	REASSESSMENT RIVER
SEQ ID:	2
Action Completion:	2002-02-01 00:00:00
NPL Status:	Final
Non NPL Status:	Not reported

PRP:

PRP Name:	DELAWARE AND HUDSON RAILWAY CO INC GENERAL ELECTRIC COMPANY

HUDSON RIVER PCBS (Continued) **1000384273**

GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
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GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GOLUB PROPERTIES OF WATERVLIET INC
NEW YORK STATE CANAL CORPORATION
NIAGARA MOHAWK POWER COMPANY
TOWN OF HALFMOON NEW YORK
VILLAGE OF STILLWATER
WATER COMMISSIONERS OF THE TOWN OF WATERFORD

CONSENT:

EPA ID:	NYD980763841
Site ID:	0284
Case Title:	U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num:	05-1270
District:	New York, North
Entered Date:	11/02/06
Name:	HUDSON RIVER PCBS
Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
City,State,Zip:	HUDSON RIVER, NY 12801
County:	WASHINGTON

EPA ID:	NYD980763841
Site ID:	0284
Case Title:	U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num:	05-1270
District:	New York, North
Entered Date:	11/02/06
Name:	HUDSON RIVER PCBS
Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
City,State,Zip:	HUDSON RIVER, NY 12801
County:	WASHINGTON

EPA ID:	NYD980763841
Site ID:	0284
Case Title:	U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num:	05-1270
District:	New York, North
Entered Date:	11/02/06
Name:	HUDSON RIVER PCBS
Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
City,State,Zip:	HUDSON RIVER, NY 12801
County:	WASHINGTON

EPA ID:	NYD980763841
Site ID:	Not reported
Case Title:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Court Num:	Not reported
District:	Not reported
Entered Date:	Not reported
Name:	US V. GENERAL ELECTRIC COMPANY
Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
City,State,Zip:	HUDSON RIVER, NY 12801
County:	WASHINGTON
EPA ID:	NYD980763841
Site ID:	0284
Case Title:	U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num:	05-1270
District:	New York, North
Entered Date:	11/02/06
Name:	HUDSON RIVER PCBS
Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
City,State,Zip:	HUDSON RIVER, NY 12801
County:	WASHINGTON

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6 **STEPHAN RES BELLVIEW TERR** **NY Spills** **S108129444**
SSE **50 BELLVIEW TERR** **N/A**
< 1/8 **RENSSELAER, NY**
0.074 mi.
393 ft.

Relative: **Higher**

Actual: **90 ft.**

SPILLS:

Name:	STEPHAN RES BELLVIEW TERR
Address:	50 BELLVIEW TERR
City,State,Zip:	RENSSELAER, NY
Spill Number/Closed Date:	0604935 / 2006-08-02
Facility ID:	0604935
Facility Type:	ER
DER Facility ID:	317983
Site ID:	368021
DEC Region:	4
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	4214
Spill Date:	2006-07-31
Investigator:	weblain
Referred To:	Not reported
Reported to Dept:	2006-07-31
CID:	409
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2006-07-31
Spill Record Last Update:	2007-03-20
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN] STEPHAN

STEPHAN RES BELLVIEW TERR (Continued) **S108129444**

Spiller Address: UNKNOWN
Spiller Company: 999
Contact Name: RICHARD STEPHAN
DEC Memo: "blain telecon Stephan. Heat expansion caused oil to expand out of fillpipe. Checked for water in tank. Found none."
Remarks: "CLEAN UP IN PROCESS. UNDERGROUND TANK THAT IS LEAKING AND THE OIL GOT INTO THE GARDENS."

All Materials:
Site ID: 368021
Operable Unit ID: 1125913
Operable Unit: 01
Material ID: 2115438
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 2.00
Units: G
Recovered: .00
Oxygenate: Not reported

---

7 **AUSTIN GARAGE** **EDR Hist Auto** **1014930753**
South **0 WASHINGTON AVE** **N/A**
< 1/8 **RENSSELAER, NY**
0.081 mi.
430 ft.

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
66 ft. 1960 AUSTIN GARAGE AUTOMOBILE GARAGES

---

8 **38 WASHINGTON AVENUE** **US BROWNFIELDS** **1016951901**
SSE **38 WASHINGTON AVENUE** **N/A**
1/8-1/4 **RENSSELAER, NY 12144**
0.125 mi.
662 ft.

Relative: US BROWNFIELDS:
Higher
Name: 38 WASHINGTON AVENUE
Actual: Address: 38 WASHINGTON AVENUE
109 ft. City,State,Zip: RENSSELAER, NY 12144
Recipient Name: Rensselaer, City of
Grant Type: Assessment
Property Number: 133.78-1-5
Parcel size: 0.05
Latitude: 42.657359
Longitude: -73.732059
HCM Label: Address Matching-House Number
Map Scale: -
Point of Reference: Entrance Point of a Facility or Station
Highlights: Former Use: Residential property
Datum: North American Datum of 1983
Acres Property ID: 176783
IC Data Access: -

38 WASHINGTON AVENUE (Continued) **1016951901**

Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	7000
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97249407
Start Date:	7/1/2014
Ownership Entity:	-
Completion Date:	9/29/2014
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-

38 WASHINGTON AVENUE (Continued) **1016951901**

PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Residential property
Below Poverty Number:	424
Below Poverty Percent:	16.03
Meidan Income:	34098

38 WASHINGTON AVENUE (Continued) **1016951901**

Meidan Income Number:	1030
Meidan Income Percent:	38.94
Vacant Housing Number:	111
Vacant Housing Percent:	8.83
Unemployed Number:	100
Unemployed Percent:	3.78

---

9 **THIRD STREET CITGO** **NY UST** **U001845112**
SSE **1647 A 3RD ST** **N/A**
1/8-1/4 **RENSSELAER, NY 12144**
0.184 mi.
974 ft.

Relative:
Higher

Actual:
136 ft.

UST:

Name:	THIRD STREET CITGO
Address:	1647 A 3RD ST
City,State,Zip:	RENSSELAER, NY 12144
Id/Status:	4-087351 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	4
Expiration Date:	N/A
UTM X:	603994.09545
UTM Y:	4723461.29155
Site Type:	Unknown

Affiliation Records:

Site Id:	35565
Affiliation Type:	Facility Owner
Company Name:	GEORGE T GRAY
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	RD 1 BOX 299B
Address2:	Not reported
City:	RENSSELAER
State:	NY
Zip Code:	12144
Country Code:	001
Phone:	(518) 286-3367
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	35565
Affiliation Type:	Mail Contact
Company Name:	GEORGE T GRAY
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	RD 1 BOX 299B
Address2:	Not reported
City:	RENSSELAER
State:	NY
Zip Code:	12144
Country Code:	001
Phone:	(518) 286-3367
EMail:	Not reported
Fax Number:	Not reported

THIRD STREET CITGO (Continued) **U001845112**

Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	35565
Affiliation Type:	Facility Operator
Company Name:	THIRD STREET CITGO
Contact Type:	Not reported
Contact Name:	GEORGE T GRAY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 286-3367
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	35565
Affiliation Type:	Emergency Contact
Company Name:	GEORGE T GRAY
Contact Type:	Not reported
Contact Name:	DAVID GRAY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 463-5320
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	001
Tank ID:	92840
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	2000
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MJGRIFFI

THIRD STREET CITGO (Continued) **U001845112**

Last Modified: 05/09/2022

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number: 002
Tank ID: 92841
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MJGRIFFI
Last Modified: 05/09/2022

Equipment Records:

J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
H00 - Tank Leak Detection - None

B10 **JELLIFF CORP** **NY Spills** **1000284881**
SW **5 FORBES RD** **RCRA NonGen / NLR** **NYD096932108**
1/8-1/4 **RENSSELAER, NY 12144** **FINDS**
0.211 mi. **ECHO**
1115 ft. **Site 1 of 3 in cluster B** **NY MANIFEST**

Relative: **Lower**
Actual: **27 ft.**

SPILLS:
Name: JELLIFF CORP HUDSON RIVER FORBES RD
Address: 5 FORBES RD HUDSON RIVER
City,State,Zip: RENSSELAER, NY
Spill Number/Closed Date: 8806485 / 1995-10-20
Facility ID: 8806485
Facility Type: ER
DER Facility ID: 188726

JELLIFF CORP (Continued) **1000284881**

Site ID:	228893
DEC Region:	4
Spill Cause:	Unknown
Spill Class:	B2
SWIS:	4214
Spill Date:	1988-11-02
Investigator:	ANGEISEN
Referred To:	Not reported
Reported to Dept:	1988-11-02
CID:	Not reported
Water Affected:	HUDSON RIVER $
Spill Source:	Commercial/Industrial
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1996-09-09
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1988-11-03
Spill Record Last Update:	2014-07-11
Spiller Name:	Not reported
Spiller Company:	THE C.O. JELLIFF CORP. (LATER HILTON IND PK)
Spiller Address:	5 FORBES RD
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GEISENDORFER SEE FILE (THICK FOLDER, Edocs). PBS 4-443514; 8202013, 8602120, 8701013, 8806485, 9516418, 9805964, 9901711, 0804418, 1300591. tHERE EXISTS AN OLD 10K TANK ONSITE. IT WAS USED TO HOLD COTTONSEED OIL, AND ERRONEOUSLY ID'D AS A PBS TANK. NO OIL HAS EXITED THROUGH THEIR SPDES DISCHARGE POINT FOR FIVE OR MORE YEARS. PBS TANKS REMOVED."
Remarks:	"HYDRAULIC OIL ENTERING HUDSON R. MCDONALD SPOT CHECKED, FOUND OIL IN STORM SEWER NEXT TO JELLIFF CORP.(KET). DOMERMUTH CONTRACTOR."

All Materials:

Site ID:	228893
Operable Unit ID:	921639
Operable Unit:	01
Material ID:	454822
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	300.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

RCRA Listings:

Date Form Received by Agency:		20070101
Handler Name:	JELLIFF CORP	
Handler Address:		5 FORBES RD
Handler City,State,Zip:		RENSSELAER, NY 12144-1619
EPA ID:		NYD096932108

JELLIFF CORP (Continued) **1000284881**

Contact Name:		Not reported
Contact Address:		FORBES RD
Contact City,State,Zip:		RENSSELAER, NY 12144
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R4
Mailing Address:		FORBES RD
Mailing City,State,Zip:		RENSSELAER, NY 12144
Owner Name:	JELLIFF CORPORATION	
Owner Type:		Municipal
Operator Name:	JELLIFF CORPORATION	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No

JELLIFF CORP (Continued) **1000284881**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JELLIFF CORPORATION	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JELLIFF CORPORATION	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: JELLIFF CORPORATION	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported

JELLIFF CORP (Continued) **1000284881**

Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, WY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19990708
Handler Name: JELLIFF CORP
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: JELLIFF CORP
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: JELLIFF CORP
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19881104
Handler Name: JELLIFF CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

JELLIFF CORP (Continued) **1000284881**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported

JELLIFF CORP (Continued) **1000284881**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19941006
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYCVR
Evaluation Responsible Sub-Organization: R4
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930429
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYGJN
Evaluation Responsible Sub-Organization: R4
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

FINDS:

JELLIFF CORP (Continued) **1000284881**

Registry ID: 110004376210

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000284881
Registry ID:	110004376210
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004376210
Name:	JELLIFF CORP
Address:	5 FORBES RD
City,State,Zip:	RENSSELAER, NY 12144

NY MANIFEST:

Name:	JELLIFF CORP
Address:	5 FORBES RD
City,State,Zip:	RENSSELAER, NY 12144-1619
Country:	USA
EPA ID:	NYD096932108
Facility Status:	Not reported
Location Address 1:	5 FORBES AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	RENSSELAER
Location State:	NY
Location Zip:	12144
Location Zip 4:	1619

NY MANIFEST:

EPAID:	NYD096932108
Mailing Name:	JELLIFF CORP
Mailing Contact:	JOHN LEWIS
Mailing Address 1:	5 FORBES AVE
Mailing Address 2:	Not reported
Mailing City:	RENSSELAER
Mailing State:	NY
Mailing Zip:	12144
Mailing Zip 4:	1619
Mailing Country:	USA
Mailing Phone:	5184497091

B11
SW
1/8-1/4
0.211 mi.
1115 ft.

JELLIFF CORP.
5 FORBES RD
RENSSELAER, NY 12144

Site 2 of 3 in cluster B

NY UST U003076354
NY AST N/A

Relative:
Lower

Actual:
27 ft.

UST:

Name:	JELLIFF CORP.
Address:	5 FORBES RD
City,State,Zip:	RENSSELAER, NY 12144
Id/Status:	4-443514 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	4
Expiration Date:	N/A
UTM X:	603659.72226
UTM Y:	4723448.28133
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	36973
Affiliation Type:	Facility Owner
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	354 PEQUOT AVE.
Address2:	Not reported
City:	SOUTHPORT
State:	CT
Zip Code:	06490
Country Code:	001
Phone:	(518) 449-7090
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	36973
Affiliation Type:	Mail Contact
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	MR. R.M. KELLY-PRESIDENT
Address1:	354 PEQUOT AVE.
Address2:	P.O. BOX 758
City:	SOUTHPORT
State:	CT
Zip Code:	06490
Country Code:	001
Phone:	(203) 259-1615
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	36973
Affiliation Type:	Facility Operator
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	JELLIFF CORP.
Address1:	Not reported

JELLIFF CORP. (Continued) **U003076354**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 449-7090
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	36973
Affiliation Type:	Emergency Contact
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	JOHN LEWIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 477-2337
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	1
Tank ID:	91493
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	550
Install Date:	12/01/1979
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	10/11/2016
Pipe Model:	Not reported
Modified By:	MJGRIFFI
Last Modified:	05/09/2022

Equipment Records:

H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

JELLIFF CORP. (Continued) **U003076354**

D10 - Pipe Type - Copper
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

AST:

Name:	JELLIFF CORP.
Address:	5 FORBES RD
City,State,Zip:	RENSSELAER, NY 12144
Region:	STATE
DEC Region:	4
Site Status:	Unregulated/Closed
Facility Id:	4-443514
Program Type:	PBS
UTM X:	603659.72226
UTM Y:	4723448.28133
Expiration Date:	N/A
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	36973
Affiliation Type:	Facility Owner
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	354 PEQUOT AVE.
Address2:	Not reported
City:	SOUTHPORT
State:	CT
Zip Code:	06490
Country Code:	001
Phone:	(518) 449-7090
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	36973
Affiliation Type:	Mail Contact
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	MR. R.M. KELLY-PRESIDENT
Address1:	354 PEQUOT AVE.
Address2:	P.O. BOX 758
City:	SOUTHPORT
State:	CT
Zip Code:	06490
Country Code:	001
Phone:	(203) 259-1615
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	36973
Affiliation Type:	Facility Operator
Company Name:	JELLIFF CORP.

JELLIFF CORP. (Continued) **U003076354**

Contact Type:	Not reported
Contact Name:	JELLIFF CORP.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 449-7090
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	36973
Affiliation Type:	Emergency Contact
Company Name:	JELLIFF CORP.
Contact Type:	Not reported
Contact Name:	JOHN LEWIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 477-2337
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	2
Tank Id:	91494
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	G00 - Tank Secondary Containment - None
	J02 - Dispenser - Suction Dispenser
	A00 - Tank Internal Protection - None
	B00 - Tank External Protection - None
	C00 - Pipe Location - No Piping
	F00 - Pipe External Protection - None
	H00 - Tank Leak Detection - None
	D10 - Pipe Type - Copper
	I04 - Overfill - Product Level Gauge (A/G)
Tank Location:	Partially buried tank (tank with 10% or more below ground).... Tank is less than 90% above grade, partially buried.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	12/01/1982
Capacity Gallons:	1000
Tightness Test Method:	NN

JELLIFF CORP. (Continued) **U003076354**

Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	09/01/1993
Register:	True
Modified By:	MJGRIFFI
Last Modified:	05/09/2022
Material Name:	#2 fuel oil (on-site consumption)
Tank Number:	3
Tank Id:	91495
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	01/01/1993
Register:	True
Modified By:	MJGRIFFI
Last Modified:	05/09/2022
Material Name:	other

B12 **9 TRACY ST** **US BROWNFIELDS** **1016447303**
SSW **9 TRACY ST** **FINDS** **N/A**
1/8-1/4 **RENSSELAER, NY 12144**
0.219 mi.
1157 ft. **Site 3 of 3 in cluster B**

Relative:
Higher

Actual:
33 ft.

US BROWNFIELDS:

Name:	9 TRACY ST
Address:	9 TRACY ST
City,State,Zip:	RENSSELAER, NY 12144
Recipient Name:	Rensselaer, City of
Grant Type:	Assessment
Property Number:	133.77-3-8
Parcel size:	0.09
Latitude:	42.656324
Longitude:	-73.734942
HCM Label:	Address Matching-House Number

9 TRACY ST (Continued) **1016447303**

Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	153983
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	3000
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97249507
Start Date:	5/11/2012
Ownership Entity:	-
Completion Date:	11/30/2012
Current Owner:	-
Did Owner Change:	-
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-

9 TRACY ST (Continued) **1016447303**

Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-

9 TRACY ST (Continued) **1016447303**

Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	-
Below Poverty Number:	480
Below Poverty Percent:	16.6
Meidan Income:	33150
Meidan Income Number:	1170
Meidan Income Percent:	40.47
Vacant Housing Number:	109
Vacant Housing Percent:	8.24
Unemployed Number:	112
Unemployed Percent:	3.87

FINDS:
Registry ID: 110056252969

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C13 **FORBES AVE PUMP STATION** **NY UST** **U001844939**
SW **FORBES AVE** **N/A**
1/8-1/4 **RENSSELAER, NY 12144**
0.237 mi.
1249 ft. **Site 1 of 3 in cluster C**

Relative: **Lower**

Actual: **25 ft.**

UST:

Name:	FORBES AVE PUMP STATION
Address:	FORBES AVE
City,State,Zip:	RENSSELAER, NY 12144
Id/Status:	4-050245 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	4
Expiration Date:	11/14/2026
UTM X:	603634.95284
UTM Y:	4723426.15119
Site Type:	Other

Affiliation Records:

Site Id:	35207
Affiliation Type:	Emergency Contact
Company Name:	RENSSELAER COUNTY SEWER DIST 1
Contact Type:	Not reported
Contact Name:	OPERATIONS PERSONNEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(518) 283-4577
EMail:	Not reported

FORBES AVE PUMP STATION (Continued) **U001844939**

Fax Number:	Not reported
Modified By:	rjschowe
Date Last Modified:	2004-05-17

Site Id:	35207
Affiliation Type:	Facility Operator
Company Name:	FORBES AVE PUMP STATION
Contact Type:	Not reported
Contact Name:	RENSSELAER COUNTY SEWER DIST 1
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 283-4577
EMail:	Not reported
Fax Number:	Not reported
Modified By:	rjschowe
Date Last Modified:	2004-05-17

Site Id:	35207
Affiliation Type:	Facility Owner
Company Name:	RENSSELAER COUNTY SEWER DIST 1
Contact Type:	DIRECTOR OF OPERATIONS AND MAINTENANCE
Contact Name:	JASON WHEELER
Address1:	COUNTY OFFICE BLDG 1600 7TH AV
Address2:	Not reported
City:	TROY
State:	NY
Zip Code:	12180
Country Code:	001
Phone:	(518) 283-2235
EMail:	JWHEELER@RENSCO.COM
Fax Number:	Not reported
Modified By:	JDUTBERG
Date Last Modified:	2016-01-12

Site Id:	35207
Affiliation Type:	Mail Contact
Company Name:	RENSSELAER COUNTY SEWER DIST 1
Contact Type:	DIRECTOR OF OPERATIONS AND MAINTENANCE
Contact Name:	JASON WHEELER
Address1:	COUNTY OFFICE BLDG 1600 7TH AV
Address2:	Not reported
City:	TROY
State:	NY
Zip Code:	12180
Country Code:	001
Phone:	(518) 283-2235
EMail:	JWHEELER@RENSCO.COM
Fax Number:	Not reported
Modified By:	JDUTBERG
Date Last Modified:	2016-01-12

Tank Info:

FORBES AVE PUMP STATION (Continued) **U001844939**

Tank Number:	001
Tank ID:	97715
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	2000
Install Date:	08/01/1998
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MJGRIFFI
Last Modified:	05/09/2022

Equipment Records:

F05 - Pipe External Protection - Jacketed
A99 - Tank Internal Protection - Other
J02 - Dispenser - Suction Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I01 - Overfill - Float Vent Valve
L09 - Piping Leak Detection - Exempt Suction Piping
D08 - Pipe Type - Equivalent Technology
B04 - Tank External Protection - Fiberglass
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number:	1
Tank ID:	85511
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	3000
Install Date:	01/01/1976
Date Tank Closed:	08/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	03
Date Test:	06/01/1992
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MJGRIFFI
Last Modified:	05/09/2022

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron

FORBES AVE PUMP STATION (Continued) **U001844939**

H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I04 - Overfill - Product Level Gauge (A/G)

C14 **POLSINELLO TERMINAL INC.** **NY MOSF** **S108413501**
SW **FORBES & TRACY STREETS** **N/A**
1/8-1/4 **RENSSELAER, NY 12144**
0.237 mi.
1251 ft. **Site 2 of 3 in cluster C**

Relative: MOSF:
Lower

Name:	POLSINELLO TERMINAL INC.
Address:	FORBES & TRACY STREETS
City,State,Zip:	RENSSELAER, NY 12144
Facility ID:	4-1620
Program Type:	MOSF
Tank Status:	Inactive
Expiration Date:	Not reported
Dec Region:	4
UTMX:	603635.27003
UTMY:	4723425.34993

Actual:
25 ft.

C15 **CITY OF RENSSELAER** **RCRA NonGen / NLR** **1008404412**
SSW **6 TRACY ST** **NYR000133991**
1/8-1/4 **RENSSELAER, NY 12144**
0.246 mi.
1299 ft. **Site 3 of 3 in cluster C**

Relative: RCRA Listings:
Lower

Date Form Received by Agency:		20170525
Handler Name:	CITY OF RENSSELAER	
Handler Address:		6 TRACY ST
Handler City,State,Zip:		RENSSELAER, NY 12144
EPA ID:		NYR000133991
Contact Name:		JAY H HANNAN
Contact Address:		PO BOX 306
Contact City,State,Zip:		WYNANTSKILL, NY 12198
Contact Telephone:		518-469-9617
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Municipal
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R4
Mailing Address:		PO BOX 306
Mailing City,State,Zip:		WYNANTSKILL, NY 12198
Owner Name:	Not reported	

Actual:
28 ft.

CITY OF RENSSELAER (Continued) **1008404412**

Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:	Not reported	
Handler Date of Last Change:		20170612
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

CITY OF RENSSELAER (Continued) **1008404412**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: HANNANS WASTE DISPOSAL
Legal Status: Private
Date Became Current: 19990901
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JAY HANNAN
Legal Status: Private
Date Became Current: 19990901
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060101
Handler Name: HANNANS WASTE DISPOSAL LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20071002
Handler Name: CITY OF RENSSELAER
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20071001

CITY OF RENSSELAER (Continued) **1008404412**

Handler Name: CITY OF RENSSELAER
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20170525
Handler Name: CITY OF RENSSELAER
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20050829
Handler Name: HANNANS WASTE DISPOSAL LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56211
NAICS Description: WASTE COLLECTION

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Listing - General
Date Violation was Determined: 20070820
Actual Return to Compliance Date: 20080714
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20071030
Enforcement Responsible Agency: State
Enforcement Docket Number: R420070914119
Enforcement Attorney: J.P.

CITY OF RENSSELAER (Continued) **1008404412**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	20080714
Disposition Status:	DR
Disposition Status Description:	DROPPED
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	NYHBR
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	500
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Listing - General
Date Violation was Determined:	20070820
Actual Return to Compliance Date:	20080714
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20071030
Enforcement Responsible Agency:	State
Enforcement Docket Number:	R420070914119
Enforcement Attorney:	J.P.
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	20080714
Disposition Status:	DR
Disposition Status Description:	DROPPED
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	NYHBR
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

CITY OF RENSSELAER (Continued) **1008404412**

Proposed Amount:	500
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20070821
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20080714
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CITY OF RENSSELAER (Continued) **1008404412**

Evaluation Date:	20070820
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20080714
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20080714
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	NYTLR
Evaluation Responsible Sub-Organization:	CO
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

16
SSW
1/8-1/4
0.249 mi.
1314 ft.

1523-1549 BROADWAY
1523-1549 BROADWAY
RENSSELAER, NY 12144

US BROWNFIELDS **1016447302**
FINDS **N/A**

Relative:
Higher

Actual:
38 ft.

US BROWNFIELDS:

Name:	1523-1549 BROADWAY
Address:	1523-1549 BROADWAY
City,State,Zip:	RENSSELAER, NY 12144
Recipient Name:	Rensselaer, City of
Grant Type:	Assessment
Property Number:	133.77-9-2
Parcel size:	0.42
Latitude:	42.6560376
Longitude:	-73.7346726
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	153982
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	3000
Assessment Funding Source:	EPA

1523-1549 BROADWAY (Continued) **1016447302**

Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97249507
Start Date:	5/11/2012
Ownership Entity:	Government
Completion Date:	11/30/2012
Current Owner:	City of Rensselaer
Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-

1523-1549 BROADWAY (Continued) **1016447302**

VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	-
Below Poverty Number:	512
Below Poverty Percent:	16.81
Meidan Income:	33150
Meidan Income Number:	1241
Meidan Income Percent:	40.74
Vacant Housing Number:	114
Vacant Housing Percent:	8.22
Unemployed Number:	119
Unemployed Percent:	3.91

1523-1549 BROADWAY (Continued) **1016447302**

FINDS:
Registry ID: 110056252950

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

17
West
1/4-1/2
0.379 mi.
2000 ft.

CHANDLER PLT **FUDS** **1024899229**
N/A

NO CITY, NY

Relative:
Lower

Actual:
9 ft.

FUDS:

EPA Region:	02
Installation ID:	NY29799F113900
Congressional District Number:	20
Name:	CHANDLER PLT
FUDS Number:	C02NY0598
City:	NO CITY
State:	NY
County:	ALBANY
Object ID:	6455
USACE Division:	nad
USACE District:	nae
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=57909
Eligibility:	Ineligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	Between 1945 and 1948, the Linde Air Products Company developed and produced non-radioactive material under contract for the U. S. Army Service Forces Manhattan Engineer District (MED), and the Atomic Energy Commission (AEC). Based on the FDE, the site The buildings and open property are currently utilized for the storage and dismantling of used mechanical equipment.
Project Required:	No
Feature Description:	Not reported
Latitude:	42.65888889
Longitude:	-73.74027778

18
West
1/4-1/2
0.412 mi.
2173 ft.

ALBANY STO YARD **FUDS** **1024899214**
N/A

ALBANY, NY

Relative:
Lower

Actual:
14 ft.

FUDS:

EPA Region:	02
Installation ID:	NY29799F112000
Congressional District Number:	20
Name:	ALBANY STO YARD
FUDS Number:	C02NY0578
City:	ALBANY
State:	NY
County:	ALBANY
Object ID:	3585
USACE Division:	nad
USACE District:	nae
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=59101
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	During Department of the Defense usage, the Department of the Army used a portion of the site as its regional office location for the U.S. Army Corps of Engineers. The remainder of the site was used as a dock.
Project Required:	No
Feature Description:	Not reported
Latitude:	42.66
Longitude:	-73.74083333

19
SE
1/4-1/2
0.443 mi.
2337 ft.

THE HOLLOW **US BROWNFIELDS** **1014903318**
THIRD STREET **N/A**
RENSSELAER, NY 12144

Relative:
Higher

Actual:
72 ft.

US BROWNFIELDS:

Name:	THE HOLLOW
Address:	THIRD STREET
City,State,Zip:	RENSSELAER, NY 12144
Recipient Name:	Rensselaer, City of
Grant Type:	Assessment
Property Number:	144.22-4-1, 144.30-1-1, 133.71-9-11, 133.78-8-1
Parcel size:	60
Latitude:	42.65515
Longitude:	-73.726
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	The site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as The Hollow. The site consists of steep ridges on either side of the Quackenderry Creek valley and is mostly wooded land. The Quackenderry Creek is a tributary of the Hudson River, which is located approximately one-half mile west of the site. The site was part of what was known as Rensselaerwyck Manor, a large feudal landholding

THE HOLLOW (Continued) **1014903318**

established by Kiliaen Van Rensselaer in 1629 (Fraser and Associates, 2009). An 11 acre section of the Site was used as the Rensselaerwyck Rifle Range from approximately 1894 to 1938. A concrete bunker in the former rifle range remains on the property. There are also remains of the former main guard shed on the site. The site is in a residential area of Rensselaer, and is owned by the City. Residents of the City sometimes use the site for bird watching. The Phase I ESA conducted at the site (Malcolm Pirnie [ARCADIS], 2011) identified evidence of recognized environmental conditions associated with the site as defined by the American Society for Testing and Materials (ASTM) Standard E 1527-05 guideline for Phase I ESAs. Recognized environmental conditions (RECs) identified in the Phase I ESA include: The use of the property as a small-arms firing range for almost 50 years; Newhall Chain and Forge and Iron Company, depicted on the corner of Seventh Street and Dale on the 1925, 1949, and 1967 Sanborn maps; W.J. La Grange, depicted on the 1925, 1949, and 1967 Sanborn maps appears to have been a machine shop with two garages that borders the southwestern edge of the site near Garden Place; The automobile repair shop that borders the western edge of the site at 1578 Fifth Street on the 1925, 1949 and 1967 Sanborn maps; and Solid waste along the western embankment of the site. Copper and lead exceeded Restricted Residential Use Standards in at least one surface or subsurface soil sample on the bunker hill. The Phase II ESA has sufficiently characterized the bunker hill to develop conceptual remedial alternatives. Based on the results of TCLP testing, soil in the bunker hill has been determined to be a characteristic hazardous waste due to lead (Waste Code D002). Former Use: The Site is located in the northeastern portion of the City of Rensselaer City, Rensselaer County, New York. The western edge of the Site borders City streets from Fourth Street to Tenth Street. The Site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as the Hollow. The Site consists of steep ridges on either side of the Quackenderry Creek valley and is mostly wooded land. The Quackenderry Creek is a tributary of the Hudson River, which is located approximately one-half mile west of the Site. The Site was part of what was known as Rensselaerwyck Manor, a large feudal landholding established by Kiliaen Van Rensselaer in 1629 Fraser and Associates 2009. An 11 acre section of the Site was used as the Rensselaerwyck Rifle Range from approximately 1894 to 1938. A concrete bunker in the former rifle range remains on the property. There are also remains of the former main guard shed on the Site. There is graffiti on the concrete bunker. The Site is in a residential area of Rensselaer, and is owned by the City. Residents of the City sometimes use the Site for bird watching.

Datum:	North American Datum of 1983
Acres Property ID:	132517
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	5500
Assessment Funding Source:	EPA
Redevelopment Funding:	-

THE HOLLOW (Continued) **1014903318**

Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97249507
Start Date:	4/25/2011
Ownership Entity:	Government
Completion Date:	5/31/2011
Current Owner:	City of Rensselaer
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-

THE HOLLOW (Continued) **1014903318**

VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The Site is located in the northeastern portion of the City of Rensselaer City, Rensselaer County, New York. The western edge of the Site borders City streets from Fourth Street to Tenth Street. The Site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as the Hollow. The Site consists of steep ridges on either side of the Quackenderry Creek valley and is mostly wooded land. The Quackenderry Creek is a tributary of the Hudson River, which is located approximately one-half mile west of the Site. The Site was part of what was known as Rensselaerwyck Manor, a large feudal landholding established by Kiliaen Van Rensselaer in 1629 Fraser and Associates 2009. An 11 acre section of the Site was used as the Rensselaerwyck Rifle Range from approximately 1894 to 1938. A concrete bunker in the former rifle

THE HOLLOW (Continued) **1014903318**

range remains on the property. There are also remains of the former main guard shed on the Site. There is graffiti on the concrete bunker. The Site is in a residential area of Rensselaer, and is owned by the City. Residents of the City sometimes use the Site for bird watching.

Below Poverty Number:	326
Below Poverty Percent:	14.82
Meidan Income:	21602
Meidan Income Number:	820
Meidan Income Percent:	37.27
Vacant Housing Number:	98
Vacant Housing Percent:	9.06
Unemployed Number:	81
Unemployed Percent:	3.68

Name:	THE HOLLOW
Address:	THIRD STREET
City,State,Zip:	RENSSELAER, NY 12144
Recipient Name:	Rensselaer, City of
Grant Type:	Assessment
Property Number:	144.22-4-1, 144.30-1-1, 133.71-9-11, 133.78-8-1
Parcel size:	60
Latitude:	42.65515
Longitude:	-73.726
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	The site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as The Hollow. The site consists of steep ridges on either side of the Quackenderry Creek valley and is mostly wooded land. The Quackenderry Creek is a tributary of the Hudson River, which is located approximately one-half mile west of the site. The site was part of what was known as Rensselaerwyck Manor, a large feudal landholding established by Kiliaen Van Rensselaer in 1629 (Fraser and Associates, 2009). An 11 acre section of the Site was used as the Rensselaerwyck Rifle Range from approximately 1894 to 1938. A concrete bunker in the former rifle range remains on the property. There are also remains of the former main guard shed on the site. The site is in a residential area of Rensselaer, and is owned by the City. Residents of the City sometimes use the site for bird watching. The Phase I ESA conducted at the site (Malcolm Pirnie [ARCADIS], 2011) identified evidence of recognized environmental conditions associated with the site as defined by the American Society for Testing and Materials (ASTM) Standard E 1527-05 guideline for Phase I ESAs. Recognized environmental conditions (RECs) identified in the Phase I ESA include: The use of the property as a small-arms firing range for almost 50 years; Newhall Chain and Forge and Iron Company, depicted on the corner of Seventh Street and Dale on the 1925, 1949, and 1967 Sanborn maps; W.J. La Grange, depicted on the 1925, 1949, and 1967 Sanborn maps appears to have been a machine shop with two garages that borders the southwestern edge of the site near Garden Place; The automobile repair shop that borders the western edge of the site at 1578 Fifth Street on the 1925, 1949 and 1967 Sanborn maps; and Solid waste along the western embankment of the site. Copper and lead exceeded Restricted Residential Use Standards in at least one surface or subsurface soil sample on the bunker hill. The Phase II ESA has sufficiently characterized the bunker hill to develop conceptual

THE HOLLOW (Continued) **1014903318**

remedial alternatives. Based on the results of TCLP testing, soil in the bunker hill has been determined to be a characteristic hazardous waste due to lead (Waste Code D002). Former Use: The Site is located in the northeastern portion of the City of Rensselaer City, Rensselaer County, New York. The western edge of the Site borders City streets from Fourth Street to Tenth Street. The Site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as the Hollow. The Site consists of steep ridges on either side of the Quackenderry Creek valley and is mostly wooded land. The Quackenderry Creek is a tributary of the Hudson River, which is located approximately one-half mile west of the Site. The Site was part of what was known as Rensselaerwyck Manor, a large feudal landholding established by Kiliaen Van Rensselaer in 1629 Fraser and Associates 2009. An 11 acre section of the Site was used as the Rensselaerwyck Rifle Range from approximately 1894 to 1938. A concrete bunker in the former rifle range remains on the property. There are also remains of the former main guard shed on the Site. There is graffiti on the concrete bunker. The Site is in a residential area of Rensselaer, and is owned by the City. Residents of the City sometimes use the Site for bird watching.

Datum:	North American Datum of 1983
Acres Property ID:	132517
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	50000
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	97249507
Start Date:	2/1/2012
Ownership Entity:	Government
Completion Date:	12/21/2012
Current Owner:	City of Rensselaer
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-

THE HOLLOW (Continued) **1014903318**

State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
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Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-

THE HOLLOW (Continued) **1014903318**

Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The Site is located in the northeastern portion of the City of Rensselaer City, Rensselaer County, New York. The western edge of the Site borders City streets from Fourth Street to Tenth Street. The Site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as the Hollow. The Site consists of steep ridges on either side of the Quackenderry Creek valley and is mostly wooded land. The Quackenderry Creek is a tributary of the Hudson River, which is located approximately one-half mile west of the Site. The Site was part of what was known as Rensselaerwyck Manor, a large feudal landholding established by Kiliaen Van Rensselaer in 1629 Fraser and Associates 2009. An 11 acre section of the Site was used as the Rensselaerwyck Rifle Range from approximately 1894 to 1938. A concrete bunker in the former rifle range remains on the property. There are also remains of the former main guard shed on the Site. There is graffiti on the concrete bunker. The Site is in a residential area of Rensselaer, and is owned by the City. Residents of the City sometimes use the Site for bird watching.
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Meidan Income Percent:	37.27
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Vacant Housing Percent:	9.06
Unemployed Number:	81
Unemployed Percent:	3.68

20
West
1/4-1/2
0.451 mi.
2382 ft.

EMPIRE RECYCLING/MOMENTS METALS **NY SWRCY** **S128179076**
11 NORTH FERRY STREET **N/A**
ALBANY, NY 12204

Relative:
Lower

Actual:
14 ft.

SWRCY:

Name:	EMPIRE RECYCLING/MOMENTS METALS
Address:	11 NORTH FERRY STREET
City,State,Zip:	ALBANY, NY 12204
Region:	4

EMPIRE RECYCLING/MOMENTS METALS (Continued) **S128179076**

Facility Address 2:	Not reported
Phone Number:	5184653387
Owner Type:	Not reported
Owner Name:	Moments Metals SBA Hudson Metals Corp
Owner Address:	11 North Ferry Street
Owner Address 2:	Not reported
Owner City,St,Zip:	Albany, NY 12207
Owner Email:	tstackhm@aol.com
Owner Phone:	5184653387
Contact Name:	Tom Stack
Contact Address:	Not reported
Contact Address 2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	tstackhm@aol.com
Contact Phone:	5184653387
Activity Desc:	RHRF - exempt (non-VDF)
Activity Number:	[01M05]
Active:	No
East Coordinate:	603144
North Coordinate:	4723662
Accuracy Code:	4.2 - Utilization of GIS and existing spatial data
Regulatory Status:	Not reported
Permit #:	Not reported
Auth. Date:	Not reported
Expiration Date:	Not reported
Waste Types:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Last Date:	Not reported

Name:	EMPIRE RECYCLING/MOMENTS METALS
Address:	11 NORTH FERRY STREET
City,State,Zip:	ALBANY, NY 12204
Region:	4
Facility Address 2:	Not reported
Phone Number:	5184653387
Owner Type:	Not reported
Owner Name:	Moments Metals SBA Hudson Metals Corp
Owner Address:	11 North Ferry Street
Owner Address 2:	Not reported
Owner City,St,Zip:	Albany, NY 12207
Owner Email:	tstackhm@aol.com
Owner Phone:	5184653387
Contact Name:	Tom Stack
Contact Address:	Not reported
Contact Address 2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	tstackhm@aol.com
Contact Phone:	5184653387
Activity Desc:	RHRF - registration
Activity Number:	[01M05]
Active:	No
East Coordinate:	603141
North Coordinate:	4723661
Accuracy Code:	4.2 - Utilization of GIS and existing spatial data
Regulatory Status:	Registration
Permit #:	01M05

EMPIRE RECYCLING/MOMENTS METALS (Continued) **S128179076**

Auth. Date: 8/30/2007
Expiration Date: Not reported
Waste Types: Not reported
Operator Name: Not reported
Operator Type: Not reported
Last Date: Not reported

21
NNW
1/4-1/2
0.487 mi.
2572 ft.

Relative:
Lower

Actual:
12 ft.

ALBANY WATER DEPT OF
35 ERIE BLVD
ALBANY, NY 12204

RCRA-VSQG **1000552431**
NY LTANKS **NYD986948305**
NY CBS
NY AST
NY CBS AST
NY Spills
ICIS
FINDS
ECHO
NY MANIFEST
NY SPDES

RCRA Listings:

Date Form Received by Agency:		20070101
Handler Name:	ALBANY WATER DEPT OF	
Handler Address:		35 ERIE BLVD
Handler City,State,Zip:		ALBANY, NY 12204-2593
EPA ID:		NYD986948305
Contact Name:		Not reported
Contact Address:		ERIE BLVD
Contact City,State,Zip:		ALBANY, NY 12204
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R4
Mailing Address:		ERIE BLVD
Mailing City,State,Zip:		ALBANY, NY 12204
Owner Name:	ALBANY WATER DEPT	
Owner Type:		Municipal
Operator Name:	ALBANY WATER BOARD	
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No

ALBANY WATER DEPT OF (Continued) **1000552431**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALBANY WATER BOARD

ALBANY WATER DEPT OF (Continued) **1000552431**

Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	35 ERIE BLVD
Owner/Operator City,State,Zip:	ALBANY, NY 12204
Owner/Operator Telephone:	518-434-5300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ALBANY WATER DEPT	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	35 ERIE BLVD
Owner/Operator City,State,Zip:	ALBANY, NY 12204
Owner/Operator Telephone:	518-434-5300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: ALBANY WATER BOARD	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	35 ERIE BLVD
Owner/Operator City,State,Zip:	ALBANY, NY 12204
Owner/Operator Telephone:	518-434-5300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ALBANY WATER DEPT	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	35 ERIE BLVD
Owner/Operator City,State,Zip:	ALBANY, NY 12204
Owner/Operator Telephone:	518-434-5300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19990708
Handler Name: ALBANY WATER DEPT OF	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

ALBANY WATER DEPT OF (Continued) **1000552431**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: ALBANY WATER DEPT OF
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: ALBANY WATER DEPT OF
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19910416
Handler Name: ALBANY WATER DEPT OF
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported

ALBANY WATER DEPT OF (Continued) **1000552431**

Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20030226
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2STP
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

LTANKS:

Name:	ALBANY WATER DEPT ERIE BLVD
Address:	35 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	8703215 / 1987-11-02
Facility ID:	8703215
Site ID:	316746
Spill Date:	1987-07-21
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	1987-11-02
SWIS:	0101

ALBANY WATER DEPT OF (Continued) **1000552431**

Investigator:	WEBLAIN
Referred To:	Not reported
Reported to Dept:	1987-07-21
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	1987-11-02
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1987-07-24
Spill Record Last Update:	2012-12-20
Spiller Name:	Not reported
Spiller Company:	ALBANY WATER DEPT
Spiller Address:	35 ERIE BLVD
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	255384
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BLAIN / / : TANK DUG OUT. CLOSED 11/2. 11/30/87: FOLLOWUP LETTER REQUIRED REQUESTING RESULTS. DUG UP. CLOSED. 8904851, 0202289; PBS 4-395366; CBS 4-000044 12/14/12 - FOIL 12/471, Edoc CD w/multiple sites."
Remarks:	"(1) 2K SYSTEM FAILED PETROTITE @ -.7244 GPH. ANOTHER 2K SYSTEM FAILED WITH UNREADABLE RATE. WILL EXCAVATE AND ISOLATE AND RETEST EACK TANK"

All TTF:

Facility ID:	8703215
Spill Number:	8703215
Spill Tank Test:	1531157
Site ID:	316746
Tank Number:	Not reported
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	316746
Operable Unit ID:	907179
Operable Unit:	01
Material ID:	469478
Material Code:	0001A
Material Name:	#2 fuel oil

ALBANY WATER DEPT OF (Continued) **1000552431**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	ALBANY WATERWORKS ERIE BLVD
Address:	35 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	8904851 / 1990-01-29
Facility ID:	8904851
Site ID:	316747
Spill Date:	1989-08-15
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	1989-10-02
SWIS:	0101
Investigator:	TESPERBE
Referred To:	Not reported
Reported to Dept:	1989-08-15
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1989-08-16
Spill Record Last Update:	2012-12-20
Spiller Name:	Not reported
Spiller Company:	ALBANY WATERWORKS
Spiller Address:	ERIE BLVD
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	431116
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SPERBECK 8703215, 0202289; PBS 4-395366; CBS 4-000044 12/14/12 - FOIL 12/471, Edoc CD w/multiple sites."
Remarks:	"1K UGT FAILED PETROTITE - 1 GAL/10 MIN. (6 GPH). EXCAVATE, ISOLATE, RETEST. TANK & 5 TRUCKLOADS REMOVED, CLEAN-UP COMPLETE."

All TTF:

Facility ID:	8904851
Spill Number:	8904851
Spill Tank Test:	1535857
Site ID:	316747
Tank Number:	Not reported
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported

ALBANY WATER DEPT OF (Continued) **1000552431**

Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	316747
Operable Unit ID:	930111
Operable Unit:	01
Material ID:	448882
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

CBS:

Name:	FEURA BUSH FILTRATION PLANT
Address:	35 ERIE BLVD
City,State,Zip:	ALBANY, NY 12204
CBS Number:	4-000044
Program Type:	CBS
Facility Status:	Unregulated/Closed
Expiration Date:	Not reported
Dec Region:	4
UTMX:	603388.69346
UTMY:	4724458.69499

AST:

Name:	FEURA BUSH FILTRATION PLANT
Address:	35 ERIE BLVD
City,State,Zip:	ALBANY, NY 12204
Region:	STATE
DEC Region:	4
Site Status:	Unregulated/Closed
Facility Id:	4-000044
Program Type:	CBS
UTM X:	603388.69346
UTM Y:	4724458.69499
Expiration Date:	N/A
Site Type:	Utility (Other than Municipal)

Tank Info:

Tank Number:	00001
Tank Id:	183714
Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.

ALBANY WATER DEPT OF (Continued) **1000552431**

Tank Type:	Other
Tank Status:	Tank Converted to Non-Regulated Use
Pipe Model:	Not reported
Install Date:	12/01/1930
Capacity Gallons:	2600
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	12/01/1930
Register:	True
Modified By:	MJGRIFFI
Last Modified:	05/09/2022
Material Name:	Not reported

Tank Number:	00002
Tank Id:	183715
Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Other
Tank Status:	Tank Converted to Non-Regulated Use
Pipe Model:	Not reported
Install Date:	12/01/1930
Capacity Gallons:	2600
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	12/01/1930
Register:	True
Modified By:	MJGRIFFI
Last Modified:	05/09/2022
Material Name:	Not reported

Tank Number:	00003
Tank Id:	183716
Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Other
Tank Status:	Tank Converted to Non-Regulated Use
Pipe Model:	Not reported
Install Date:	12/01/1930
Capacity Gallons:	2600
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	12/01/1930
Register:	True
Modified By:	MJGRIFFI
Last Modified:	05/09/2022
Material Name:	Not reported

Tank Number:	00004
Tank Id:	183717
Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.

ALBANY WATER DEPT OF (Continued) **1000552431**

Tank Type:	Other
Tank Status:	Tank Converted to Non-Regulated Use
Pipe Model:	Not reported
Install Date:	12/01/1930
Capacity Gallons:	2600
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	12/01/1930
Register:	True
Modified By:	MJGRIFFI
Last Modified:	05/09/2022
Material Name:	Not reported

CBS AST:

CBS Number:	4-000044
ICS Number:	0-025747
PBS Number:	4-395374
MOSF Number:	Not reported
SPDES Number:	0-100145
Facility Status:	IN SERVICE
Facility Type:	E
Telephone:	(518) 767-2667
Facility Town:	ALBANY (C)
Region:	STATE
Expiration Date:	06/02/1991
Total Capacity of All Active Tanks(gal):	0
Operator:	KENAN GLENNING
Emergency Contact:	ROBERT COLEMAN
Emergency Phone:	(518) 462-8000
Owner Name:	ALBANY WATER BOARD
Owner Address:	35 ERIE BLVD.
Owner City,St,Zip:	ALBANY, NY 12204
Owner Telephone:	(518) 434-5317
Owner Type:	Local Government
Owner Sub Type:	Not reported
Mail Name:	ALBANY WATER BOARD
Mail Contact Addr:	35 ERIE BLVD.
Mail Contact Addr2:	Not reported
Mail Contact Contact:	ROBERT COLEMAN
Mail Contact City,St,Zip:	ALBANY, NY 12204
Mail Phone:	(518) 434-5317

Tank Id:	00001
CAS Number:	10043013
Federal ID:	Not reported
Tank Status:	0
Install Date:	12/30
Tank Closed:	12/30
Capacity (Gal):	2600
Chemical:	Aluminum sulfate
Tank Location:	Indoors, Aboveground
Tank Type:	Other
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	None
Tank Error Status:	2

ALBANY WATER DEPT OF (Continued) **1000552431**

Date Entered:	06/02/1989
Certified Date:	06/02/1989
Substance:	Not reported
Internal Protection:	Not reported
External Protection:	Not reported
Pipe Location:	Not reported
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	Not reported
Pipe External:	Not reported
Pipe Flag:	False
Leak Detection:	Not reported
Overfill Protection:	Not reported
Haz Percent:	0
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	0101
Lat/Long:	42|33|03 / 73|52|08
Is Updated:	False
Renew Date:	03/13/91
Is It There:	False
Delinquent:	False
Date Expired:	06/02/91
Owner Mark:	1
Certificate Needs to be Printed:	42|33|03 / 73|52|08
Fiscal Amt for Registration Fee Correct:	42|33|03 / 73|52|08
Renewal Has Been Printed for Facility:	42|33|03 / 73|52|08
Pre-Printed Renewal App Last Printed:	42|33|03 / 73|52|08

Tank Id:	00004
CAS Number:	10043013
Federal ID:	Not reported
Tank Status:	0
Install Date:	12/30
Tank Closed:	12/30
Capacity (Gal):	2600
Chemical:	Aluminum sulfate
Tank Location:	Indoors, Aboveground
Tank Type:	Other
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	None
Tank Error Status:	2
Date Entered:	06/02/1989
Certified Date:	06/02/1989
Substance:	Not reported
Internal Protection:	Not reported
External Protection:	Not reported
Pipe Location:	Not reported
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	Not reported
Pipe External:	Not reported
Pipe Flag:	False
Leak Detection:	Not reported
Overfill Protection:	Not reported
Haz Percent:	0
Last Test:	Not reported

ALBANY WATER DEPT OF (Continued) **1000552431**

Due Date:	Not reported
SWIS Code:	0101
Lat/Long:	42|33|03 / 73|52|08
Is Updated:	False
Renew Date:	03/13/91
Is It There:	False
Delinquent:	False
Date Expired:	06/02/91
Owner Mark:	1
Certificate Needs to be Printed:	42|33|03 / 73|52|08
Fiscal Amt for Registration Fee Correct:	42|33|03 / 73|52|08
Renewal Has Been Printed for Facility:	42|33|03 / 73|52|08
Pre-Printed Renewal App Last Printed:	42|33|03 / 73|52|08

Tank Id:	00003
CAS Number:	10043013
Federal ID:	Not reported
Tank Status:	0
Install Date:	12/30
Tank Closed:	12/30
Capacity (Gal):	2600
Chemical:	Aluminum sulfate
Tank Location:	Indoors, Aboveground
Tank Type:	Other
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	None
Tank Error Status:	2
Date Entered:	06/02/1989
Certified Date:	06/02/1989
Substance:	Not reported
Internal Protection:	Not reported
External Protection:	Not reported
Pipe Location:	Not reported
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	Not reported
Pipe External:	Not reported
Pipe Flag:	False
Leak Detection:	Not reported
Overfill Protection:	Not reported
Haz Percent:	0
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	0101
Lat/Long:	42|33|03 / 73|52|08
Is Updated:	False
Renew Date:	03/13/91
Is It There:	False
Delinquent:	False
Date Expired:	06/02/91
Owner Mark:	1
Certificate Needs to be Printed:	42|33|03 / 73|52|08
Fiscal Amt for Registration Fee Correct:	42|33|03 / 73|52|08
Renewal Has Been Printed for Facility:	42|33|03 / 73|52|08
Pre-Printed Renewal App Last Printed:	42|33|03 / 73|52|08

ALBANY WATER DEPT OF (Continued) **1000552431**

Tank Id:	00002
CAS Number:	10043013
Federal ID:	Not reported
Tank Status:	0
Install Date:	12/30
Tank Closed:	12/30
Capacity (Gal):	2600
Chemical:	Aluminum sulfate
Tank Location:	Indoors, Aboveground
Tank Type:	Other
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	None
Tank Error Status:	2
Date Entered:	06/02/1989
Certified Date:	06/02/1989
Substance:	Not reported
Internal Protection:	Not reported
External Protection:	Not reported
Pipe Location:	Not reported
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	Not reported
Pipe External:	Not reported
Pipe Flag:	False
Leak Detection:	Not reported
Overfill Protection:	Not reported
Haz Percent:	0
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	0101
Lat/Long:	42|33|03 / 73|52|08
Is Updated:	False
Renew Date:	03/13/91
Is It There:	False
Delinquent:	False
Date Expired:	06/02/91
Owner Mark:	1
Certificate Needs to be Printed:	42|33|03 / 73|52|08
Fiscal Amt for Registration Fee Correct:	42|33|03 / 73|52|08
Renewal Has Been Printed for Facility:	42|33|03 / 73|52|08
Pre-Printed Renewal App Last Printed:	42|33|03 / 73|52|08

SPILLS:

Name:	ALBANY WATER DEPT ERIE BLVD
Address:	35 ERIE BLVD
City,State,Zip:	ALBANY, NY 12207
Spill Number/Closed Date:	0202289 / 2002-07-23
Facility ID:	0202289
Facility Type:	ER
DER Facility ID:	329012
Site ID:	316745
DEC Region:	4
Spill Cause:	Other
Spill Class:	B3
SWIS:	0101
Spill Date:	2002-06-03
Investigator:	WTCHRIST

ALBANY WATER DEPT OF (Continued) **1000552431**

Referred To:	Not reported
Reported to Dept:	2002-06-03
CID:	205
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-06-03
Spill Record Last Update:	2013-09-26
Spiller Name:	GREG YONKERS
Spiller Company:	CITY OF ALBANY WATER DEPT
Spiller Address:	35 ERIE BLVD
Spiller Company:	001
Contact Name:	CALLER
DEC Memo:	"See Edocs; 8703215, 8904851 PBS 4-395366; CBS 4-000044 07/23/2002 - Received closure report from Albany Tank Services. Analytical data shows site meets TAGMs 4046. No further remediation required. wtc 12/14/12 - FOIL 12/471, Edoc CD w/multiple sites. 9/26/2013: Reviewed additional reports submitted on behalf of the City of Albany as part of a property due dilligence. The data and information contained in the reports did not justify opening this spill number or requiring further action. (KG)"
Remarks:	"pulled tanbk and found contamination from tank overfills."

All Materials:

Site ID:	316745
Operable Unit ID:	853131
Operable Unit:	01
Material ID:	520150
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

ICIS:

Enforcement Action ID:	NY-R42013022737
FRS ID:	110004464641
Action Name:	ALBANY CSOs- PUMP FAILURE
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	State Administrative Order of Consent
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	STAOCO
Facility SIC Code:	4952

ALBANY WATER DEPT OF (Continued) **1000552431**

Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.637056
Longitude in Decimal Degrees: -73.750778
Permit Type Desc: NPDES Individual Permit
Program System Acronym: NY0025747
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: NY-R420080912137
FRS ID: 110004464641
Action Name: ALBANY CSOs
Facility Name: COMBINED SEWER OVERFLOWS
Facility Address: 35 ERIE BOULEVARD
ALBANY, NY 12204
Enforcement Action Type: State Administrative Order of Consent
Facility County: ALBANY
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: STAOCO
Facility SIC Code: 4952
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.637056
Longitude in Decimal Degrees: -73.750778
Permit Type Desc: NPDES Individual Permit
Program System Acronym: NY0025747
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: NY-N00002512
FRS ID: 110004464641
Action Name: COMBINED SEWER OVERFLOWS (Permit NY0025747) Administrative Consent Order
Facility Name: COMBINED SEWER OVERFLOWS
Facility Address: 35 ERIE BOULEVARD
ALBANY, NY 12204
Enforcement Action Type: State Administrative Order of Consent
Facility County: ALBANY
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: STAOCO
Facility SIC Code: 4952
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.637056
Longitude in Decimal Degrees: -73.750778
Permit Type Desc: NPDES Individual Permit
Program System Acronym: NY0025747
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: NY-N00001223
FRS ID: 110004464641
Action Name: COMBINED SEWER OVERFLOWS (Permit NY0025747) Letter Of Violation/Warning Letter
Facility Name: COMBINED SEWER OVERFLOWS
Facility Address: 35 ERIE BOULEVARD
ALBANY, NY 12204
Enforcement Action Type: Letter of Violation/ Warning Letter

ALBANY WATER DEPT OF (Continued) **1000552431**

Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LOVWL
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	NY-N00000554
FRS ID:	110004464641
Action Name:	COMBINED SEWER OVERFLOWS (Permit NY0025747) Letter Of Violation/Warning Letter
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	Letter of Violation/ Warning Letter
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LOVWL
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	NY-N00000394
FRS ID:	110004464641
Action Name:	COMBINED SEWER OVERFLOWS (Permit NY0025747) Oral Notification of Violation
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	Phone Call/ EMAIL
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	PHEMAIL
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	NY-N00000375
FRS ID:	110004464641

ALBANY WATER DEPT OF (Continued) **1000552431**

Action Name:	COMBINED SEWER OVERFLOWS (Permit NY0025747) Letter Of Violation/Warning Letter
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	Letter of Violation/ Warning Letter
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LOVWL
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	NY-N00000374
FRS ID:	110004464641
Action Name:	COMBINED SEWER OVERFLOWS (Permit NY0025747) Letter Of Violation/Warning Letter
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	Letter of Violation/ Warning Letter
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LOVWL
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	NY0025747
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	NY-N00000252
FRS ID:	110004464641
Action Name:	COMBINED SEWER OVERFLOWS (Permit NY0025747) Oral Notification of Violation
Facility Name:	COMBINED SEWER OVERFLOWS
Facility Address:	35 ERIE BOULEVARD ALBANY, NY 12204
Enforcement Action Type:	Phone Call/ EMAIL
Facility County:	ALBANY
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	PHEMAIL
Facility SIC Code:	4952
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.637056
Longitude in Decimal Degrees:	-73.750778
Permit Type Desc:	NPDES Individual Permit

ALBANY WATER DEPT OF (Continued) **1000552431**

Program System Acronym: NY0025747
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Enforcement Action ID: NY-CO42012091101
FRS ID: 110004464641
Action Name: ALBANY POOL CSO LTCP
Facility Name: COMBINED SEWER OVERFLOWS
Facility Address: 35 ERIE BOULEVARD
ALBANY, NY 12204
Enforcement Action Type: State Administrative Order of Consent
Facility County: ALBANY
Program System Acronym: NPDES
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: STAOCO
Facility SIC Code: 4952
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.637056
Longitude in Decimal Degrees: -73.750778
Permit Type Desc: NPDES Individual Permit
Program System Acronym: NY0025747
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

FINDS:
Registry ID: 110004464641

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000552431
Registry ID: 110004464641
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004464641
Name: ALBANY WATER DEPT OF
Address: 35 ERIE BLVD
City,State,Zip: ALBANY, NY 12204

ALBANY WATER DEPT OF (Continued) **1000552431**

NY MANIFEST:

Name:	ALBANY CITY DEPT OF WATER
Address:	35 ERIE BLVD
City,State,Zip:	ALBANY, NY 12204-2593
Country:	USA
EPA ID:	NYD986948305
Facility Status:	Not reported
Location Address 1:	35 ERIE BLVD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	ALBANY
Location State:	NY
Location Zip:	12204
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD986948305
Mailing Name:	ALBANY CITY DEPT OF WATER
Mailing Contact:	ALBANY CITY DEPT OF WATER
Mailing Address 1:	35 ERIE BLVD
Mailing Address 2:	Not reported
Mailing City:	ALBANY
Mailing State:	NY
Mailing Zip:	12204
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	5184345300

SPDES:

Name:	ALBANY WATER BOARD - 35 ERIE BLVD
Address:	35 ERIE BOULEVARD
City,State,Zip:	CITY OF ALBANY, NY 12204
Permit Number:	NYR11J136
State-Region:	4
Expiration Date:	Not reported
Current Major Minor Status:	Not reported
Primary Facility SIC Code:	Not reported
State Water Body Name:	Hudson River
Limit Set Status Flag:	Not reported
Total Actual Average Flow(MGD):	Not reported
Total App Design Flow(MGD):	Not reported
UDF1:	Not reported
Lat/Long:	42.665715915770 / -73.73795891678
DMR Cognizant Official:	Not reported
UDF2:	Not reported
UDF3:	Not reported
FIPS County Code:	Not reported
Non-Gov Permit Affiliation Type Desc:	Not reported
Non-Gov Permit Org Formal Name:	Not reported
Non-Gov Permit Street Address:	Not reported
Non-Gov Permit Supplemental Location:	Not reported
Non-Gov Permit City:	Not reported
Non-Gov Permit State Code:	Not reported

ALBANY WATER DEPT OF (Continued) **1000552431**

Non-Gov Permit Zip Code:	Not reported
Non-Gov Facility Affiliation Type Desc:	Not reported
Non-Gov Facility Org Formal Name:	Not reported
Non-Gov Facility Street Address:	Not reported
Non-Gov Facility Supplemental Location:	Not reported
Non-Gov Facility City:	Not reported
Non-Gov Facility State Code:	Not reported
Non-Gov Facility Zip Code:	Not reported
State Water Body:	Not reported
Region Permit Processed:	Not reported
Dow Discharge Class Code:	Not reported
SPDES Class Description:	Not reported
Affiliation Type Description:	Not reported
Name:	Not reported
Contacts Title:	Not reported
Contacts Email:	Not reported
NOI Submission Date:	Not reported

D22 **RYDER TRUCK RENTAL INC** **RCRA-VSQG** **1000211492**
West **10 ERIE BLVD E SIDE OF PROPERTY** **NY LTANKS** **NYD046877080**
1/4-1/2 **ALBANY, NY 12204** **NY AST**
0.491 mi. **NY Spills**
2594 ft. **Site 1 of 2 in cluster D** **NY MANIFEST**

Relative: **Lower**
Actual: **19 ft.**

RCRA Listings:

Date Form Received by Agency:		20070101
Handler Name:	RYDER TRUCK RENTAL INC	
Handler Address:		10 ERIE BLVD E SIDE OF PROPERTY
Handler City,State,Zip:		ALBANY, NY 12204-2514
EPA ID:		NYD046877080
Contact Name:		Not reported
Contact Address:		ERIE BLVD PO BOX 4007
Contact City,State,Zip:		ALBANY, NY 12204
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R4
Mailing Address:		ERIE BLVD PO BOX 4007
Mailing City,State,Zip:		ALBANY, NY 12204
Owner Name:	JACOB SHER	
Owner Type:		Private
Operator Name:	JACOB SHER	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20150414
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:
Waste Code: D002
Waste Description: CORROSIVE WASTE

Handler - Owner Operator:
Owner/Operator Indicator: Owner

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Owner/Operator Name: JACOB SHER
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, WY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JACOB SHER
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, WY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JACOB SHER
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, WY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19990708
Handler Name: RYDER TRUCK RENTAL INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: RYDER TRUCK RENTAL INC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070101
Handler Name: RYDER TRUCK RENTAL INC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19861031
Handler Name: RYDER TRUCK RENTAL INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20150615
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYHBR
Evaluation Responsible Sub-Organization: R4
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

LTANKS:
Name: RYDER TRUCK ERIE BLVD
Address: 10 ERIE BLVD
City,State,Zip: ALBANY, NY
Spill Number/Closed Date: 8708160 / 1989-03-22
Facility ID: 8708160
Site ID: 150010
Spill Date: 1987-12-21
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: B6
Cleanup Ceased: 1989-03-22
SWIS: 0101
Investigator: weblain
Referred To: Not reported
Reported to Dept: 1987-12-21
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: True
Remediation Phase: 0

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Date Entered In Computer:	1987-12-24
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK RENTAL
Spiller Address:	10 ERIE BLVD
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	461103
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BLAIN PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"4 UGT'S MANIFOLDED TOGETHER TOTALING 36000 GALS. FAILED TEST @ -.22 GPH. MAY AIR IN TANK. WILL RETEST. RYDER MGR. SAYS THEY WILL CONDUCT COMPLETE INVEST. IN APRIL. 3/22/89-RETEST PASSED PER BLAIN."

All TTF:

Facility ID:	8708160
Spill Number:	8708160
Spill Tank Test:	1532762
Site ID:	150010
Tank Number:	Not reported
Tank Size:	0
Material:	0008
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	150010
Operable Unit ID:	913709
Operable Unit:	01
Material ID:	463557
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	8900577 / 1989-04-26
Facility ID:	8900577
Site ID:	150012
Spill Date:	1989-04-19
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	1989-04-26
SWIS:	0101
Investigator:	ANGEISEN
Referred To:	Not reported
Reported to Dept:	1989-04-19
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1989-04-24
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK RENTAL/ALBANY
Spiller Address:	10 ERIE BLVD.
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	461104
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GEISENDORFER PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"3-4K UGTS, NO-LEAD GASOLINE- MANIFOLDED. ISOLATED AND TESTED SEPARATELY, -0.32 AND-O.36. TANKS, CONT. SOIL REMOVED.4/26/89 MCD ON SITE-CHECKED 2 M/WS, NO PROBLEMS, OK'D EOI BACKFILL. CLEAN-UP COMPLETE"

All TTF:

Facility ID:	8900577
Spill Number:	8900577
Spill Tank Test:	1535368
Site ID:	150012
Tank Number:	Not reported
Tank Size:	0
Material:	0009
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Test Method 2: Unknown
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 150012
Operable Unit ID: 926867
Operable Unit: 01
Material ID: 451918
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: RYDER TRUCK ERIE BLVD
Address: 10 ERIE BLVD
City,State,Zip: ALBANY, NY
Spill Number/Closed Date: 9011390 / 1992-02-06
Facility ID: 9011390
Site ID: 150014
Spill Date: 1991-01-29
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: B3
Cleanup Ceased: 1992-02-06
SWIS: 0101
Investigator: tesperbe
Referred To: Not reported
Reported to Dept: 1991-01-29
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 1991-01-30
Spill Record Last Update: 2015-04-08
Spiller Name: Not reported
Spiller Company: RYDER
Spiller Address: 10 ERIE BLVD
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 4
DER Facility ID: 461105
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was SPERBECK PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422,

RYDER TRUCK RENTAL INC (Continued) **1000211492**

9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"

Remarks: "FAILED PETROTITE LINETEST @ -.008 (CONSTANT PRESSURE DROP), LINE NOW OUT OF SERVICE. LINE REPLACED SAMPLE RESULTS RECEIVED."

All TTF:

Facility ID:	9011390
Spill Number:	9011390
Spill Tank Test:	1538192
Site ID:	150014
Tank Number:	Not reported
Tank Size:	0
Material:	0009
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	150014
Operable Unit ID:	951457
Operable Unit:	01
Material ID:	427937
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9310972 / 1999-02-02
Facility ID:	9310972
Site ID:	150016
Spill Date:	1993-12-09
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	1999-02-02
SWIS:	0101
Investigator:	tesperbe
Referred To:	Not reported
Reported to Dept:	1993-12-09

RYDER TRUCK RENTAL INC (Continued) **1000211492**

CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1993-12-28
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK
Spiller Address:	ERIE BLVD
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	461107
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SPERBECK CLOSED. SEE 9712563; PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"6K UGT FAILED PETROTITE @ -.152GPH, EIR."

All TTF:

Facility ID:	9310972
Spill Number:	9310972
Spill Tank Test:	1542284
Site ID:	150016
Tank Number:	Not reported
Tank Size:	0
Material:	0009
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	150016
Operable Unit ID:	989629
Operable Unit:	01
Material ID:	390033
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

AST:
Name: RYDER TRANSPORTATION SERVICES #0237
Address: 11 ERIE BOULEVARD
City,State,Zip: ALBANY, NY 12204
Region: STATE
DEC Region: 4
Site Status: Active
Facility Id: 4-435287
Program Type: PBS
UTM X: 603160.23933
UTM Y: 4723863.46073
Expiration Date: 06/28/2023
Site Type: Trucking/Transportation/Fleet Operation

Affiliation Records:
Site Id: 36792
Affiliation Type: Mail Contact
Company Name: RYDER TRANSPORTATION SERVICES
Contact Type: Not reported
Contact Name: COMPLIANCE DEPARTMENT
Address1: 16155 PARK ROW DRIVE
Address2: SUITE 140
City: HOUSTON
State: TX
Zip Code: 77084
Country Code: 001
Phone: (281) 647-8900
EMail: COMPLIANCERFS@RYDER.COM
Fax Number: Not reported
Modified By: MJRICE
Date Last Modified: 2020-12-30

Site Id: 36792
Affiliation Type: Emergency Contact
Company Name: RYDER TRANSPORTATION SERVICES
Contact Type: Not reported
Contact Name: RYDER INCIDENT HOTLINE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (888) 793-7865
EMail: Not reported
Fax Number: Not reported
Modified By: THKNIZEK
Date Last Modified: 2009-07-20

Site Id: 36792
Affiliation Type: Facility Owner

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Company Name:	SHERBRO INC/GKR SHARES LLC
Contact Type:	COMPLIANCE MANAGER
Contact Name:	HEATHER MELTON
Address1:	3200 PARK AVE APT 2FL
Address2:	Not reported
City:	BRIDGEPORT
State:	CT
Zip Code:	06604
Country Code:	001
Phone:	(203) 445-7945
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TESPERBE
Date Last Modified:	2018-05-07

Site Id:	36792
Affiliation Type:	Facility Operator
Company Name:	RYDER TRANSPORTATION SERVICES #0237
Contact Type:	Not reported
Contact Name:	BRANDON FRAGALE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 436-9715
EMail:	Not reported
Fax Number:	Not reported
Modified By:	AYLAGATI
Date Last Modified:	2017-02-02

Tank Info:

Tank Number:	2
Tank Id:	72925
Material Code:	0013
Common Name of Substance:	Lube Oil

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I01 - Overfill - Float Vent Valve
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
F00 - Pipe External Protection - None
B99 - Tank External Protection - Other
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
J00 - Dispenser - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
H99 - Tank Leak Detection - Other

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Pipe Model:	Not reported
Install Date:	04/01/1998
Capacity Gallons:	1000
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MJGRIFFI
Last Modified:	05/09/2022
Material Name:	motor oil

Tank Number:	3
Tank Id:	72929
Material Code:	0013
Common Name of Substance:	Lube Oil

Equipment Records:

F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
I01 - Overfill - Float Vent Valve
D01 - Pipe Type - Steel/Carbon Steel/Iron
G99 - Tank Secondary Containment - Other
A00 - Tank Internal Protection - None
C01 - Pipe Location - Aboveground
B99 - Tank External Protection - Other
J02 - Dispenser - Suction Dispenser
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	04/01/1998
Capacity Gallons:	1000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MJGRIFFI
Last Modified:	05/09/2022
Material Name:	waste oil/used oil

SPILLS:

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1701485 / 2018-07-03
Facility ID:	1701485
Facility Type:	ER
DER Facility ID:	127576
Site ID:	548542

RYDER TRUCK RENTAL INC (Continued) **1000211492**

DEC Region:	4
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	0101
Spill Date:	2017-05-16
Investigator:	JDUTBERG
Referred To:	Not reported
Reported to Dept:	2017-05-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2017-05-16
Spill Record Last Update:	2019-08-22
Spiller Name:	BRIAN MOORE
Spiller Company:	UNKNOWN
Spiller Address:	10 ERIE BLVD
Spiller Company:	999
Contact Name:	BRIAN MOORE
DEC Memo:	"JDU on site at Ryder Facility. Motor oil tank at back of building overfilled and leaked out onto concrete and asphalt. NRC on site to clean up spill. Less than 1 drum of speedy dry being generated. No impact to resources. Ryder will submit report. JDU 7/2/18 Email sent to NRC Requesting disposal receipts. JDU Email received from NRC. Only one bag of speedy dry used and waste put into drum which was left on site for disposal by Ryder. Less than 1 drum of material. No disposal documents required. Spill can be closed. JDU Closure report in D2. "
Remarks:	"clean up is en route"

All Materials:

Site ID:	548542
Operable Unit ID:	1296680
Operable Unit:	01
Material ID:	2302765
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	18.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	8804273 / 1988-08-31
Facility ID:	8804273
Facility Type:	ER
DER Facility ID:	461104

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Site ID:	150011
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	1988-08-15
Investigator:	MCDONALD
Referred To:	Not reported
Reported to Dept:	1988-08-15
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1988-08-15
Cleanup Meets Std:	True
Last Inspection:	1988-08-15
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1988-08-31
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK RENTAL
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"SPILL WHILE FILLING TRUCK CONTAINED ON PAVEMENT, USING SORBENTS TO CLEAN. MCDONALD TALKED TO TROMBLEY, WILL CLEAN UP AND DISPOSE, NO FURTHER PROBLEMS. NO DEC INSPECTION."

All TTF:

Facility ID:	8804273
Spill Number:	8804273
Spill Tank Test:	1534451
Site ID:	150011
Tank Number:	Not reported
Tank Size:	0
Material:	0008
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	150011

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Operable Unit ID:	919282
Operable Unit:	01
Material ID:	456226
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9516743 / 1996-08-20
Facility ID:	9516743
Facility Type:	ER
DER Facility ID:	461110
Site ID:	150019
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	0101
Spill Date:	1996-02-07
Investigator:	wtchrist
Referred To:	Not reported
Reported to Dept:	1996-03-28
CID:	349
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	1996-08-20
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-03-28
Spill Record Last Update:	2015-04-08
Spiller Name:	JOE FUSCO
Spiller Company:	RYDER TRUCK RENTAL INC
Spiller Address:	10 ERIE BLVD
Spiller Company:	001
Contact Name:	JOE FUSCO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CHRISTENSEN 6K UGT W/LINE LEAK, VALLEY Eq TO REPAIR 1st Wk IN APRIL, TO NOTIFY WTC WHEN WORK IS BEING DONE. 8/7/96 SPOKE WITH JEFF MARUTELLAR OF RYDER TRUCKING. LINE ABANDOND, SOIL REMOVED, REPORT TO BE SENT. 8/20/96 REPORT RECEIVED SITE CLOSED 8/20/96 PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Remarks: "LINE FAILED - CLEANED UP SCHEDULDED PENDING BIDS - SOIL REMOVAL"

All Materials:

Site ID:	150019
Operable Unit ID:	1031290
Operable Unit:	01
Material ID:	353258
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9712563 / 2000-03-10
Facility ID:	9712563
Facility Type:	ER
DER Facility ID:	461103
Site ID:	150020
DEC Region:	4
Spill Cause:	Unknown
Spill Class:	B3
SWIS:	0101
Spill Date:	1998-02-10
Investigator:	wtchrist
Referred To:	Not reported
Reported to Dept:	1998-02-10
CID:	211
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	2000-03-10
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	1998-02-10
Spill Record Last Update:	2015-04-08
Spiller Name:	SUSAN SHEPLEY
Spiller Company:	RYDER TRUCK
Spiller Address:	ERIE BLVD
Spiller Company:	001
Contact Name:	SUSAN SHEPLEY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CHRISTENSEN See Edocs; PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 7/20/98 - RECEIVED CLOSURE REPORT FOR THE REMOVAL OF 2/12K USTs, 3-6K USTs. 40 YDS OF CONTAMINATED SOIL WAS STOCKPILED AND SAMPLED. IT WAS REMOVED TO EMSI AT FORT EDWARD FOR REMEDIATION. SOILS REMOVED FOR THE INSTALLATION OF 2-20K USTs WAS ALSO SAMPLED AND TAKED TO ESMI.

RYDER TRUCK RENTAL INC (Continued) **1000211492**

CLOSURE REPORT SHOWS SOIL AND GROUNDWATER CONTAMINATION REMAINING AT SIGNIFICANT LEVALS. AN INVESTIGATORY WORK PLAN WILL BE SUBMITTED TO RYDER BY JULY 31 FOR THEIR REVIEW AND APPROVAL. IT WILL THEN BE SUBMITTED TO THE DEPARTMENT FOR OUR REVIEW AND COMMENTS. 12/07/98 - GEOLOGIC SERVICES IS PREPARING A SITE INVESTIGATION REPORT AS OUTLINED IN THEIR WORK PLAN OF SEPTEMBER 22, 1998. 5 M/W WERE INSTALLED AND WILL BE GAUGED,SAMPLED AND A SURVAY DONE BY 12/2/98. THE SITE INVESTIGATION REPORT WILL BE READY MID JANUARY 99. 9/29/99 - Quarterly report received for June 99. M/W's 3 & 6 exhibited up to 10 detectable concertrations of contaminants above standards. 3/10/00 - A review of the latest report shows g/w contamination continues to decrease. Based on the analytical results over the past 2 years, the Department is closing this spill with the notation it does not meet NYS Groundwater Standards. See Edocs. 5/17/00 - Received confirmation that all wells have been abandoned in-place by filling the well with a bentonite/grout slurry and capping the road box flush with existing grade with approximately one foot of concrete. 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"

Remarks: "CALLER IS DOING TESTS ON SITE AND HAS FOUND SOIL CONTAMINATION - PRODUCT IS EITHER DIESEL OR GAS - THERE IS A POSSIBILITY OF GROUNDWATER CONTAMINATION"

All Materials:

Site ID:	150020
Operable Unit ID:	1058804
Operable Unit:	01
Material ID:	327164
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Site ID:	150020
Operable Unit ID:	1058804
Operable Unit:	01
Material ID:	327165
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	8901422 / 1989-05-12
Facility ID:	8901422
Facility Type:	ER

RYDER TRUCK RENTAL INC (Continued) **1000211492**

DER Facility ID:	461103
Site ID:	150013
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	0101
Spill Date:	1989-05-12
Investigator:	MCDONALD
Referred To:	Not reported
Reported to Dept:	1989-05-12
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1989-05-12
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1989-05-17
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK RENTAL
Spiller Address:	10 ERIE BLVD
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"LINE LEAK. OIL ON WATER IN EXCAVATION. USING SORBENT PADS, PUMPING OIL, WATER INTO 55GAL. DRUMS. BELIEVE ADJACENT EXCAVATION CAUSED LEAK. EOI HIRED TO PUMP FUEL OIL OUT OF HOLE. CLEAN-UP SATISFACTORY"

All Materials:

Site ID:	150013
Operable Unit ID:	927549
Operable Unit:	01
Material ID:	449170
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9207815 / 1992-10-08
Facility ID:	9207815
Facility Type:	ER

RYDER TRUCK RENTAL INC (Continued) **1000211492**

DER Facility ID:	461106
Site ID:	150015
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	0101
Spill Date:	1992-10-05
Investigator:	wtchrist
Referred To:	Not reported
Reported to Dept:	1992-10-06
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1992-10-07
Cleanup Meets Std:	True
Last Inspection:	1992-10-07
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-10-07
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK RENTAL
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CHRISTENSEN PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"FOUND BROKEN LINE ON UGT. 10/7-WTC @ SITE, <1YD SOIL STOCKPILED PENDING TEST RESULTS, MAY BE USED WHEN NEW TANKS ARE INSTALLED."

All Materials:

Site ID:	150015
Operable Unit ID:	974608
Operable Unit:	01
Material ID:	408428
Material Code:	0013
Material Name:	lube oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	20.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9407214 / 1994-09-19
Facility ID:	9407214
Facility Type:	ER

RYDER TRUCK RENTAL INC (Continued) **1000211492**

DER Facility ID:	461104
Site ID:	150017
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	0101
Spill Date:	1994-08-29
Investigator:	weblain
Referred To:	Not reported
Reported to Dept:	1994-08-29
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1994-08-30
Cleanup Meets Std:	True
Last Inspection:	1994-08-30
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-09-19
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK RENTAL
Spiller Address:	10 ERIE BLVD
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BLAIN PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"HOSE BROKE UNDER PRESSURE, US TECH CLEANING. 8/30,7:45-BLAIN @ SITE, U S TECH REMOVING CONT. SOIL FOR DISPOSAL. COMPLETE."

All Materials:

Site ID:	150017
Operable Unit ID:	1004646
Operable Unit:	01
Material ID:	380229
Material Code:	0016A
Material Name:	non PCB oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Site ID:	150017
Operable Unit ID:	1004646
Operable Unit:	01
Material ID:	380228
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Material FA:	Petroleum
Quantity:	.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9502437 / 1995-06-20
Facility ID:	9502437
Facility Type:	ER
DER Facility ID:	461103
Site ID:	150018
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	0101
Spill Date:	1995-05-26
Investigator:	wtchrist
Referred To:	Not reported
Reported to Dept:	1995-05-26
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	1995-06-15
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	1995-06-05
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK
Spiller Address:	10 ERIE BLVD
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CHRISTENSEN PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"FOUND CONT. SOIL @ TANK PULL. SEE FOLDER FOR CLOSURE RPT."

All Materials:

Site ID:	150018
Operable Unit ID:	1013493
Operable Unit:	01
Material ID:	367488
Material Code:	0041B
Material Name:	toluol
Case No.:	00108883
Material FA:	Hazardous Material

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Quantity:	.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Name:	RYDER TRUCK ERIE BLVD DRUMS IN TRUCKS
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	8604786 / 1987-03-31
Facility ID:	8604786
Facility Type:	ER
DER Facility ID:	112013
Site ID:	129977
DEC Region:	4
Spill Cause:	Abandoned Drums
Spill Class:	B6
SWIS:	0101
Spill Date:	1986-10-27
Investigator:	weblain
Referred To:	Not reported
Reported to Dept:	1986-10-27
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	1987-03-31
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1986-10-28
Spill Record Last Update:	2015-04-08
Spiller Name:	Not reported
Spiller Company:	RYDER TRUCK CO
Spiller Address:	10 ERIE BLVD
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BLAIN 09/28/95: This is additional information about material spilled from the translation of the old spill file: ACETONEYL ALCOHL. PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"
Remarks:	"2 TRUCKS/DRUMS ON BOARD & OTHER CHEMICALS-NO SPILLAGE NOTED"

All Materials:

Site ID:	129977
Operable Unit ID:	901768
Operable Unit:	01
Material ID:	474015
Material Code:	0303B
Material Name:	ethyl alcohol
Case No.:	00064175

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Material FA:	Other
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Site ID:	129977
Operable Unit ID:	901768
Operable Unit:	01
Material ID:	474013
Material Code:	0024B
Material Name:	2-propanone
Case No.:	00067641
Material FA:	Hazardous Material
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	TMI PROPERTIES LLC ERIE BLVD (RYDER)
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY 12206
Spill Number/Closed Date:	0609230 / 2007-05-03
Facility ID:	0609230
Facility Type:	ER
DER Facility ID:	323100
Site ID:	373380
DEC Region:	4
Spill Cause:	Other
Spill Class:	C4
SWIS:	0101
Spill Date:	2006-11-10
Investigator:	wtchrist
Referred To:	Not reported
Reported to Dept:	2006-11-10
CID:	408
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-11-10
Spill Record Last Update:	2015-04-08
Spiller Name:	MATTHEW BIAGIOTTI
Spiller Company:	TMI PROPERTIES LLC (RYDER?)
Spiller Address:	10 ERIE BLV.
Spiller Company:	001
Contact Name:	MATTHEW BIAGIOTTI
DEC Memo:	"01/04/07 - Mr. Biagiotti will send me the Phase II report. wtc 5/3/07 - Received report and meets soil and groundwater guidance. See Edocs. wtc (address registered as Ryder, PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972,

RYDER TRUCK RENTAL INC (Continued) **1000211492**

9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865) 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865)"

Remarks: "TYULENE IS THE MATERIAL; TWO UNDERGROUND TANKS ON PROPERTY, BELIEVED TO HAVE HELD PAINT BY PREVIOUS OWNER; ASLO FOUND MEK IN SOIL; THREE SAMPLES TAKEN; HAS BEEN IN BUILDING SINCE 1983"

All Materials:

Site ID:	373380
Operable Unit ID:	1131088
Operable Unit:	01
Material ID:	2120778
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Click this hyperlink while viewing on your computer to access additional NY SPILL: detail in the EDR Site Report.

NY MANIFEST:

Name:	RYDER TRUCK RENTAL INC
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY 12204-2514
Country:	USA
EPA ID:	NYD046877080
Facility Status:	Not reported
Location Address 1:	10 ERIE BLVD STE 2
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	ALBANY
Location State:	NY
Location Zip:	12204
Location Zip 4:	2517

NY MANIFEST:

EPAID:	NYD046877080
Mailing Name:	RYDER TRUCK RENTAL INC
Mailing Contact:	RYDER TRUCK RENTAL INC
Mailing Address 1:	10 ERIE BLVD STE 2
Mailing Address 2:	Not reported
Mailing City:	ALBANY
Mailing State:	NY
Mailing Zip:	12204
Mailing Zip 4:	2517
Mailing Country:	USA
Mailing Phone:	5184269715

NY MANIFEST:

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	TXR000081205
Trans2 State ID:	MAD039322250
Generator Ship Date:	12/15/2015
Trans1 Recv Date:	12/15/2015
Trans2 Recv Date:	12/15/2015
TSD Site Recv Date:	12/31/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD046877080
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	KYD053348108
TSDF ID 2:	Not reported
Manifest Tracking Number:	005097510SKS
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H061
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	700
Units:	P - Pounds
Number of Containers:	5
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	D008
Waste Code 1_3:	D018
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Name:	NIAGARA MOHAWK A NATIONAL GRID CO
Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY 12204
Country:	USA
EPA ID:	NYP000971853
Facility Status:	Not reported
Location Address 1:	10 ERIE BLVD
Code:	BP

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	ALBANY
Location State:	NY
Location Zip:	12204
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP000971853
Mailing Name:	NIAGARA MOHAWK A NATIONAL GRID CO
Mailing Contact:	NATIONAL GRID
Mailing Address 1:	1125 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	ALBANY
Mailing State:	NY
Mailing Zip:	12201
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	5184333696

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NYR000115733
Trans2 State ID:	Not reported
Generator Ship Date:	07/20/2015
Trans1 Recv Date:	07/20/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/21/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP000971853
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049836679
TSDF ID 2:	Not reported
Manifest Tracking Number:	001505738FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H132
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	450

RYDER TRUCK RENTAL INC (Continued) **1000211492**

Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

D23 **RYDER TRUCK ERIE BLVD** **NY LTANKS** **S100782226**
West **10 ERIE BLVD** **N/A**
1/4-1/2 **ALBANY, NY**
0.491 mi.
2594 ft. **Site 2 of 2 in cluster D**

Relative: LTANKS:
Lower

Actual: Name:	RYDER TRUCK ERIE BLVD
19 ft. Address:	10 ERIE BLVD
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	9605317 / 1999-02-02
Facility ID:	9605317
Site ID:	148203
Spill Date:	1996-07-24
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	1999-02-02
SWIS:	0101
Investigator:	tesperbe
Referred To:	Not reported
Reported to Dept:	1996-07-25
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1996-07-25
Spill Record Last Update:	2016-02-08
Spiller Name:	VINCENT
Spiller Company:	RYDER TRUCK
Spiller Address:	ERIE BLVD
Spiller County:	001
Spiller Contact:	VINCENT
Spiller Phone:	(518) 436-9715
Spiller Extention:	Not reported
DEC Region:	4
DER Facility ID:	299557
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was

RYDER TRUCK ERIE BLVD (Continued) **S100782226**

Remarks:	SPERBECK 8/7/96 SPOKE WITH JEFF MARUTELLAR OF RYDER TRUCKING. ALL THREE TANKS WERE MANIFOLDED TOGETHER AND FAILED TESTING. VALLEY EQUIPMENT EXCAVATED TOPS OF TANKS AND ISOLATED EACH TANK. ONE FAILED BECAUSE OF LOOSE VENT. VENT REPAIRED AND IT THEN PASSED. OTHER TWO TANKS PASSED. FULL REPORT TO FOLLOW. 2/2/99 - CLOSED SEE 9712563 (Edocs for large tank pull); PBS 4-435287; 8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437 (Edocs), 9516743, 9605317, 9712563 (Edocs), 0609230 (Edocs), 1410865 4/8/15 - FOIL 15/090, rpts & files for all spills on Edoc CD (8604786, 8708160, 8804273, 8900577, 8901422, 9011390, 9207815, 9310972, 9407214, 9502437, 9516743, 9605317, 9712563, 0609230, 1410865) 2/8/16 - FOIL W003257-020116, Edocs w/PBS 4-435287."
	"3 tanks failing as a system 2 12000 gallons and 1 6000 gallons weather is very muggy"

All TTF:

Facility ID:	9605317
Spill Number:	9605317
Spill Tank Test:	1544658
Site ID:	148203
Tank Number:	1
Tank Size:	12000
Material:	Not reported
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	14
Test Method 2:	VacuTest
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

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24 **THE HOLLOW** **US BROWNFIELDS** **1023620727**
East **FOURTH STREET TO TENTH STREET** **FINDS** **N/A**
1/4-1/2 **RENSSELAER, NY 12144**
0.497 mi.
2623 ft.

Relative: **Higher**

Actual: **161 ft.**

US BROWNFIELDS:

Name:	THE HOLLOW
Address:	FOURTH STREET TO TENTH STREET
City,State,Zip:	RENSSELAER, NY 12144
Recipient Name:	City of Rensselaer
Grant Type:	Cleanup
Property Number:	-
Parcel size:	60
Latitude:	42.658225
Longitude:	-73.7231659
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Former Use: The site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as "The Hollow". The site consists of steep ridges on either side of Quackenderry Creek, a tributary to the Hudson River.

THE HOLLOW (Continued) **1023620727**

The Hudson River is located approximately one-half mile west of the site. An 11 acre section of the site was used as a rifle range from approximately 1894 to 1938. A concrete bunker in the former rifle range remains on the property. A Phase I ESA was conducted on the property in 2011 and recognized environmental conditions (RECs) at the site included; the use of the property as a small-arms firing range for almost 50 years; Newhall Chain and Forge and Iron Company; a former machine shop with 2 garages; an automobile repair shop; and, solid waste along the western embankment of the site.

Datum:	North American Datum of 1983
Acres Property ID:	169645
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	96290514
Start Date:	-
Ownership Entity:	Government
Completion Date:	-
Current Owner:	City of Rensselaer
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-

THE HOLLOW (Continued) **1023620727**

Lead contaminant found:	Y
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	Y
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	60
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	Y
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-

THE HOLLOW (Continued) **1023620727**

Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The site consists of approximately 60 acres of undeveloped land and is zoned as a playground and residential vacant land, known as "The Hollow". The site consists of steep ridges on either side of Quackenderry Creek, a tributary to the Hudson River. The Hudson River is located approximately one-half mile west of the site. An 11 acre section of the site was used as a rifle range from approximately 1894 to 1938. A concrete bunker in the former rifle range remains on the property. A Phase I ESA was conducted on the property in 2011 and recognized environmental conditions (RECs) at the site included; the use of the property as a small-arms firing range for almost 50 years; Newhall Chain and Forge and Iron Company; a former machine shop with 2 garages; an automobile repair shop; and, solid waste along the western embankment of the site.
Below Poverty Number:	279
Below Poverty Percent:	15.36
Meidan Income:	5658
Meidan Income Number:	575
Meidan Income Percent:	31.66
Vacant Housing Number:	85
Vacant Housing Percent:	8.56
Unemployed Number:	73
Unemployed Percent:	4.02

FINDS:
Registry ID: 110070068802

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

25
NW
1/2-1
0.647 mi.
3414 ft.

SIMMONS MACHINE AND TOOL, INC **FUSRAP** **1016603377**
1000 NORTH BROADWAY **N/A**
ALBANY, NY

Relative: Lower
Actual: 29 ft.

FUSRAP:

Site Name:	SIMMONS MACHINE AND TOOL, INC
Site Id:	NY.35
Site Status:	Eliminated from consideration under FUSRAP
Designated Name:	Not Designated
Alternate Name:	None
Location Street Address:	1000 NORTH BROADWAY
Location City:	ALBANY
Location State:	NY

SIMMONS MACHINE AND TOOL, INC (Continued) **1016603377**

Location County:	Not reported
Evaluation Year:	1987
Site Oprerations:	Tested equipment and machined uranium to test the equipment (one time event).
Site Disposition:	Eliminated - Potential for contamination considered remote due to limited scope and duration of activity performed at the site
Radioactice Materials Handled:	Yes
Primary Radioactivce Materials Handled:	Uranium
Radiological Survey(S):	None Indicated
Long Term Care Requirements:	Not reported
Historical Operations:	Not reported
Website URL:	http://www.lm.doe.gov/Considered_Sites/Simmons_Machine_and_Tool_Inc_-_NY_35

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26 WNW 1/2-1 0.667 mi. 3522 ft.

Relative: Lower

Actual: 32 ft.

C & F PLATING CO INC
406 NORTH PEARL STREET
ALBANY, NY 12207

SEMS **1000127925**
RCRA-LQG **NYD002077444**
NY SHWS
NY ENG CONTROLS
NY INST CONTROL
NY Spills
NY MANIFEST
NJ MANIFEST

SEMS:

Site ID:	0204500
EPA ID:	NYD002077444
Name:	C & F PLATING CO INC
Address:	406 NORTH PEARL STREET
Address 2:	Not reported
City,State,Zip:	ALBANY, NY 12207
Cong District:	21
FIPS Code:	36001
Latitude:	+42.66361
Longitude:	-073.74425
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

SEMS Detail:

Region:	02
Site ID:	0204500
EPA ID:	NYD002077444
Site Name:	C & F PLATING CO INC
NPL:	N
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	2003-05-27 04:00:00
Finish Date:	2003-09-09 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0204500
EPA ID:	NYD002077444
Site Name:	C & F PLATING CO INC

C & F PLATING CO INC (Continued) **1000127925**

NPL:	N
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	2003-11-03 05:00:00
Finish Date:	2004-07-20 04:00:00
Qual:	C
Current Action Lead:	EPA Perf

RCRA Listings:

Date Form Received by Agency:		20160603
Handler Name:	C & F PLATING NYSDEC SITE 401057	
Handler Address:		406 N PEARL ST
Handler City,State,Zip:		ALBANY, NY 12207
EPA ID:		NYD002077444
Contact Name:		MIKE MASON
Contact Address:		BROADWAY
Contact City,State,Zip:		ALBANY, NY 12233
Contact Telephone:		518-402-9613
Contact Fax:		Not reported
Contact Email:		MICHAEL.MASON@DEC.NY.GOV
Contact Title:		PROJECT MANAGER
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2015
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		NY
State District:		NYSDEC R4
Mailing Address:		WOODBRIDGE AVE
Mailing City,State,Zip:		EDISON, NJ 08837
Owner Name:	C & F PLATING	
Owner Type:		Private
Operator Name:	NYSDEC	
Operator Type:		State
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

C & F PLATING CO INC (Continued) **1000127925**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20161107
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D006
Waste Description: CADMIUM

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

C & F PLATING CO INC (Continued) **1000127925**

Waste Code: F007
Waste Description: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: OWNERNAME
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, WY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: OWNERNAME
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, WY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: C & F PLATING
Legal Status: Private
Date Became Current: 19000101
Date Ended Current: Not reported
Owner/Operator Address: 406 N PEARL ST
Owner/Operator City,State,Zip: ALBANY, NY 12207
Owner/Operator Telephone: 518-402-9613
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: OWNERNAME
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, WY 99999
Owner/Operator Telephone: 212-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NYSDEC
Legal Status: State
Date Became Current: 20150101
Date Ended Current: Not reported

C & F PLATING CO INC (Continued) **1000127925**

Owner/Operator Address: 625 BROADWAY
Owner/Operator City,State,Zip: ALBANY, NY 12233
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20160603
Handler Name: C & F PLATING NYSDEC SITE 401057
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990708
Handler Name: C & F PLATING CO INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040212
Handler Name: MARIO LEPORE
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060101
Handler Name: MARIO LEPORE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

C & F PLATING CO INC (Continued) **1000127925**

Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20070101
Handler Name: MARIO LEPORE	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19800815
Handler Name: C & F PLATING CO INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	332813
NAICS Description:	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING
NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

C & F PLATING CO INC (Continued) **1000127925**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20030107
Actual Return to Compliance Date: 20040520
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20030820
Enforcement Responsible Agency: State
Enforcement Docket Number: 4-20030317-32
Enforcement Attorney: SH
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: 20040520
Disposition Status: DR
Disposition Status Description: DROPPED
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: ATYSH
Enforcement Responsible Sub-Organization: CO
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

C & F PLATING CO INC (Continued) **1000127925**

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20030107
Actual Return to Compliance Date:	20040520
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20030108
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	20040520
Disposition Status:	DR
Disposition Status Description:	DROPPED

C & F PLATING CO INC (Continued) **1000127925**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYHBR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

C & F PLATING CO INC (Continued) **1000127925**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20030107
Actual Return to Compliance Date:	20040520
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20030530
Enforcement Responsible Agency:	State
Enforcement Docket Number:	4-20030317-32
Enforcement Attorney:	SH
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	20040520
Disposition Status:	DR
Disposition Status Description:	DROPPED
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	ATYSH
Enforcement Responsible Sub-Organization:	CO
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20030107
Actual Return to Compliance Date:	20040520
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

C & F PLATING CO INC (Continued) **1000127925**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

C & F PLATING CO INC (Continued) **1000127925**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20030107
Actual Return to Compliance Date:	20040520
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20031112
Enforcement Responsible Agency:	State
Enforcement Docket Number:	4-20030317-32
Enforcement Attorney:	SH
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	20040520
Disposition Status:	DR
Disposition Status Description:	DROPPED
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	ATYSH
Enforcement Responsible Sub-Organization:	CO
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	35000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	35000

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

C & F PLATING CO INC (Continued) **1000127925**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

C & F PLATING CO INC (Continued) **1000127925**

Evaluation Action Summary:

Evaluation Date:	20030522
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	NYBKP
Evaluation Responsible Sub-Organization:	CO
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20030107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20040520
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19991216
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2MD
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20030107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20040520
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20040524
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER

C & F PLATING CO INC (Continued) **1000127925**

Evaluation Responsible Person Identifier:	NYBKP
Evaluation Responsible Sub-Organization:	CO
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20040520
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20040520
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19850814
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030107
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20040520
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported

C & F PLATING CO INC (Continued) **1000127925**

Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980326
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDVO
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19891220
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

SHWS:

Name:	C AND F PLATING
Address:	406 N. PEARL ST.
City,State,Zip:	ALBANY, NY 12207
Program:	HW
Site Code:	415349
Classification:	Site is properly closed - requires continued management.
Region:	4
Acres:	0.340
HW Code:	401057
Record Add:	06/19/2009
Record Upd:	03/29/2022
Updated By:	LSZINOMA
Site Description:	"Location: The site is an approximately 0.34-acre parcel located at 406 North Pearl Street in the City of Albany, Albany County, New York. The site is bound by the Patroon Creek to the North, a heating and cooling company to the west, and a commercial/industrial building to the east. The site is located in a mixed commercial/industrial section of Albany Site Features: The site consists of a generally flat lot. The surface of the site is asphalt, concrete, or gravel. The site and surrounding area is located at approximately 30 feet above mean sea level. Access to the site is restricted through the adjacent property, 404 North Pearl Street. Current Zoning and Land Use: The site is zoned commercial/industrial, and is currently used as a parking lot for Family Danz, located at 404 North Pearl Street. The surrounding parcels are currently used for a combination of

C & F PLATING CO INC (Continued) **1000127925**

commercial and light industrial uses. Past Use of the Site: Until 1985 the site was used as an auto repair shop, metal working facility, and a machine shop. Prior uses that appear to have led to site contamination include metal plating and improper storage of materials. On June 27, 2003, the EPA conducted a Removal Site Evaluation which included a limited inventory of over 40 containers and several vats. Labeling on these materials indicated the presence of strong acids and bases including containers of chromic acid, sodium hydroxide, and zinc solutions. The EPA conducted an emergency removal of 2,000 gallons of hazardous waste at the site between November 3, 2003 and July 20, 2004, effectively removing all waste materials stored in drums, canisters, and vats existing on the site. Between June 2014 and November 2015 NYSDEC conducted remedial activities including asbestos-containing material abatement and building demolition, excavation of debris from the basement of the former building, removal of drums of hazardous materials encountered during building demolition, and stabilization of Patroon Creek with a permanent retaining wall. Site Geology/Hydrogeology: The site is located within the Hudson Mohawk Lowland Physiographic Province. The overburden soils in the surrounding area have been characterized as lacustrine sand, which are composed of well sorted, stratified sand deposits, or lacustrine silt and clay, which are composed of generally laminated silt and clay (Cadwell et al, 1987). The bedrock geology identified in the vicinity of the property is the Normanskill Shale, which is of Middle Ordovician origin. Subsurface soils encountered at the site were generally composed of silty sand, silt, silty clay and some gravel. Groundwater is approximately 8 feet below grade and generally flows southeast toward the Patroon Creek. "

Env Problem:	"Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were cadmium, chromium, copper, lead, mercury, zinc, barium, and nickel in the surface and subsurface soils. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan."
Health Problem:	"Remedial actions are complete and measures are in place to prevent people from coming in contact with remaining site contamination."
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2011-01-19 15:25:00
Record Upd:	2012-10-18 11:25:00
Updated By:	ldennist
Own Op:	1
Sub Type:	05
Owner Name:	Todd Danz
Owner Company:	DANZ Holdings, LLC
Owner Address:	404 North Pearl Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12207
Owner Country:	United States of America
Own Op:	Document Repository

C & F PLATING CO INC (Continued) **1000127925**

Sub Type:	NNN
Owner Name:	Librarian
Owner Company:	Albany Public Library
Owner Address:	616 North Pearl Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12204
Owner Country:	United States of America
HW Code:	401057
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	NICKEL
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	ZINC
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	0209561
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2009-06-19 09:13:00
Record Updated:	2009-06-19 09:16:00
Updated By:	MOBARRIE
Crossref ID:	R2020-20618
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2020-11-16 08:13:00
Record Updated:	2020-11-16 08:13:00
Updated By:	BLSCHARF

ENG CONTROLS:

Name:	C AND F PLATING
Address:	406 N. PEARL ST.
City,State,Zip:	ALBANY, NY 12207
Site Code:	415349

C & F PLATING CO INC (Continued) **1000127925**

HW Code:	401057
Control Code:	15
Control Type:	ENG
Date Record Added:	03/27/2019
Date Rec Updated:	09/20/2019
Updated By:	SKSAUCIE
Site Description:	"Location: The site is an approximately 0.34-acre parcel located at 406 North Pearl Street in the City of Albany, Albany County, New York. The site is bound by the Patroon Creek to the North, a heating and cooling company to the west, and a commercial/industrial building to the east. The site is located in a mixed commercial/industrial section of Albany Site Features: The site consists of a generally flat lot. The surface of the site is asphalt, concrete, or gravel. The site and surrounding area is located at approximately 30 feet above mean sea level. Access to the site is restricted through the adjacent property, 404 North Pearl Street. Current Zoning and Land Use: The site is zoned commercial/industrial, and is currently used as a parking lot for Family Danz, located at 404 North Pearl Street. The surrounding parcels are currently used for a combination of commercial and light industrial uses. Past Use of the Site: Until 1985 the site was used as an auto repair shop, metal working facility, and a machine shop. Prior uses that appear to have led to site contamination include metal plating and improper storage of materials. On June 27, 2003, the EPA conducted a Removal Site Evaluation which included a limited inventory of over 40 containers and several vats. Labeling on these materials indicated the presence of strong acids and bases including containers of chromic acid, sodium hydroxide, and zinc solutions. The EPA conducted an emergency removal of 2,000 gallons of hazardous waste at the site between November 3, 2003 and July 20, 2004, effectively removing all waste materials stored in drums, canisters, and vats existing on the site. Between June 2014 and November 2015 NYSDEC conducted remedial activities including asbestos-containing material abatement and building demolition, excavation of debris from the basement of the former building, removal of drums of hazardous materials encountered during building demolition, and stabilization of Patroon Creek with a permanent retaining wall. Site Geology/Hydrogeology: The site is located within the Hudson Mohawk Lowland Physiographic Province. The overburden soils in the surrounding area have been characterized as lacustrine sand, which are composed of well sorted, stratified sand deposits, or lacustrine silt and clay, which are composed of generally laminated silt and clay (Cadwell et al, 1987). The bedrock geology identified in the vicinity of the property is the Normanskill Shale, which is of Middle Ordovician origin. Subsurface soils encountered at the site were generally composed of silty sand, silt, silty clay and some gravel. Groundwater is approximately 8 feet below grade and generally flows southeast toward the Patroon Creek. "
Env Problem:	"Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were cadmium, chromium, copper, lead, mercury, zinc, barium, and nickel in the surface and subsurface soils. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan."
Health Problem:	"Remedial actions are complete and measures are in place to prevent people from coming in contact with remaining site contamination."
Dump:	False
Structure:	False

C & F PLATING CO INC (Continued) **1000127925**

Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2011-01-19 15:25:00
Record Upd:	2012-10-18 11:25:00
Updated By:	ldennist
Own Op:	1
Sub Type:	05
Owner Name:	Todd Danz
Owner Company:	DANZ Holdings, LLC
Owner Address:	404 North Pearl Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12207
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Librarian
Owner Company:	Albany Public Library
Owner Address:	616 North Pearl Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12204
Owner Country:	United States of America
HW Code:	401057
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	NICKEL
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	ZINC
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	LEAD
Waste Quantity:	UNKNOWN

C & F PLATING CO INC (Continued) **1000127925**

Waste Code:	Not reported
Crossref ID:	0209561
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2009-06-19 09:13:00
Record Updated:	2009-06-19 09:16:00
Updated By:	MOBARRIE
Crossref ID:	R2020-20618
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2020-11-16 08:13:00
Record Updated:	2020-11-16 08:13:00
Updated By:	BLSCHARF
Name:	C AND F PLATING
Address:	406 N. PEARL ST.
City,State,Zip:	ALBANY, NY 12207
Site Code:	415349
HW Code:	401057
Control Code:	36
Control Type:	ENG
Date Record Added:	03/27/2019
Date Rec Updated:	09/20/2019
Updated By:	SKSAUCIE
Site Description:	"Location: The site is an approximately 0.34-acre parcel located at 406 North Pearl Street in the City of Albany, Albany County, New York. The site is bound by the Patroon Creek to the North, a heating and cooling company to the west, and a commercial/industrial building to the east. The site is located in a mixed commercial/industrial section of Albany Site Features: The site consists of a generally flat lot. The surface of the site is asphalt, concrete, or gravel. The site and surrounding area is located at approximately 30 feet above mean sea level. Access to the site is restricted through the adjacent property, 404 North Pearl Street. Current Zoning and Land Use: The site is zoned commercial/industrial, and is currently used as a parking lot for Family Danz, located at 404 North Pearl Street. The surrounding parcels are currently used for a combination of commercial and light industrial uses. Past Use of the Site: Until 1985 the site was used as an auto repair shop, metal working facility, and a machine shop. Prior uses that appear to have led to site contamination include metal plating and improper storage of materials. On June 27, 2003, the EPA conducted a Removal Site Evaluation which included a limited inventory of over 40 containers and several vats. Labeling on these materials indicated the presence of strong acids and bases including containers of chromic acid, sodium hydroxide, and zinc solutions. The EPA conducted an emergency removal of 2,000 gallons of hazardous waste at the site between November 3, 2003 and July 20, 2004, effectively removing all waste materials stored in drums, canisters, and vats existing on the site. Between June 2014 and November 2015 NYSDEC conducted remedial activities including asbestos-containing material abatement and building demolition, excavation of debris from the basement of the former building, removal of drums of hazardous materials encountered during building demolition, and stabilization of Patroon Creek with a permanent retaining wall. Site Geology/Hydrogeology: The site is located within the Hudson Mohawk Lowland Physiographic Province. The overburden soils in the surrounding area have been characterized as

C & F PLATING CO INC (Continued) **1000127925**

	lacustrine sand, which are composed of well sorted, stratified sand deposits, or lacustrine silt and clay, which are composed of generally laminated silt and clay (Cadwell et al, 1987). The bedrock geology identified in the vicinity of the property is the Normanskill Shale, which is of Middle Ordovician origin. Subsurface soils encountered at the site were generally composed of silty sand, silt, silty clay and some gravel. Groundwater is approximately 8 feet below grade and generally flows southeast toward the Patroon Creek. "
Env Problem:	"Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were cadmium, chromium, copper, lead, mercury, zinc, barium, and nickel in the surface and subsurface soils. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan."
Health Problem:	"Remedial actions are complete and measures are in place to prevent people from coming in contact with remaining site contamination."
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2011-01-19 15:25:00
Record Upd:	2012-10-18 11:25:00
Updated By:	ldennist
Own Op:	1
Sub Type:	05
Owner Name:	Todd Danz
Owner Company:	DANZ Holdings, LLC
Owner Address:	404 North Pearl Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12207
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Librarian
Owner Company:	Albany Public Library
Owner Address:	616 North Pearl Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12204
Owner Country:	United States of America
HW Code:	401057
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	NICKEL
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057

C & F PLATING CO INC (Continued) **1000127925**

Waste Type:	ZINC
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	0209561
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2009-06-19 09:13:00
Record Updated:	2009-06-19 09:16:00
Updated By:	MOBARRIE
Crossref ID:	R2020-20618
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2020-11-16 08:13:00
Record Updated:	2020-11-16 08:13:00
Updated By:	BLSCHARF

Name:	C AND F PLATING
Address:	406 N. PEARL ST.
City,State,Zip:	ALBANY, NY 12207
Site Code:	415349
HW Code:	401057
Control Code:	22
Control Type:	ENG
Date Record Added:	03/27/2019
Date Rec Updated:	09/20/2019
Updated By:	SKSAUCIE
Site Description:	"Location: The site is an approximately 0.34-acre parcel located at 406 North Pearl Street in the City of Albany, Albany County, New York. The site is bound by the Patroon Creek to the North, a heating and cooling company to the west, and a commercial/industrial building to the east. The site is located in a mixed commercial/industrial section of Albany Site Features: The site consists of a generally flat lot. The surface of the site is asphalt, concrete, or gravel. The site and surrounding area is located at approximately 30 feet above mean sea level. Access to the site is restricted through the adjacent property, 404 North Pearl Street. Current Zoning and Land Use: The site is zoned commercial/industrial, and is currently used as a parking lot for Family Danz, located at 404 North Pearl Street. The surrounding parcels are currently used for a combination of commercial and light industrial uses. Past Use of the Site: Until 1985 the site was used as an auto repair shop, metal working

C & F PLATING CO INC (Continued) **1000127925**

facility, and a machine shop. Prior uses that appear to have led to site contamination include metal plating and improper storage of materials. On June 27, 2003, the EPA conducted a Removal Site Evaluation which included a limited inventory of over 40 containers and several vats. Labeling on these materials indicated the presence of strong acids and bases including containers of chromic acid, sodium hydroxide, and zinc solutions. The EPA conducted an emergency removal of 2,000 gallons of hazardous waste at the site between November 3, 2003 and July 20, 2004, effectively removing all waste materials stored in drums, canisters, and vats existing on the site. Between June 2014 and November 2015 NYSDEC conducted remedial activities including asbestos-containing material abatement and building demolition, excavation of debris from the basement of the former building, removal of drums of hazardous materials encountered during building demolition, and stabilization of Patroon Creek with a permanent retaining wall. Site Geology/Hydrogeology: The site is located within the Hudson Mohawk Lowland Physiographic Province. The overburden soils in the surrounding area have been characterized as lacustrine sand, which are composed of well sorted, stratified sand deposits, or lacustrine silt and clay, which are composed of generally laminated silt and clay (Cadwell et al, 1987). The bedrock geology identified in the vicinity of the property is the Normanskill Shale, which is of Middle Ordovician origin. Subsurface soils encountered at the site were generally composed of silty sand, silt, silty clay and some gravel. Groundwater is approximately 8 feet below grade and generally flows southeast toward the Patroon Creek. "

Env Problem:	"Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were cadmium, chromium, copper, lead, mercury, zinc, barium, and nickel in the surface and subsurface soils. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan."
Health Problem:	"Remedial actions are complete and measures are in place to prevent people from coming in contact with remaining site contamination."
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2011-01-19 15:25:00
Record Upd:	2012-10-18 11:25:00
Updated By:	ldennist
Own Op:	1
Sub Type:	05
Owner Name:	Todd Danz
Owner Company:	DANZ Holdings, LLC
Owner Address:	404 North Pearl Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12207
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Librarian

C & F PLATING CO INC (Continued) **1000127925**

Owner Company:	Albany Public Library
Owner Address:	616 North Pearl Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12204
Owner Country:	United States of America
HW Code:	401057
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	NICKEL
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	ZINC
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	0209561
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2009-06-19 09:13:00
Record Updated:	2009-06-19 09:16:00
Updated By:	MOBARRIE
Crossref ID:	R2020-20618
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2020-11-16 08:13:00
Record Updated:	2020-11-16 08:13:00
Updated By:	BLSCHARF

INST CONTROL:

Name:	C AND F PLATING
Address:	406 N. PEARL ST.
City,State,Zip:	ALBANY, NY 12207
Site Code:	415349
Control Name:	Environmental Easement
HW Code:	401057

C & F PLATING CO INC (Continued) **1000127925**

Control Code: J
Control Type: INST
Dt record added: 03/27/2019
Dt rec updated: 09/20/2019
Updated By: SKSAUCIE
Site Code: 415349
Site Description: "Location: The site is an approximately 0.34-acre parcel located at 406 North Pearl Street in the City of Albany, Albany County, New York. The site is bound by the Patroon Creek to the North, a heating and cooling company to the west, and a commercial/industrial building to the east. The site is located in a mixed commercial/industrial section of Albany Site Features: The site consists of a generally flat lot. The surface of the site is asphalt, concrete, or gravel. The site and surrounding area is located at approximately 30 feet above mean sea level. Access to the site is restricted through the adjacent property, 404 North Pearl Street. Current Zoning and Land Use: The site is zoned commercial/industrial, and is currently used as a parking lot for Family Danz, located at 404 North Pearl Street. The surrounding parcels are currently used for a combination of commercial and light industrial uses. Past Use of the Site: Until 1985 the site was used as an auto repair shop, metal working facility, and a machine shop. Prior uses that appear to have led to site contamination include metal plating and improper storage of materials. On June 27, 2003, the EPA conducted a Removal Site Evaluation which included a limited inventory of over 40 containers and several vats. Labeling on these materials indicated the presence of strong acids and bases including containers of chromic acid, sodium hydroxide, and zinc solutions. The EPA conducted an emergency removal of 2,000 gallons of hazardous waste at the site between November 3, 2003 and July 20, 2004, effectively removing all waste materials stored in drums, canisters, and vats existing on the site. Between June 2014 and November 2015 NYSDEC conducted remedial activities including asbestos-containing material abatement and building demolition, excavation of debris from the basement of the former building, removal of drums of hazardous materials encountered during building demolition, and stabilization of Patroon Creek with a permanent retaining wall. Site Geology/Hydrogeology: The site is located within the Hudson Mohawk Lowland Physiographic Province. The overburden soils in the surrounding area have been characterized as lacustrine sand, which are composed of well sorted, stratified sand deposits, or lacustrine silt and clay, which are composed of generally laminated silt and clay (Cadwell et al, 1987). The bedrock geology identified in the vicinity of the property is the Normanskill Shale, which is of Middle Ordovician origin. Subsurface soils encountered at the site were generally composed of silty sand, silt, silty clay and some gravel. Groundwater is approximately 8 feet below grade and generally flows southeast toward the Patroon Creek. "
Env Problem: "Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were cadmium, chromium, copper, lead, mercury, zinc, barium, and nickel in the surface and subsurface soils. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan."
Health Problem: "Remedial actions are complete and measures are in place to prevent people from coming in contact with remaining site contamination."
Dump: False
Structure: False

C & F PLATING CO INC (Continued) **1000127925**

Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-19 15:25:00
Record Upd: 2012-10-18 11:25:00
Updated By: ldennist
Own Op: 1
Sub Type: 05
Owner Name: Todd Danz
Owner Company: DANZ Holdings, LLC
Owner Address: 404 North Pearl Street
Owner Addr2: Not reported
Owner City,St,Zip: Albany, NY 12207
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Librarian
Owner Company: Albany Public Library
Owner Address: 616 North Pearl Street
Owner Addr2: Not reported
Owner City,St,Zip: Albany, NY 12204
Owner Country: United States of America
HW Code: 401057
Waste Type: CHROMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: CADMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: NICKEL
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: ZINC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: LEAD
Waste Quantity: UNKNOWN

C & F PLATING CO INC (Continued) **1000127925**

Waste Code: Not reported
Crossref ID: 0209561
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2009-06-19 09:13:00
Record Updated: 2009-06-19 09:16:00
Updated By: MOBARRIE
Crossref ID: R2020-20618
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2020-11-16 08:13:00
Record Updated: 2020-11-16 08:13:00
Updated By: BLSCHARF

Name: C AND F PLATING
Address: 406 N. PEARL ST.
City,State,Zip: ALBANY, NY 12207
Site Code: 415349
Control Name: Monitoring Plan
HW Code: 401057
Control Code: 31
Control Type: INST
Dt record added: 03/27/2019
Dt rec updated: 09/20/2019
Updated By: SKSAUCIE
Site Code: 415349
Site Description: "Location: The site is an approximately 0.34-acre parcel located at 406 North Pearl Street in the City of Albany, Albany County, New York. The site is bound by the Patroon Creek to the North, a heating and cooling company to the west, and a commercial/industrial building to the east. The site is located in a mixed commercial/industrial section of Albany Site Features: The site consists of a generally flat lot. The surface of the site is asphalt, concrete, or gravel. The site and surrounding area is located at approximately 30 feet above mean sea level. Access to the site is restricted through the adjacent property, 404 North Pearl Street. Current Zoning and Land Use: The site is zoned commercial/industrial, and is currently used as a parking lot for Family Danz, located at 404 North Pearl Street. The surrounding parcels are currently used for a combination of commercial and light industrial uses. Past Use of the Site: Until 1985 the site was used as an auto repair shop, metal working facility, and a machine shop. Prior uses that appear to have led to site contamination include metal plating and improper storage of materials. On June 27, 2003, the EPA conducted a Removal Site Evaluation which included a limited inventory of over 40 containers and several vats. Labeling on these materials indicated the presence of strong acids and bases including containers of chromic acid, sodium hydroxide, and zinc solutions. The EPA conducted an emergency removal of 2,000 gallons of hazardous waste at the site between November 3, 2003 and July 20, 2004, effectively removing all waste materials stored in drums, canisters, and vats existing on the site. Between June 2014 and November 2015 NYSDEC conducted remedial activities including asbestos-containing material abatement and building demolition, excavation of debris from the basement of the former building, removal of drums of hazardous materials encountered during building demolition, and stabilization of Patroon Creek with a permanent retaining wall. Site Geology/Hydrogeology: The site is

C & F PLATING CO INC (Continued) **1000127925**

located within the Hudson Mohawk Lowland Physiographic Province. The overburden soils in the surrounding area have been characterized as lacustrine sand, which are composed of well sorted, stratified sand deposits, or lacustrine silt and clay, which are composed of generally laminated silt and clay (Cadwell et al, 1987). The bedrock geology identified in the vicinity of the property is the Normanskill Shale, which is of Middle Ordovician origin. Subsurface soils encountered at the site were generally composed of silty sand, silt, silty clay and some gravel. Groundwater is approximately 8 feet below grade and generally flows southeast toward the Patroon Creek. "

Env Problem: "Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were cadmium, chromium, copper, lead, mercury, zinc, barium, and nickel in the surface and subsurface soils. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to prevent people from coming in contact with remaining site contamination."

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-19 15:25:00
Record Upd: 2012-10-18 11:25:00
Updated By: ldennist
Own Op: 1
Sub Type: 05
Owner Name: Todd Danz
Owner Company: DANZ Holdings, LLC
Owner Address: 404 North Pearl Street
Owner Addr2: Not reported
Owner City,St,Zip: Albany, NY 12207
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Librarian
Owner Company: Albany Public Library
Owner Address: 616 North Pearl Street
Owner Addr2: Not reported
Owner City,St,Zip: Albany, NY 12204
Owner Country: United States of America
HW Code: 401057
Waste Type: CHROMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: CADMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: NICKEL
Waste Quantity: UNKNOWN

C & F PLATING CO INC (Continued) **1000127925**

Waste Code: Not reported
HW Code: 401057
Waste Type: ZINC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 0209561
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2009-06-19 09:13:00
Record Updated: 2009-06-19 09:16:00
Updated By: MOBARRIE
Crossref ID: R2020-20618
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2020-11-16 08:13:00
Record Updated: 2020-11-16 08:13:00
Updated By: BLSCHARF

Name: C AND F PLATING
Address: 406 N. PEARL ST.
City,State,Zip: ALBANY, NY 12207
Site Code: 415349
Control Name: Site Management Plan
HW Code: 401057
Control Code: 32
Control Type: INST
Dt record added: 03/27/2019
Dt rec updated: 09/20/2019
Updated By: SKSAUCIE
Site Code: 415349
Site Description: "Location: The site is an approximately 0.34-acre parcel located at 406 North Pearl Street in the City of Albany, Albany County, New York. The site is bound by the Patroon Creek to the North, a heating and cooling company to the west, and a commercial/industrial building to the east. The site is located in a mixed commercial/industrial section of Albany Site Features: The site consists of a generally flat lot. The surface of the site is asphalt, concrete, or gravel. The site and surrounding area is located at approximately 30 feet above mean sea level. Access to the site is restricted through the adjacent property, 404 North Pearl Street. Current Zoning and Land Use: The site is zoned commercial/industrial, and is currently used

C & F PLATING CO INC (Continued) **1000127925**

as a parking lot for Family Danz, located at 404 North Pearl Street. The surrounding parcels are currently used for a combination of commercial and light industrial uses. Past Use of the Site: Until 1985 the site was used as an auto repair shop, metal working facility, and a machine shop. Prior uses that appear to have led to site contamination include metal plating and improper storage of materials. On June 27, 2003, the EPA conducted a Removal Site Evaluation which included a limited inventory of over 40 containers and several vats. Labeling on these materials indicated the presence of strong acids and bases including containers of chromic acid, sodium hydroxide, and zinc solutions. The EPA conducted an emergency removal of 2,000 gallons of hazardous waste at the site between November 3, 2003 and July 20, 2004, effectively removing all waste materials stored in drums, canisters, and vats existing on the site. Between June 2014 and November 2015 NYSDEC conducted remedial activities including asbestos-containing material abatement and building demolition, excavation of debris from the basement of the former building, removal of drums of hazardous materials encountered during building demolition, and stabilization of Patroon Creek with a permanent retaining wall. Site Geology/Hydrogeology: The site is located within the Hudson Mohawk Lowland Physiographic Province. The overburden soils in the surrounding area have been characterized as lacustrine sand, which are composed of well sorted, stratified sand deposits, or lacustrine silt and clay, which are composed of generally laminated silt and clay (Cadwell et al, 1987). The bedrock geology identified in the vicinity of the property is the Normanskill Shale, which is of Middle Ordovician origin. Subsurface soils encountered at the site were generally composed of silty sand, silt, silty clay and some gravel. Groundwater is approximately 8 feet below grade and generally flows southeast toward the Patroon Creek. "

Env Problem: "Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were cadmium, chromium, copper, lead, mercury, zinc, barium, and nickel in the surface and subsurface soils. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to prevent people from coming in contact with remaining site contamination."

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-19 15:25:00
Record Upd: 2012-10-18 11:25:00
Updated By: ldennist
Own Op: 1
Sub Type: 05
Owner Name: Todd Danz
Owner Company: DANZ Holdings, LLC
Owner Address: 404 North Pearl Street
Owner Addr2: Not reported
Owner City,St,Zip: Albany, NY 12207

C & F PLATING CO INC (Continued) **1000127925**

Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Librarian
Owner Company: Albany Public Library
Owner Address: 616 North Pearl Street
Owner Addr2: Not reported
Owner City,St,Zip: Albany, NY 12204
Owner Country: United States of America
HW Code: 401057
Waste Type: CHROMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: CADMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: NICKEL
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: ZINC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 0209561
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2009-06-19 09:13:00
Record Updated: 2009-06-19 09:16:00
Updated By: MOBARRIE
Crossref ID: R2020-20618
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2020-11-16 08:13:00
Record Updated: 2020-11-16 08:13:00
Updated By: BLSCHARF

Name: C AND F PLATING
Address: 406 N. PEARL ST.
City,State,Zip: ALBANY, NY 12207

C & F PLATING CO INC (Continued) **1000127925**

Site Code: 415349
Control Name: Soil Management Plan
HW Code: 401057
Control Code: 14
Control Type: INST
Dt record added: 03/27/2019
Dt rec updated: 09/20/2019
Updated By: SKSAUCIE
Site Code: 415349
Site Description: "Location: The site is an approximately 0.34-acre parcel located at 406 North Pearl Street in the City of Albany, Albany County, New York. The site is bound by the Patroon Creek to the North, a heating and cooling company to the west, and a commercial/industrial building to the east. The site is located in a mixed commercial/industrial section of Albany Site Features: The site consists of a generally flat lot. The surface of the site is asphalt, concrete, or gravel. The site and surrounding area is located at approximately 30 feet above mean sea level. Access to the site is restricted through the adjacent property, 404 North Pearl Street. Current Zoning and Land Use: The site is zoned commercial/industrial, and is currently used as a parking lot for Family Danz, located at 404 North Pearl Street. The surrounding parcels are currently used for a combination of commercial and light industrial uses. Past Use of the Site: Until 1985 the site was used as an auto repair shop, metal working facility, and a machine shop. Prior uses that appear to have led to site contamination include metal plating and improper storage of materials. On June 27, 2003, the EPA conducted a Removal Site Evaluation which included a limited inventory of over 40 containers and several vats. Labeling on these materials indicated the presence of strong acids and bases including containers of chromic acid, sodium hydroxide, and zinc solutions. The EPA conducted an emergency removal of 2,000 gallons of hazardous waste at the site between November 3, 2003 and July 20, 2004, effectively removing all waste materials stored in drums, canisters, and vats existing on the site. Between June 2014 and November 2015 NYSDEC conducted remedial activities including asbestos-containing material abatement and building demolition, excavation of debris from the basement of the former building, removal of drums of hazardous materials encountered during building demolition, and stabilization of Patroon Creek with a permanent retaining wall. Site Geology/Hydrogeology: The site is located within the Hudson Mohawk Lowland Physiographic Province. The overburden soils in the surrounding area have been characterized as lacustrine sand, which are composed of well sorted, stratified sand deposits, or lacustrine silt and clay, which are composed of generally laminated silt and clay (Cadwell et al, 1987). The bedrock geology identified in the vicinity of the property is the Normanskill Shale, which is of Middle Ordovician origin. Subsurface soils encountered at the site were generally composed of silty sand, silt, silty clay and some gravel. Groundwater is approximately 8 feet below grade and generally flows southeast toward the Patroon Creek. "
Env Problem: "Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were cadmium, chromium, copper, lead, mercury, zinc, barium, and nickel in the surface and subsurface soils. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan."
Health Problem: "Remedial actions are complete and measures are in place to prevent

C & F PLATING CO INC (Continued) **1000127925**

people from coming in contact with remaining site contamination."

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-19 15:25:00
Record Upd: 2012-10-18 11:25:00
Updated By: ldennist
Own Op: 1
Sub Type: 05
Owner Name: Todd Danz
Owner Company: DANZ Holdings, LLC
Owner Address: 404 North Pearl Street
Owner Addr2: Not reported
Owner City,St,Zip: Albany, NY 12207
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Librarian
Owner Company: Albany Public Library
Owner Address: 616 North Pearl Street
Owner Addr2: Not reported
Owner City,St,Zip: Albany, NY 12204
Owner Country: United States of America
HW Code: 401057
Waste Type: CHROMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: CADMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: NICKEL
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: ZINC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported

C & F PLATING CO INC (Continued) **1000127925**

HW Code: 401057
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 0209561
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2009-06-19 09:13:00
Record Updated: 2009-06-19 09:16:00
Updated By: MOBARRIE
Crossref ID: R2020-20618
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2020-11-16 08:13:00
Record Updated: 2020-11-16 08:13:00
Updated By: BLSCHARF

Name: C AND F PLATING
Address: 406 N. PEARL ST.
City,State,Zip: ALBANY, NY 12207
Site Code: 415349
Control Name: Landuse Restriction
HW Code: 401057
Control Code: 25
Control Type: INST
Dt record added: 03/27/2019
Dt rec updated: 09/20/2019
Updated By: SKSAUCIE
Site Code: 415349
Site Description: "Location: The site is an approximately 0.34-acre parcel located at 406 North Pearl Street in the City of Albany, Albany County, New York. The site is bound by the Patroon Creek to the North, a heating and cooling company to the west, and a commercial/industrial building to the east. The site is located in a mixed commercial/industrial section of Albany Site Features: The site consists of a generally flat lot. The surface of the site is asphalt, concrete, or gravel. The site and surrounding area is located at approximately 30 feet above mean sea level. Access to the site is restricted through the adjacent property, 404 North Pearl Street. Current Zoning and Land Use: The site is zoned commercial/industrial, and is currently used as a parking lot for Family Danz, located at 404 North Pearl Street. The surrounding parcels are currently used for a combination of commercial and light industrial uses. Past Use of the Site: Until 1985 the site was used as an auto repair shop, metal working facility, and a machine shop. Prior uses that appear to have led to site contamination include metal plating and improper storage of materials. On June 27, 2003, the EPA conducted a Removal Site Evaluation which included a limited inventory of over 40 containers and several vats. Labeling on these materials indicated the presence of strong acids and bases including containers of chromic acid, sodium hydroxide, and zinc solutions. The EPA conducted an emergency removal of 2,000 gallons of hazardous waste at the site between November 3, 2003 and July 20, 2004, effectively removing all waste materials stored in drums, canisters, and vats existing on the site. Between June 2014 and November 2015 NYSDEC conducted remedial activities including asbestos-containing material abatement and building demolition, excavation of debris from the basement of the

C & F PLATING CO INC (Continued) **1000127925**

	former building, removal of drums of hazardous materials encountered during building demolition, and stabilization of Patroon Creek with a permanent retaining wall. Site Geology/Hydrogeology: The site is located within the Hudson Mohawk Lowland Physiographic Province. The overburden soils in the surrounding area have been characterized as lacustrine sand, which are composed of well sorted, stratified sand deposits, or lacustrine silt and clay, which are composed of generally laminated silt and clay (Cadwell et al, 1987). The bedrock geology identified in the vicinity of the property is the Normanskill Shale, which is of Middle Ordovician origin. Subsurface soils encountered at the site were generally composed of silty sand, silt, silty clay and some gravel. Groundwater is approximately 8 feet below grade and generally flows southeast toward the Patroon Creek. "
Env Problem:	"Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were cadmium, chromium, copper, lead, mercury, zinc, barium, and nickel in the surface and subsurface soils. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan."
Health Problem:	"Remedial actions are complete and measures are in place to prevent people from coming in contact with remaining site contamination."
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2011-01-19 15:25:00
Record Upd:	2012-10-18 11:25:00
Updated By:	ldennist
Own Op:	1
Sub Type:	05
Owner Name:	Todd Danz
Owner Company:	DANZ Holdings, LLC
Owner Address:	404 North Pearl Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12207
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Librarian
Owner Company:	Albany Public Library
Owner Address:	616 North Pearl Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12204
Owner Country:	United States of America
HW Code:	401057
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401057
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported

C & F PLATING CO INC (Continued) **1000127925**

HW Code: 401057
Waste Type: NICKEL
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: ZINC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 0209561
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2009-06-19 09:13:00
Record Updated: 2009-06-19 09:16:00
Updated By: MOBARRIE
Crossref ID: R2020-20618
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2020-11-16 08:13:00
Record Updated: 2020-11-16 08:13:00
Updated By: BLSCHARF

Name: C AND F PLATING
Address: 406 N. PEARL ST.
City,State,Zip: ALBANY, NY 12207
Site Code: 415349
Control Name: Ground Water Use Restriction
HW Code: 401057
Control Code: 08
Control Type: INST
Dt record added: 03/27/2019
Dt rec updated: 09/20/2019
Updated By: SKSAUCIE
Site Code: 415349
Site Description: "Location: The site is an approximately 0.34-acre parcel located at 406 North Pearl Street in the City of Albany, Albany County, New York. The site is bound by the Patroon Creek to the North, a heating and cooling company to the west, and a commercial/industrial building to the east. The site is located in a mixed commercial/industrial section of Albany Site Features: The site consists of a generally flat lot. The surface of the site is asphalt, concrete, or gravel. The site and surrounding area is located at approximately 30 feet

C & F PLATING CO INC (Continued) **1000127925**

above mean sea level. Access to the site is restricted through the adjacent property, 404 North Pearl Street. Current Zoning and Land Use: The site is zoned commercial/industrial, and is currently used as a parking lot for Family Danz, located at 404 North Pearl Street. The surrounding parcels are currently used for a combination of commercial and light industrial uses. Past Use of the Site: Until 1985 the site was used as an auto repair shop, metal working facility, and a machine shop. Prior uses that appear to have led to site contamination include metal plating and improper storage of materials. On June 27, 2003, the EPA conducted a Removal Site Evaluation which included a limited inventory of over 40 containers and several vats. Labeling on these materials indicated the presence of strong acids and bases including containers of chromic acid, sodium hydroxide, and zinc solutions. The EPA conducted an emergency removal of 2,000 gallons of hazardous waste at the site between November 3, 2003 and July 20, 2004, effectively removing all waste materials stored in drums, canisters, and vats existing on the site. Between June 2014 and November 2015 NYSDEC conducted remedial activities including asbestos-containing material abatement and building demolition, excavation of debris from the basement of the former building, removal of drums of hazardous materials encountered during building demolition, and stabilization of Patroon Creek with a permanent retaining wall. Site Geology/Hydrogeology: The site is located within the Hudson Mohawk Lowland Physiographic Province. The overburden soils in the surrounding area have been characterized as lacustrine sand, which are composed of well sorted, stratified sand deposits, or lacustrine silt and clay, which are composed of generally laminated silt and clay (Cadwell et al, 1987). The bedrock geology identified in the vicinity of the property is the Normanskill Shale, which is of Middle Ordovician origin. Subsurface soils encountered at the site were generally composed of silty sand, silt, silty clay and some gravel. Groundwater is approximately 8 feet below grade and generally flows southeast toward the Patroon Creek. "

Env Problem: "Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were cadmium, chromium, copper, lead, mercury, zinc, barium, and nickel in the surface and subsurface soils. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan."

Health Problem: "Remedial actions are complete and measures are in place to prevent people from coming in contact with remaining site contamination."

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-19 15:25:00
Record Upd: 2012-10-18 11:25:00
Updated By: ldennist
Own Op: 1
Sub Type: 05
Owner Name: Todd Danz
Owner Company: DANZ Holdings, LLC

C & F PLATING CO INC (Continued) **1000127925**

Owner Address: 404 North Pearl Street
Owner Addr2: Not reported
Owner City,St,Zip: Albany, NY 12207
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Librarian
Owner Company: Albany Public Library
Owner Address: 616 North Pearl Street
Owner Addr2: Not reported
Owner City,St,Zip: Albany, NY 12204
Owner Country: United States of America
HW Code: 401057
Waste Type: CHROMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: CADMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: NICKEL
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: ZINC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 401057
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 0209561
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2009-06-19 09:13:00
Record Updated: 2009-06-19 09:16:00
Updated By: MOBARRIE
Crossref ID: R2020-20618
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2020-11-16 08:13:00
Record Updated: 2020-11-16 08:13:00
Updated By: BLSCHARF

C & F PLATING CO INC (Continued) **1000127925**

SPILLS:

Name:	C&F PLATING N. PEARL ST
Address:	406 N. PEARL ST
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	0209561 / 2010-09-08
Facility ID:	0209561
Facility Type:	ER
DER Facility ID:	182522
Site ID:	220656
DEC Region:	4
Spill Cause:	Abandoned Drums
Spill Class:	B2
SWIS:	0101
Spill Date:	2002-12-11
Investigator:	BXBROWN
Referred To:	Not reported
Reported to Dept:	2002-12-17
CID:	211
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-12-17
Spill Record Last Update:	2018-02-27
Spiller Name:	Not reported
Spiller Company:	MARIO LEPORE
Spiller Address:	LUTHER RD
Spiller Company:	001
Contact Name:	MARIO LEPORE
DEC Memo:	"See file (Edocs). HW 401057 [COMPUTER SEARCH FINDS AAAAAA ALL AROUND SERVICES - WE DO EVERYTHING LISTED AT 406 N. PEARL, 477-7562 (UNDER HEALTH & FITNESS, HOUSE CLEANING, PERSONAL SERV., REMODELING, & SWIMMING POOLS - !).] 1/02/2003 Letter to owner Mario Lepore from DHSM regarding hazardous waste violations. 2/10/2003 Followup letter 4/18/2003 DER letter requesting cleanup. 5/14/2003 Joint site investigation with BECI,DHSM, Optech Lepore ,realtors, and EPA. Optech estimates costs to exceed 100,000 5/15/2003 DEC letter to Lepore advising that EPA or DEC will perform cleanup. 5/27/2003 DER referral to EPA 5/30/2003 DHSM Attorney Hamilton sends legal notice to Lepore 8/20/2003 Motion for default 9/17/2003 EPA recommendation for Cercla removal action. 10/17/2003 Site visit with Carl Pellogrino (EPA) and DER program staff (DF,RR, JZ,MJ) 11/0?/2003 EPA removal action started 2/05/2004 Final shipment of materials. 11/10/2004 EPA pollution report. Spent ~ 110,000. Sampling shows residual contamination in dust. ~6/2005 DHSM continuing legal with AG. 6/16/2005 discussion with Mike Sterhaus (atty for Danz) and Dan Geraghty .Danz still interested 6/24/2005 Discussion with AC attorney Mike Lynch. County not prepared to proceed with ERP. Too many unknowns. T Danz had offered County $ for site but not completed because of similar concerns. 11/02/05 Met with County, Gary Rutnik, Jeff Neal , Mike Sterthaus and Mary von Wergers. County not interested in ERP. Hired PES to perform site investigation 12/21/05

C & F PLATING CO INC (Continued) **1000127925**

Agreed to 30 day extension of work plan submittal to 2/01/06 9/29/06 Steve Phelps answers that field work to start Tuesday but unable to perform sediment analysis. 11/07/06 Fieldwork mostly complete. Property may have been purchased at auction. 7/27/2007 Report under review. Meeting with new property owner planned. 3/13/08 Issued PRP notice letter to current owner, Mr. Bernabe, requesting a RI work plan to address the site and instructions to contact me with his intent by 4/11/08. 3/25/08 Received call from Mr. Bernabe citing numerous issues and requesting more time to decide how he intends to proceed. Granted to 4/22 with advice given to contact an attorney and environmental consultant before that time to make an informed decision. 1/9/09 Mr. Bernabe did not respond to notice letter. Therefore an Order on Consent citing violations to Article 17 was sent to him on this date. 9/8/10 A response was never received from Mr. Bernabe, therefore the site was designated a P site on the registry on 6/19/09. Spill is closed not meeting standards - will be completed in the haz waste program (HW401057) as appropriate. 11/7/11 - FOIL 11/340, Edoc CD"

Remarks: "CONSULTANT CONDUCTING SITE INVESTIGATION FOR ADJACENT PROPERTY OWNER PURCHASE FOUND A NUMBER OF CONTAINERS POTENTIALLY CONTAINING HAZ MAT - PREVIOUS SITE INVESTIGATIONS BY HAZ MATERIALS INDICATED SITE CLOSED WITHIN PROGRAM STANDARDS SEVERAL YEARS AGO DEC CONROY INVESTIGATING"

All Materials:

Site ID:	220656
Operable Unit ID:	862785
Operable Unit:	01
Material ID:	512981
Material Code:	0063A
Material Name:	unknown hazardous material
Case No.:	Not reported
Material FA:	Hazardous Material
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	C&F PLATING N. PEARL ST
Address:	406 N. PEARL ST
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	0209561 / 2010-09-08
Facility ID:	0209561
Facility Type:	ER
DER Facility ID:	182522
Site ID:	220656
DEC Region:	4
Spill Cause:	Abandoned Drums
Spill Class:	B2
SWIS:	0101
Spill Date:	2002-12-11
Investigator:	BXBROWN
Referred To:	Not reported
Reported to Dept:	2002-12-17
CID:	211
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other

C & F PLATING CO INC (Continued) **1000127925**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-12-17
Spill Record Last Update:	2018-02-27
Spiller Name:	Not reported
Spiller Company:	BELIUS BERNABE
Spiller Address:	P.O. BOX 827
Spiller Company:	999
Contact Name:	MARIO LEPORE
DEC Memo:	"See file (Edocs). HW 401057 [COMPUTER SEARCH FINDS AAAAAA ALL AROUND SERVICES - WE DO EVERYTHING LISTED AT 406 N. PEARL, 477-7562 (UNDER HEALTH & FITNESS, HOUSE CLEANING, PERSONAL SERV., REMODELING, & SWIMMING POOLS - !).] 1/02/2003 Letter to owner Mario Lepore from DHSM regarding hazardous waste violations. 2/10/2003 Followup letter 4/18/2003 DER letter requesting cleanup. 5/14/2003 Joint site investigation with BECI,DHSM, Optech Lepore ,realtors, and EPA. Optech estimates costs to exceed 100,000 5/15/2003 DEC letter to Lepore advising that EPA or DEC will perform cleanup. 5/27/2003 DER referral to EPA 5/30/2003 DHSM Attorney Hamilton sends legal notice to Lepore 8/20/2003 Motion for default 9/17/2003 EPA recommendation for Cercla removal action. 10/17/2003 Site visit with Carl Pellogrino (EPA) and DER program staff (DF,RR, JZ,MJ) 11/0?/2003 EPA removal action started 2/05/2004 Final shipment of materials. 11/10/2004 EPA pollution report. Spent ~ 110,000. Sampling shows residual contamination in dust. ~6/2005 DHSM continuing legal with AG. 6/16/2005 discussion with Mike Sterhaus (atty for Danz) and Dan Geraghty .Danz still interested 6/24/2005 Discussion with AC attorney Mike Lynch. County not prepared to proceed with ERP. Too many unknowns. T Danz had offered County $ for site but not completed because of similar concerns. 11/02/05 Met with County, Gary Rutnik, Jeff Neal , Mike Sterthaus and Mary von Wergers. County not interested in ERP. Hired PES to perform site investigation 12/21/05 Agreed to 30 day extension of work plan submittal to 2/01/06 9/29/06 Steve Phelps answers that field work to start Tuesday but unable to perform sediment analysis. 11/07/06 Fieldwork mostly complete. Property may have been purchased at auction. 7/27/2007 Report under review. Meeting with new property owner planned. 3/13/08 Issued PRP notice letter to current owner, Mr. Bernabe, requesting a RI work plan to address the site and instructions to contact me with his intent by 4/11/08. 3/25/08 Received call from Mr. Bernabe citing numerous issues and requesting more time to decide how he intends to proceed. Granted to 4/22 with advice given to contact an attorney and environmental consultant before that time to make an informed decision. 1/9/09 Mr. Bernabe did not respond to notice letter. Therefore an Order on Consent citing violations to Article 17 was sent to him on this date. 9/8/10 A response was never received from Mr. Bernabe, therefore the site was designated a P site on the registry on 6/19/09. Spill is closed not meeting standards - will be completed in the haz waste program (HW401057) as appropriate. 11/7/11 - FOIL 11/340, Edoc CD"
Remarks:	"CONSULTANT CONDUCTING SITE INVESTIGATION FOR ADJACENT PROPERTY OWNER PURCHASE FOUND A NUMBER OF CONTAINERS POTENTIALLY CONTAINING HAZ MAT - PREVIOUS SITE INVESTIGATIONS BY HAZ MATERIALS INDICATED SITE CLOSED

C & F PLATING CO INC (Continued) **1000127925**

WITHIN PROGRAM STANDARDS SEVERAL YEARS AGO DEC CONROY INVESTIGATING"

All Materials:

Site ID:	220656
Operable Unit ID:	862785
Operable Unit:	01
Material ID:	512981
Material Code:	0063A
Material Name:	unknown hazardous material
Case No.:	Not reported
Material FA:	Hazardous Material
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

NY MANIFEST:

Name:	C & F PLATING
Address:	406 N PEARL ST
City,State,Zip:	ALBANY, NY 12207-1312
Country:	USA
EPA ID:	NYD002077444
Facility Status:	Not reported
Location Address 1:	406 N PEARL ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	ALBANY
Location State:	NY
Location Zip:	12207
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD002077444
Mailing Name:	C & F PLATING
Mailing Contact:	C & F PLATING
Mailing Address 1:	2890 WOODBRIDGE AVE
Mailing Address 2:	Not reported
Mailing City:	EDISON
Mailing State:	NJ
Mailing Zip:	08837
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7323216794

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NY0001031814
Trans2 State ID:	NJ0000027193
Generator Ship Date:	12/03/2014
Trans1 Recv Date:	12/03/2014
Trans2 Recv Date:	12/05/2014
TSD Site Recv Date:	12/08/2014

C & F PLATING CO INC (Continued) **1000127925**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002077444
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	013285634JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	100
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D007
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	D002
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

NJ MANIFEST:

EPA Id:	NYD002077444
Mail Address:	2890 WOODBRIDGE AVE
Mail City/State/Zip:	EDISON 08837
Facility Phone:	7323216794
Emergency Phone:	Not reported
Contact:	Not reported
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

C & F PLATING CO INC (Continued) **1000127925**

Manifest:

Manifest Number:	NJA5051492
EPA ID:	NYD002077444
Date Shipped:	01/29/2004
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/29/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/29/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04200421
Was Load Rejected:	EDISON 08837
Reason Load Was Rejected:	Not reported

Manifest Number:	NJA5006689
EPA ID:	NYD002077444
Date Shipped:	01/29/2004
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/29/2004

C & F PLATING CO INC (Continued) **1000127925**

Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/29/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04200421
Was Load Rejected:	EDISON 08837
Reason Load Was Rejected:	Not reported

E27 **NATIONAL GRID N ALBANY SERVICE CENTER** **CORRACTS** **1000994204**
NNW **1125 BROADWAY** **RCRA-TSDF** **NYD000730408**
1/2-1 **ALBANY, NY 12204** **RCRA-LQG**
0.780 mi. **2020 COR ACTION**
4121 ft. **Site 1 of 3 in cluster E** **FTTS**
HIST FTTS

Relative:
Lower

Actual:
29 ft.

CORRACTS:

Name:	NATIONAL GRID N ALBANY SERVICE CENTER
Address:	1125 BROADWAY
Address 2:	Not reported
EPA ID:	NYD000730408
Area Name:	SITEWIDE
Corrective Action:	RFA COMPLETED
Actual Date:	19950112
Air Release Indicator:	Not reported
Groundwater Release Indicator:	Not reported
Soil Release Indicator:	Not reported
Surface Water Release Indicator:	Not reported

Name:	NATIONAL GRID N ALBANY SERVICE CENTER
Address:	1125 BROADWAY
Address 2:	Not reported
EPA ID:	NYD000730408
Area Name:	SITEWIDE
Corrective Action:	DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date:	19950112
Air Release Indicator:	Not reported
Groundwater Release Indicator:	Not reported
Soil Release Indicator:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Surface Water Release Indicator: Not reported

Name: NATIONAL GRID N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: SITEWIDE
Corrective Action: CA PRIORITIZATION-MEDIUM CA PRIORITY
Actual Date: 19950324
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: SITEWIDE
Corrective Action: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY
Actual Date: 19960612
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: RFA COMPLETED
Actual Date: 19950912
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19950912
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: INVESTIGATION IMPOSITION
Actual Date: 19960214

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: INVESTIGATION WORKPLAN RECEIVED
Actual Date: 19960401
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Actual Date: 19960613
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19960827
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Name: NATIONAL GRID N ALBANY SERVICE CENTER
Address: 1125 BROADWAY
Address 2: Not reported
EPA ID: NYD000730408
Area Name: MANUFACTURED GAS PLANT
Corrective Action: INVESTIGATION IMPLEMENTATION BEGUN
Actual Date: 19960923
Air Release Indicator: Not reported
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access
27 additional CORRACTS: record(s) in the EDR Site Report.

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

RCRA TSDF:

Treatment Storage and Disposal Type:	Storage
Full Enforcement Universe:	Not reported
Corrective Action Workload Universe:	No
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
Operating TSDF Universe:	Not reported
Commercial TSD Indicator:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes

Biennial: List of Years

Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

RCRA Listings:

Date Form Received by Agency:	20220224
Handler Name:	NATIONAL GRID N ALBANY SERVICE CENTER
Handler Address:	1125 BROADWAY
Handler City,State,Zip:	ALBANY, NY 12204
EPA ID:	NYD000730408
Contact Name:	ALIA O ABUQUBE

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Contact Address:	ERIE BLVD W
Contact City,State,Zip:	SYRACUSE, NY 13202
Contact Telephone:	315-428-3155
Contact Fax:	Not reported
Contact Email:	ALIA.ABUQUBE@NATIONALGRID.COM
Contact Title:	ENVIRONMENTAL ANALYST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R4
Mailing Address:	ERIE BLVD W
Mailing City,State,Zip:	SYRACUSE, NY 13202
Owner Name:	NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Owner Type:	Private
Operator Name:	NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	Medium

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	No
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20220404
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D005
Waste Description: BARIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D018
Waste Description: BENZENE

Waste Code: D019
Waste Description: CARBON TETRACHLORIDE

Waste Code: D023
Waste Description: O-CRESOL

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: D025
Waste Description: P-CRESOL

Waste Code: D027
Waste Description: 1,4-DICHLOROBENZENE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: NONE
Waste Description: Not Defined

Waste Code: U159
Waste Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: NATIONAL GRID
Legal Status: Private
Date Became Current: 19000101
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NATIONAL GRID

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Legal Status: Private
Date Became Current: 19791231
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Legal Status: Private
Date Became Current: 20000905
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: 315-428-6685
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Legal Status: Private
Date Became Current: 20000905
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: 315-428-6685
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NATIONAL GRID
Legal Status: Private
Date Became Current: 19791231
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD.W.
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Legal Status: Private
Date Became Current: 20000905
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: 315-428-6793
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Legal Status:	Private
Date Became Current:	20000905
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	315-428-6793
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NIAGARA MOHAWK POWER CORP
Legal Status:	Private
Date Became Current:	19791231
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NIAGARA MOHAWK POWER CORP
Legal Status:	Private
Date Became Current:	19000101
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NIAGARA MOHAWK POWER CORP
Legal Status:	Private
Date Became Current:	19000101
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Legal Status:	Private
Date Became Current:	20000905
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	315-428-6793
Owner/Operator Telephone Ext:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK
Legal Status: Private
Date Became Current: 20020131
Date Ended Current: Not reported
Owner/Operator Address: ERIE BLVD
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK A NATIONAL GRID COMPANY
Legal Status: Private
Date Became Current: 20020131
Date Ended Current: Not reported
Owner/Operator Address: ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202-4250
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NIAGARA MOHAWK
Legal Status: Private
Date Became Current: 20020131
Date Ended Current: Not reported
Owner/Operator Address: ERIE BLVD
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK
Legal Status: Private
Date Became Current: 20020131
Date Ended Current: Not reported
Owner/Operator Address: ERIE BLVD
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NIAGARA MOHAWK
Legal Status: Private
Date Became Current: 20020131
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP
Legal Status: Private
Date Became Current: 19791231
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Legal Status: Private
Date Became Current: 20000905
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: 315-428-6793
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NIAGARA MOHAWK POWER CORP
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W ENV A2
Owner/Operator City,State,Zip: SYRACUSE, WY 13202-4250
Owner/Operator Telephone: 315-474-1511
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK
Legal Status: Private
Date Became Current: 20020131
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: OPERNAME
Legal Status: Private

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, WY 99999
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: NIAGARA MOHAWK	
Legal Status:	Private
Date Became Current:	20020131
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.	
Legal Status:	Private
Date Became Current:	20000905
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	315-428-6793
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: NIAGARA MOHAWK A NATIONAL GRID COMPANY	
Legal Status:	Private
Date Became Current:	20020131
Date Ended Current:	Not reported
Owner/Operator Address:	ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202-4250
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: NATIONAL GRID	
Legal Status:	Private
Date Became Current:	19000101
Date Ended Current:	Not reported
Owner/Operator Address:	300 ERIE BLVD W
Owner/Operator City,State,Zip:	SYRACUSE, NY 13202
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Owner/Operator Indicator: Operator
Owner/Operator Name: NIAGARA MOHAWK POWER CORP., A NATIONAL GRID CO.
Legal Status: Private
Date Became Current: 20000905
Date Ended Current: Not reported
Owner/Operator Address: 300 ERIE BLVD W
Owner/Operator City,State,Zip: SYRACUSE, NY 13202
Owner/Operator Telephone: 315-428-6793
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19880929
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100301
Handler Name: NIAGARA MOHAWK N ALBANY SVC CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120328
Handler Name: NATIONAL GRID - NORTH ALBANY SERVICE CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140304
Handler Name: NATIONAL GRID N ALBANY SVC CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20160224
Handler Name:	NATIONAL GRID N ALBANY SVC CTR
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20180228
Handler Name:	NATIONAL GRID- N ALBANY SERVICE CENTER
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20200221
Handler Name:	NATIONAL GRID N ALBANY SERVICE CENTER
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20210225
Handler Name:	NATIONAL GRID N ALBANY SERVICE CENTER
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220224
Handler Name: NATIONAL GRID N ALBANY SERVICE CENTER
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19990729
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19910401
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Not reported
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070107
Handler Name: NIAGRA MOHAWK - NO ALBANY SERVICE CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070106
Handler Name: NIAGRA MOHAWK - NO ALBANY SERVICE CTR

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20070106
Handler Name: NIAGRA MOHAWK - NO ALBANY SERVICE CTR
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800815
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Not reported
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010117
Handler Name: NIAGARA MOHAWK NORTH ALBANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: NIAGARA MOHAWK POWER CORPORATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940315
Handler Name: NIAGARA MOHAWK POWER COMPANY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960315
Handler Name: NIAGARA MOHAWK POWER CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980220
Handler Name: NIAGARA MOHAWK POWER CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010101
Handler Name: NIAGARA MOHAWK POWER CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Receive Date:		20020225
Handler Name:	N ALBANY SVC CTR	
Federal Waste Generator Description:		Large Quantity Generator
State District Owner:		NY
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		No
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

Receive Date:		20040223
Handler Name:	NORTH ALBANY SCR-NIAGARA MOHAWK	
Federal Waste Generator Description:		Large Quantity Generator
State District Owner:		Not reported
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		No
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

Receive Date:		20060309
Handler Name:	NATIONAL GRID	
Federal Waste Generator Description:		Large Quantity Generator
State District Owner:		Not reported
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		No
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

Receive Date:		20080303
Handler Name:	N ALBANY SVC CTR	
Federal Waste Generator Description:		Large Quantity Generator
State District Owner:		Not reported
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		No
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	2211
NAICS Description:	ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

NAICS Code:	22112

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

NAICS Description: ELECTRIC POWER TRANSMISSION, CONTROL, AND DISTRIBUTION

NAICS Code: 221121
NAICS Description: ELECTRIC BULK POWER TRANSMISSION AND CONTROL

NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

NAICS Code: 22121
NAICS Description: NATURAL GAS DISTRIBUTION

NAICS Code: 56291
NAICS Description: REMEDIATION SERVICES

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20020314
Actual Return to Compliance Date:	20020425
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20020416
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	NYAET
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	20060822

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date: 20060824
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 017
Date of Enforcement Action: 20060828
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYHBR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Manifest
Date Violation was Determined: 20060822
Actual Return to Compliance Date: 20060824
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 017
Date of Enforcement Action: 20060828
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Enforcement Responsible Person:	NYHBR
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20060822

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date: 20060824
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 017
Date of Enforcement Action: 20060828
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYHBR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19940413
Actual Return to Compliance Date: 19940606
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19940513
Enforcement Identifier: 000
Date of Enforcement Action: 19940413
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Enforcement Responsible Person: NYGJN
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Manifest/Records/Reporting
Date Violation was Determined: 20000620
Actual Return to Compliance Date: 20000830
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 20000812
Enforcement Identifier: 000
Date of Enforcement Action: 20000712
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19970910

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date:	19980921
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19980119
Enforcement Identifier:	000
Date of Enforcement Action:	19971210
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NYIG
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	NYCVR
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	2000
Paid Amount:	2000
Final Count:	1
Final Amount:	2000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19910912
Actual Return to Compliance Date:	19930104
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	000
Date of Enforcement Action:	19911005
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Enforcement Responsible Person: NYGJN
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 2500
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19900831
Actual Return to Compliance Date: 19901116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19901109
Enforcement Identifier: 006
Date of Enforcement Action: 19900913
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYDEC
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19910912
Actual Return to Compliance Date:	19930104
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19920215
Enforcement Identifier:	000
Date of Enforcement Action:	19920207
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Enforcement Responsible Person:	NYGJN
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	2500
Paid Amount:	2500
Final Count:	1
Final Amount:	2500
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19970910
Actual Return to Compliance Date:	19980921
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	000
Date of Enforcement Action:	19970922
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NY
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	NYCVR
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	2000
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19960206
Actual Return to Compliance Date:	19960812
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19960206
Enforcement Identifier:	000
Date of Enforcement Action:	19960206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NYREG
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Enforcement Responsible Person:	NYHBR
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	3000
Paid Amount:	3000
Final Count:	1
Final Amount:	3000

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	20041207

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date:	20041207
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20041223
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	NYAET
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19991203
Actual Return to Compliance Date:	19991203
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	20000117
Enforcement Identifier:	000
Date of Enforcement Action:	19991217
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NY
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Enforcement Responsible Person: NYCVR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19980713
Actual Return to Compliance Date: 19980921
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19980813
Enforcement Identifier: 000
Date of Enforcement Action: 19980713
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYMRS
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19850705

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date:	19851112
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19851005
Enforcement Identifier:	002
Date of Enforcement Action:	19850905
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	NYDEC
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19870324
Actual Return to Compliance Date: 19870414
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19870424
Enforcement Identifier: 004
Date of Enforcement Action: 19870324
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: NYDEC
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	20000620
Actual Return to Compliance Date:	20000830
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	20000812
Enforcement Identifier:	000
Date of Enforcement Action:	20000712
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NY
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19970910
Actual Return to Compliance Date: 19980921
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 000
Date of Enforcement Action: 19970922
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: NY
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: NYCVR
Enforcement Responsible Sub-Organization: R4
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 2000
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20041207
Actual Return to Compliance Date:	20041208
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20041223
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Enforcement Responsible Person:	NYAET
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19840731

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date:	19841231
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19841221
Enforcement Identifier:	001
Date of Enforcement Action:	19841121
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	NYDEC
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19870710
Actual Return to Compliance Date:	19880330
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880124
Enforcement Identifier:	005
Date of Enforcement Action:	19871224
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Enforcement Responsible Person:	NYDEC
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19970910
Actual Return to Compliance Date:	19980921
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19980119
Enforcement Identifier:	000
Date of Enforcement Action:	19971210
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	NYIG
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	NYCVR
Enforcement Responsible Sub-Organization:	R4
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	2000
Paid Amount:	2000
Final Count:	1
Final Amount:	2000

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20020314
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYAET
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20020425
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20060822
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20060824
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20060822
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20060824
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910912
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20060822
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20060824
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940316
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	19940606
Scheduled Compliance Date:	19940513
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000620

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20000830
Scheduled Compliance Date:	20000812
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19970619
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYCVR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	19980921
Scheduled Compliance Date:	19980119
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910815
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	19930104
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900831
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901116
Scheduled Compliance Date:	19901109
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19960628
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYBKP
Evaluation Responsible Sub-Organization:	R4

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910815
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	19930104
Scheduled Compliance Date:	19920215
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970619
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYCVR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	19980921
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970619
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950628
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	19960812
Scheduled Compliance Date:	19960206
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Former Citation:	Not reported
Evaluation Date:	20080828
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2LG
Evaluation Responsible Sub-Organization:	RCB
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20041207
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYAET
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20041207
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19991203
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYCVR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	19991203
Scheduled Compliance Date:	20000117
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980624
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYMRS
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	19980921
Scheduled Compliance Date:	19980813
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19850705
Evaluation Responsible Agency:	State
Found Violation:	Yes

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19851112
Scheduled Compliance Date:	19851005
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20140307
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYJHK
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19870324
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870414
Scheduled Compliance Date:	19870424
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19980921
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19860604
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921210
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYGJN
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19871028
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000620
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20000830
Scheduled Compliance Date:	20000812
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980624
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYMRS
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	19980921
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Evaluation Date:	20090918
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20041207
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYAET
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	20041208
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880913
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890928
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20041028
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	NYAPR

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Evaluation Responsible Sub-Organization:	CO
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20170607
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYHBR
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19840731
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19841231
Scheduled Compliance Date:	19841221
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870710
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYDEC
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880330
Scheduled Compliance Date:	19880124
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980624
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYMRS
Evaluation Responsible Sub-Organization:	R4
Actual Return to Compliance Date:	19980921
Scheduled Compliance Date:	19980119
Date of Request:	Not reported
Date Response Received:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930104
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

NATIONAL GRID N ALBANY SERVICE CENTER (Continued) **1000994204**

2020 COR ACTION:
EPA ID: NYD000730408
Region: 2
Action: Not reported

FTTS:
Case Number: Not reported
Docket Number: PCB-95-0231
Complaint Issue Date: 06/08/95
Abatement Amount: 0.0000
Proposed Penalty: 4000.0000
Final Assessment: 2700.0000
Final Order Date: 08/20/95
Close Date: / /
Violations(s): PCB, Label or Marking
PCB, Storage

HIST FTTS:
Case Number: Not reported
Docket Number: PCB-95-0231
Complaint Issue Date: 06/08/1995
Abatement Amount: 0.0000
Proposed Penalty: 4000.0000
Final Assessment: 2700.0000
Final Order Date: 08/20/1995
Close Date: / /
Violations(s): PCB, Label or Marking
PCB, Storage

E28 **NIMO - NORTH ALBANY MGP** **EDR MGP** **1008407850**
NNW **1125 BROADWAY** **N/A**
1/2-1 **ALBANY, NY 12204**
0.780 mi.
4121 ft. **Site 2 of 3 in cluster E**

Relative: **Lower**

Actual: **29 ft.**

Manufactured Gas Plants:
No additional information available

E29 **NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR** **NY SHWS** **S102156672**
NNW **1125 BROADWAY** **NY Spills** **N/A**
1/2-1 **ALBANY, NY 12206** **NY MANIFEST**
0.780 mi.
4121 ft. **Site 3 of 3 in cluster E**

Relative: **Lower**

Actual: **29 ft.**

SHWS:
Name: NM - NORTH ALBANY
Address: 1125 BROADWAY
City,State,Zip: ALBANY, NY 12204
Program: HW
Site Code: 58530
Classification: A

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Region: 4
Acres: 25.000
HW Code: 401040
Record Add: 11/18/1999
Record Upd: 12/06/2021
Updated By: DJEATON
Site Description: "Location: The North Albany site is a 25 acre parcel located in an urban area of Albany County. It is bordered by Broadway on the west side, commercial property to the south and interstate 90 on the north. Active railroad tracks border the site on the east. The nearest residential property is on the west side of Broadway, roughly 50 yards to the west. Site Features: The site is relatively flat and includes two occupied buildings and roughly a half dozen storage and maintenance structures surrounded by paved parking lots and gravel covered storage yards. One of the two occupied buildings is a combination of offices and vehicle service areas. The other is a vehicle maintenance garage. Current Zoning/Use: The site is zoned for commercial use and is currently intensively used as a service center for National Grid. The surrounding parcels are a mix of various commercial uses with residential use across Broadway. Past Use of the Site: The site was originally a Manufactured Gas Plant which operated through the 1940s and then was converted as a service center for the local utility. The principal waste material is coal tar, which has escaped from gas holders and tar pits. The primary structures that act as source areas are the relief holder previously located in the northwest corner of the site underneath an electrical substation, and the tar tank and tar pit previously located in the north central area of the site, under the parking area. The facility was formerly permitted to operate as a treatment, storage and/or disposal (TSDF) facility under the Resource Conservation and Recovery Act (RCRA) hazardous waste management program. As part of the permit, several Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) were identified for corrective action. The following SWMUs and AOCs were identified at the site: L-1 (MGP-related contamination at the site), DW-1 (Inactive Dry well), B-2 (Soil beneath the transformer shop in building 2), T-1 (Oil/water separator), T-2 (Underground diesel tank), T-3 (Waste oil tank), T-4 (Skimmed oil collection tank), T-5 and T-9 (Underground gasoline tanks), S-3 (Mercury storage area), S-5 (Yard storage area), T-6200 (Non-hazardous waste oil tank), T-6300 (PCB-contaminated waste oil tank), the storm sewer AOC, the AOC in the vicinity of MW-10, and the AOC in the vicinity of SB-5. Based on the investigations and previous actions at the site, all the AOCs and SWMUs have been closed with the exception of L-1 and B-2. The site has been included in the USEPA s tracking system under GPRA (Government Performance and Results Act) for corrective action. The RCRA Corrective Action Program requires investigation and cleanup of releases of hazardous wastes and hazardous constituents that pose an unacceptable risk at RCRA hazardous waste treatment, storage and disposal facilities. This site has not yet met indicators to show compliance with RCRA Corrective Action. Site Geology and Hydrogeology: The site is underlain by fill, followed by silty sands and then till, with bedrock being found at least 16 feet below grade. The site is almost totally covered with buildings and/or pavement, with minimal surface soil exposed. Groundwater at the site is roughly 10 feet below grade and flows generally to the east/southeast. "
Env Problem: "Nature and Extent of Contamination: Soil and groundwater samples were collected and analyzed for VOCs, SVOCs, metals, PCBs, and

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

pesticides. The primary contaminants of concern are the chemical constituents of coal tar: benzene, toluene, ethylbenzene, xylene (BTEX) and polycyclic aromatic hydrocarbons (PAHs), including naphthalene. The tar is present as a dense non-aqueous phase liquid (DNAPL) which escaped from subsurface structures at the site into surrounding soils. There is also a small area of purifier waste (a waste by-product of the historic gas production process) in the east central edge of the site. South of Building 2 petroleum impacts and PCB contamination was found in the top 8 feet of soil, associated with fuel storage and repair activities conducted in that area. This PCB contamination was addressed by the South Yard Storage Area IRM. Soil: In the subsurface soil, BTEX and PAHs, including naphthalene are present in concentrations that exceed SCOs in areas adjacent to deposits of coal tar. These areas are found throughout the northern section of the site at depths from 2 to 25 feet below the surface. Due to the lateral migration of liquid tar, the contaminants are also found up to 400 feet off-site to the east, at depths between 20 and 25 feet. The contamination is found beneath both the railroad line and Erie Boulevard. Coal tar is also suspected to be present under the northern section of Building 2, as contamination has been found right up to the building s footprint. This migration of contamination has occurred through soils, mostly at the bedrock interface and the sand and gravel layer just above that, well below the ground surface. Groundwater: The groundwater which comes into contact with the tar-contaminated soil is contaminated with BTEX and PAH at levels exceeding standards, criteria, and guidance. Contaminated groundwater is found both on and off the site downgradient, to the east and southeast, of source areas. Contaminant levels are found to be as high as 8,700 ppb for naphthalene and 2,900 ppb for benzene and ethylbenzene. The contaminated groundwater is found no more than 125 feet off-site. TCE and PCE were not found in groundwater samples. Soil Vapor: Soil vapor samples were collected both from parking lot areas and beneath the building slabs of Building 2 and the vehicle maintenance building. Sub-slab samples showed elevated levels of tetrachloroethylene, trichloroethene, as well as some gasoline and diesel constituents. The maximum contaminant levels were 26,000 micrograms per cubic meter for total xylene, 9,400 micrograms per cubic meter for ethylbenzene, 1,700 micrograms per cubic meter for tetrachloroethylene, and 32 micrograms per cubic meter for trichloroethene. The soil vapor samples from the parking areas showed some elevated levels of benzene. There is no evidence of soil vapor contamination migrating off-site. Indoor Air and Ambient Air: Indoor air samples were collected from Building 2 and the vehicle maintenance building to determine whether actions are needed to address exposures related to soil vapor intrusion. Ambient air samples were also collected from outdoor spaces on the site. The indoor air samples had elevated contaminant levels, but the levels were consistent with on-going use within the building and with the building inventories. At this time, the contaminants found in the soil vapor and indoor air sampling are still being used as part of the on-going operations. "

Health Problem: "The site is completely fenced, which restricts public access. However, persons who enter the site could contact contaminants in the soil by digging or otherwise disturbing the soil. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not contaminated by the site. Volatile organic compounds in the groundwater may move into the soil vapor

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

(air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Sampling has indicated that soil vapor intrusion does not represent a current exposure pathway given the use of the site. However, an additional soil vapor intrusion evaluation is recommended if site related contaminants are no longer used at the facility. Sampling has indicated that soil vapor intrusion is not an off-site concern. "

Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	00:00:00:0 / 00:00:00:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	2015-08-05 17:42:00
Updated By:	DKMACNEA
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Albany Public Library North Albany Branch
Owner Address:	616 N Pearl St
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany,, NY 12204
Owner Country:	United States of America
Own Op:	1
Sub Type:	01
Owner Name:	James Morgan
Owner Company:	Niagara Mohawk, doing business as National Grid
Owner Address:	300 Erie Blvd, West
Owner Addr2:	Not reported
Owner City,St,Zip:	Syracuse, NY 13202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	B99
Owner Name:	Douglas MacNeal
Owner Company:	NYSDEC Central Office
Owner Address:	625 Broadway
Owner Addr2:	Not reported
Owner City,St,Zip:	Albany, NY 12233-7014
Owner Country:	United States of America
HW Code:	401040
Waste Type:	BENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	TOLUENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

HW Code:	401040
Waste Type:	ETHYLBENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	COAL TAR
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	trichloroethene (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	polycyclic aromatic hydrocarbons (PAHS), total
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	polychlorinated biphenyls (PCB)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	naphthalene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	XYLENE (MIXED)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	401040
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	NYD000730408
Cross Ref Type Code:	06
Cross Ref Type:	RCRA EPA ID No.
Record Added Date:	2011-03-31 08:34:00
Record Updated:	2011-03-31 08:34:00
Updated By:	DADESNOY
Crossref ID:	1408605
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2014-12-31 12:36:00
Record Updated:	2014-12-31 12:36:00
Updated By:	PNBENTIE
Crossref ID:	1110909

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:49:00
Record Updated: 2014-05-14 13:49:00
Updated By: pnbentie
Crossref ID: 1105923
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:48:00
Record Updated: 2014-05-14 13:48:00
Updated By: pnbentie
Crossref ID: 1205447
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:50:00
Record Updated: 2014-05-14 13:50:00
Updated By: pnbentie
Crossref ID: 1105657
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:47:00
Record Updated: 2014-05-14 13:47:00
Updated By: pnbentie
Crossref ID: 1215015
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:52:00
Record Updated: 2014-05-14 13:52:00
Updated By: pnbentie
Crossref ID: 1109440
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:48:00
Record Updated: 2014-05-14 13:48:00
Updated By: pnbentie
Crossref ID: 1305272
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:53:00
Record Updated: 2014-05-14 13:53:00
Updated By: pnbentie
Crossref ID: 1400731
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:53:00
Record Updated: 2014-05-14 13:53:00
Updated By: pnbentie
Crossref ID: 1205448
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:50:00
Record Updated: 2014-05-14 13:50:00
Updated By: pnbentie
Crossref ID: 1400758
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:54:00

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Record Updated: 2014-05-14 13:54:00
Updated By: pnbentie
Crossref ID: 9401173
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:45:00
Record Updated: 2014-05-14 13:45:00
Updated By: pnbentie
Crossref ID: 1011535
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:46:00
Record Updated: 2014-05-14 13:46:00
Updated By: pnbentie
Crossref ID: 1102643
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:46:00
Record Updated: 2014-05-14 13:46:00
Updated By: pnbentie
Crossref ID: 1401503
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:55:00
Record Updated: 2014-05-14 13:55:00
Updated By: pnbentie
Crossref ID: 9803326
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:45:00
Record Updated: 2014-05-14 13:45:00
Updated By: pnbentie
Crossref ID: 1206559
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2014-05-14 13:51:00
Record Updated: 2014-05-14 13:51:00
Updated By: pnbentie
Crossref ID: NIAGARA MOHAWK N ALBANY SVC CTR
Cross Ref Type Code: 27
Cross Ref Type: Alternate Site Name
Record Added Date: 2011-06-16 00:00:00
Record Updated: 2011-06-16 00:00:00
Updated By: jdjarrat

SPILLS:
Name: NAT GRID N. ALBANY SERV CTR BROADWAY NIMO
Address: 1125 BROADWAY
City,State,Zip: ALBANY, NY
Spill Number/Closed Date: 0811754 / 2009-02-11
Facility ID: 0811754
Facility Type: ER
DER Facility ID: 358726
Site ID: 409338
DEC Region: 4
Spill Cause: Unknown
Spill Class: C4

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

SWIS:	0101
Spill Date:	2009-01-27
Investigator:	WTCHRIST
Referred To:	Not reported
Reported to Dept:	2009-01-27
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2009-01-27
Spill Record Last Update:	2014-04-22
Spiller Name:	BARB SCHUERE BARBARA SCHEURER
Spiller Company:	NATIONAL GRID NIMO
Spiller Address:	1125 BROADWAY
Spiller Company:	999
Contact Name:	BARB SCHUERER
DEC Memo:	"02/10/09 - Clean up complete. wtc"
Remarks:	"CALLER STATES THAT THERE WAS A SPILL OF A HALF GALLON BY THE FUEL PUMP ON A CONCRETE PAD. CLEAN UP WAS DONE."

All Materials:

Site ID:	409338
Operable Unit ID:	1165844
Operable Unit:	01
Material ID:	2157266
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.50
Units:	G
Recovered:	.50
Oxygenate:	Not reported

Name:	NAT GRID NORTH ALBANY SERV CTR BROADWAY
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1005350 / 2010-09-07
Facility ID:	1005350
Facility Type:	ER
DER Facility ID:	393649
Site ID:	438665
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2010-08-12
Investigator:	WTCHRIST
Referred To:	Not reported
Reported to Dept:	2010-08-12
CID:	Not reported

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2010-08-12
Spill Record Last Update:	2011-08-24
Spiller Name:	Not reported
Spiller Company:	NAT GRID (nimo)
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	DOUG GNIEWEK
DEC Memo:	"09/07/2010 - Spill cleaned up by National Grid. Closed wtc"
Remarks:	"spill to paved surface/clean up underway"

All Materials:

Site ID:	438665
Operable Unit ID:	1189314
Operable Unit:	01
Material ID:	2184269
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	NAT GRID N. ALBANY SERV CTR BROADWAY
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1206559 / 2012-10-24
Facility ID:	1206559
Facility Type:	ER
DER Facility ID:	414490
Site ID:	469563
DEC Region:	4
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	0101
Spill Date:	2012-10-03
Investigator:	pnbentie
Referred To:	Not reported
Reported to Dept:	2012-10-03
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-10-03
Spill Record Last Update:	2014-05-14
Spiller Name:	Not reported
Spiller Company:	NAT GRID
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BARB SCHURER
DEC Memo:	"10/8/12 - per e-mail from Barb Scheurer: motor oil; complete, cleaned by NG 4-429511; 401040"
Remarks:	"spill to paved parking area/clean up complete"

All Materials:

Site ID:	469563
Operable Unit ID:	1219457
Operable Unit:	01
Material ID:	2217961
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	NAT GRID TRANSFORMER BROADWAY N. ALBANY SERV CTR
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1205447 / 2012-11-07
Facility ID:	1205447
Facility Type:	ER
DER Facility ID:	424632
Site ID:	468399
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2012-08-29
Investigator:	pnbentie
Referred To:	Not reported
Reported to Dept:	2012-08-29
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Transformer
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-08-29
Spill Record Last Update:	2014-05-14
Spiller Name:	BARB SCHEUER
Spiller Company:	NATIONAL GRID

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Spiller Address:	1125 BROADWAY
Spiller Company:	999
Contact Name:	BARB SCHEUER
DEC Memo:	"10/8/12 - per e-mail from Barb Scheurer: transformer spill, nonPCB, completed by in house crew 4-429511; 401040"
Remarks:	"Spilled onto blacktop. Cleanup underway."

All Materials:

Site ID:	468399
Operable Unit ID:	1218322
Operable Unit:	01
Material ID:	2216697
Material Code:	0016A
Material Name:	non PCB oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	NAT GRID BROADWAY N. ALBANY SERV CTR
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1205448 / 2012-10-24
Facility ID:	1205448
Facility Type:	ER
DER Facility ID:	424633
Site ID:	468400
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2012-08-29
Investigator:	pnbentie
Referred To:	Not reported
Reported to Dept:	2012-08-29
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-08-29
Spill Record Last Update:	2014-05-14
Spiller Name:	BARB SCHEUER
Spiller Company:	NATIONAL GRID
Spiller Address:	1125 BROADWAY
Spiller Company:	999
Contact Name:	BARB SCHEUER
DEC Memo:	"10/8/12 - per e-mail from Barb Scheurer: non-PCB; complete, cleaned by NG 4-429511; 401040"
Remarks:	"Spilled onto blacktop. Cleanup underway."

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

All Materials:

Site ID:	468400
Operable Unit ID:	1218323
Operable Unit:	01
Material ID:	2216698
Material Code:	0016A
Material Name:	non PCB oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	NAT GRID N. ALBANY SERV CTR BROADWAY
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1408605 / 2015-02-27
Facility ID:	1408605
Facility Type:	ER
DER Facility ID:	457157
Site ID:	502173
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2014-11-21
Investigator:	PNBENTIE
Referred To:	Not reported
Reported to Dept:	2014-11-21
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2014-11-21
Spill Record Last Update:	2017-07-13
Spiller Name:	Not reported
Spiller Company:	NATIONAL GRID
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	BRIAN WILSON
DEC Memo:	"HW401040; PBS 4-429511 2/27/15 - per 1/30/15 e-mail from Barb Scheurer: gasoline, complete, cleaned up. "
Remarks:	"cleanup done"

All Materials:

Site ID:	502173
Operable Unit ID:	1251555
Operable Unit:	01
Material ID:	2253497

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	NAT GRID SERV CTR BROADWAY VEHICLE
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1403670 / 2014-12-01
Facility ID:	1403670
Facility Type:	ER
DER Facility ID:	449612
Site ID:	497037
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2014-07-07
Investigator:	pnbentie
Referred To:	Not reported
Reported to Dept:	2014-07-07
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2014-07-07
Spill Record Last Update:	2014-12-31
Spiller Name:	TERRY OBRIEN
Spiller Company:	NATIONAL GRID
Spiller Address:	1125 BROADWAY
Spiller Company:	999
Contact Name:	TERRY OBRIEN
DEC Memo:	"11/10/14 - per e-mail from Barb Scheurer: Hydraulic C/U by NG. HW401040; PBS 4-429511"
Remarks:	"Clean up pending"

All Materials:

Site ID:	497037
Operable Unit ID:	1246509
Operable Unit:	01
Material ID:	2247676
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Recovered:	Not reported
Oxygenate:	Not reported

Name:	NAT GRID VEHICLE N. ALBANY SERV CTR BROADWAY
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1702337 / 2017-08-16
Facility ID:	1702337
Facility Type:	ER
DER Facility ID:	455870
Site ID:	551472
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2017-06-09
Investigator:	PNBENTIE
Referred To:	Not reported
Reported to Dept:	2017-06-09
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2017-06-09
Spill Record Last Update:	2017-08-16
Spiller Name:	MATT ROOT
Spiller Company:	NATIONAL GRID
Spiller Address:	1125 BROADWAY
Spiller Company:	999
Contact Name:	MATT ROOT
DEC Memo:	"8/15/17 per 6/30/17 e-mail from Matthew Root (NG): hyd oil, 1gal, NG cleaned "
Remarks:	"spill to soil. clean up is pending."

All Materials:

Site ID:	551472
Operable Unit ID:	1299559
Operable Unit:	01
Material ID:	2305777
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	NAT GRID N. ALBANY SERV CTR BROADWAY
Address:	1125 BROADWAY

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	1704721 / 2017-11-16
Facility ID:	1704721
Facility Type:	ER
DER Facility ID:	505385
Site ID:	556976
DEC Region:	4
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	0101
Spill Date:	2017-08-10
Investigator:	PJBROWN
Referred To:	Not reported
Reported to Dept:	2017-08-10
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2017-08-10
Spill Record Last Update:	2017-11-16
Spiller Name:	Not reported
Spiller Company:	NATIONAL GRID
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	MATT ROOT
DEC Memo:	"11/16/17 per 9/1/17 e-mail from Matthew Root (NG): nonPCB, 1gal, NG cleaned "
Remarks:	"The spill was over pavement. The cleanup is completed"

All Materials:

Site ID:	556976
Operable Unit ID:	1305004
Operable Unit:	01
Material ID:	2311708
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY 12207
Spill Number/Closed Date:	0510772 / 2005-12-20
Facility ID:	0510772
Facility Type:	ER
DER Facility ID:	306865
Site ID:	356809

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

DEC Region:	4
Spill Cause:	Human Error
Spill Class:	C4
SWIS:	0101
Spill Date:	2005-12-15
Investigator:	WTCHRIST
Referred To:	Not reported
Reported to Dept:	2005-12-15
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-12-15
Spill Record Last Update:	2014-04-22
Spiller Name:	TERRY OBRIEN
Spiller Company:	NATIONAL GRID (NIMO)
Spiller Address:	1125 BROADWAY
Spiller Company:	001
Contact Name:	TERRY OBRIEN
DEC Memo:	"12/20/05 - Cleaned up by National Grid personal. wtc PBS 4-429511; see 0413366, etc."
Remarks:	"LESS THEN 1 GALLON, HAZMAT HAS BEEN DISPATCHED NO WATER EFFECTED:"

All Materials:

Site ID:	356809
Operable Unit ID:	1114104
Operable Unit:	01
Material ID:	2104185
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	False

Name:	NIMO N. ALBANY SERV CTR PK LOT BROADWAY
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY
Spill Number/Closed Date:	0604408 / 2006-08-15
Facility ID:	0604408
Facility Type:	ER
DER Facility ID:	318743
Site ID:	367377
DEC Region:	4
Spill Cause:	Human Error
Spill Class:	C4
SWIS:	0101
Spill Date:	2006-07-19
Investigator:	WTCHRIST

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Referred To:	Not reported
Reported to Dept:	2006-07-19
CID:	409
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-07-19
Spill Record Last Update:	2014-04-22
Spiller Name:	TERRY OBRIEN
Spiller Company:	NATIONAL GRID (NIMO)
Spiller Address:	5215 WESTERN TURNPIKE
Spiller Company:	001
Contact Name:	TERRY OBRIEN
DEC Memo:	"8/15/06 - non-pcb oil. wtc PBS 4-429511"
Remarks:	"HAS BEEN CLEANED UP. IT WAS CONTAINED."

All Materials:

Site ID:	367377
Operable Unit ID:	1125290
Operable Unit:	01
Material ID:	2114809
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	G
Recovered:	15.00
Oxygenate:	Not reported

Click this hyperlink while viewing on your computer to access
37 additional NY SPILL: record(s) in the EDR Site Report.

NY MANIFEST:

Name:	NIAGARA MOHAWK POWER CORP
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY 12204
Country:	USA
EPA ID:	NYP000910935
Facility Status:	Not reported
Location Address 1:	1125 BROADWAY
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	ALBANY
Location State:	NY
Location Zip:	12204
Location Zip 4:	2529

NY MANIFEST:

EPAID:	NYP000910935

NATIONAL GRID (NIMO) BROADWAY N. ALBANY SERV CTR (Continued) **S102156672**

Mailing Name:	NIAGARA MOHAWK POWER CORP
Mailing Contact:	MIKEABBOTT
Mailing Address 1:	1125 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	ALBANY
Mailing State:	NY
Mailing Zip:	12204
Mailing Zip 4:	2529
Mailing Country:	USA
Mailing Phone:	5184373696

Name:	NIAGARA MOHAWK POWER CORP
Address:	1125 BROADWAY
City,State,Zip:	ALBANY, NY 12204
Country:	USA
EPA ID:	NYP000934075
Facility Status:	Not reported
Location Address 1:	1125 BROADWAY
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	ALBANY
Location State:	NY
Location Zip:	12204
Location Zip 4:	2529

NY MANIFEST:

EPAID:	NYP000934075
Mailing Name:	NIAGARA MOHAWK POWER CORP
Mailing Contact:	MICHAEL ABBOTT
Mailing Address 1:	1125 BROADWAY
Mailing Address 2:	Not reported
Mailing City:	ALBANY
Mailing State:	NY
Mailing Zip:	12204
Mailing Zip 4:	2529
Mailing Country:	USA
Mailing Phone:	5184333696

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

Count: 8 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RENSSELAER	S113916784	RENSSELAER WYCK TARGET RANGE	10TH STREET	12144	NY SHWS
RENSSELAER	S112810117	RENS CO PUMP STA FORBES AVE	FORBES AVE		NY Spills
RENSSELAER	1000276706	ASHLAND DISTRIBUTION	SOUTH STREET	12144	CORRACTS, RCRA-TSDF, RCRA-SQ US FIN ASSUR, 2020 COR ACTION, RAATS, NY MANIFEST, PA MANIFES
RENSSELAER	S105464381	NM - RENSSELAER MGP	WASHINGTON ST	12144	NY SHWS, NY VCP
TROY	S126309130	RESSELAER CO. SD SLUDGE MONOFILL	FOOT OF WATER STREET		NY SWF/LF
TROY	S126023450	NM - AREA 4 WATER ST. - TROY MGP	WATER STREET		NY SWF/LF
TROY	S113492644	CHEVRON FORMER ASPHALT FACILITY	WATER STREET	12180	NY SHWS
TROY	S108239530	NM - TROY WATER ST. MGP	WATER STREET	12180	NY SHWS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 08/25/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/02/2022
Date Data Arrived at EDR: 11/08/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/01/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/15/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/15/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 12/19/2022
Number of Days to Update: 5

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/07/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Annually

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/21/2022
Date Data Arrived at EDR: 12/22/2022
Date Made Active in Reports: 12/30/2022
Number of Days to Update: 8

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 12/20/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

LTANKS: Spills Information Database
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 79

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/07/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/01/2022
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/01/2022
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/01/2022
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/01/2022
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/07/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/01/2022
Number of Days to Update: 72
Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 06/22/2022
Date Data Arrived at EDR: 09/12/2022
Date Made Active in Reports: 12/01/2022
Number of Days to Update: 80
Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 12/12/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Varies

ENV RES DECL: Environmental Restrictive Declarations
The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 06/22/2022
Date Data Arrived at EDR: 09/21/2022
Date Made Active in Reports: 12/01/2022
Number of Days to Update: 71
Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 12/12/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 77
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 11/07/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 77
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 11/07/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 11/07/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP NYC: Voluntary Cleanup Program Listing NYC
New York City voluntary cleanup program sites.

Date of Government Version: 09/05/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 11/21/2022
Number of Days to Update: 76

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 12/05/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Site List
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 11/07/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing
In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/07/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/07/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 12/21/2022
Date Data Arrived at EDR: 12/22/2022
Date Made Active in Reports: 12/30/2022
Number of Days to Update: 8

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 12/20/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 07/29/2022
Date Data Arrived at EDR: 08/18/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/07/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/29/2022
Date Data Arrived at EDR: 08/18/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 10/27/2022
Date Made Active in Reports: 01/13/2023
Number of Days to Update: 78
Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 10/27/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 11
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 79
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/07/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database
This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 50

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/12/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/01/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/17/2022
Date Data Arrived at EDR: 10/18/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/18/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/04/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 13

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/23/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 12/20/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2022
Date Data Arrived at EDR: 10/21/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 10/27/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/09/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/29/2022
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 22

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/17/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/13/2022
Date Data Arrived at EDR: 09/14/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 82

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 60

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/09/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/25/2022
Date Data Arrived at EDR: 09/30/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/04/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 50

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 01/10/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

DEC surveyed select businesses, fire departments, fire training centers, bulk storage facilities, airports, and Department of Defense (DoD) facilities. The responses to the survey have helped to determine if these entities used or stored materials containing PFOA/PFOS including AFFF and dispersants used in Teflon coating operations. The results of this survey will be updated periodically as additional responses are received..

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 05/08/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9020
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/13/2023
Data Release Frequency: Varies

PFAS 2: New York State Inactive Landfill Initiative

A list of landfills that were investigated and the analytical results for PFOA and PFOS for those landfills. These data represent the landfills from the ILI database that were investigated.

Date of Government Version: 10/29/2021
Date Data Arrived at EDR: 11/19/2021
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 158

Source: Department of Environmental Conservation
Telephone: 518-402-9662
Last EDR Contact: 01/10/2023
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

PFAS 3: PFAS Environmental Site Remediation List

Per- and Polyfluoroalkyl Substances (PFAS) are a group of chemicals used to make fluoropolymer coatings and products that resist heat, oil, stains, grease, and water. Fluoropolymer coatings are blends of resins and lubricants used in products such as water-repellent clothing, furniture, adhesives, paint and varnish, food packaging, heat-resistant non-stick cooking surfaces and insulation of electrical wires. Chemicals in this group include perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS).

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 99

Source: Department of Environmental Conservation
Telephone: 518-402-9759
Last EDR Contact: 11/07/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 07/27/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 8

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/04/2022
Date Made Active in Reports: 12/20/2022
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 12/20/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 08/30/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 09/07/2022
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 09/21/2022
Date Data Arrived at EDR: 10/14/2022
Date Made Active in Reports: 10/19/2022
Number of Days to Update: 5

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 12/12/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 09/29/2022
Date Data Arrived at EDR: 09/30/2022
Date Made Active in Reports: 10/06/2022
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 12/20/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/11/2020
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NYC LEAD 2: Recent Lead Paint Violations

Pursuant to New York City?s Housing Maintenance Code, the Department of Housing Preservation and Development (HPD) issues violations against conditions in rental dwelling units that have been verified to violate the New York City Housing Maintenance Code (HMC) or the New York State Multiple Dwelling Law (MDL). Violations are issued when an inspection verifies that a violation of the HMC or MDL exists. It is closed when the violation is corrected, as observed/verified by HPD or as certified by the landlord.

Date of Government Version: 08/01/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 10/18/2022
Number of Days to Update: 77

Source: New York City Department of Housing Preservation & Development
Telephone: 212-863-8200
Last EDR Contact: 10/31/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 03/25/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 13

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/06/2022
Number of Days to Update: 87

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 08/24/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 11/30/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

COOLING TOWERS: Registered Cooling Towers

This data includes the location of cooling towers registered with New York State. The data is self-reported by owners/property managers of cooling towers in service in New York State. In August 2015, the New York State Department of Health released emergency regulations requiring the owners of cooling towers to register them with New York State.

Date of Government Version: 10/04/2022
Date Data Arrived at EDR: 10/10/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 86

Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 01/11/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

NYC LEAD: Lead-based Paint Testing Results

The results of the inspections for all classrooms serving students under six in applicable buildings. Identifies all classrooms, whether there was observation of peeling paint, and if there was, standard response protocol was followed.

Date of Government Version: 04/04/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 07/26/2022
Number of Days to Update: 83

Source: New York City Department of Education
Telephone: 212-374-5141
Last EDR Contact: 10/31/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

AST - CORTLAND: Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

UST - CORTLAND: Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

NASSAU COUNTY:

AST - NASSAU: Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 11/02/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: No Update Planned

AST NCFM: Storage Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

TANKS NASSAU: Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 11/02/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

UST - NASSAU: Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 11/02/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: No Update Planned

UST NCFM: Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

ROCKLAND COUNTY:

AST - ROCKLAND: Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: No Update Planned

UST - ROCKLAND: Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: No Update Planned

SUFFOLK COUNTY:

AST - SUFFOLK: Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: No Update Planned

TANKS SUFFOLK: Storage Tank Database
This county is not included in the state?s database. These are facilities that have no tank information in the storage tank database.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 31
Source: Department of Health Services
Telephone: 631-854-2516
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

UST - SUFFOLK: Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

AST - WESTCHESTER: Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 07/20/2022
Date Data Arrived at EDR: 08/23/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 83
Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Semi-Annually

UST - WESTCHESTER: Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 07/20/2022
Date Data Arrived at EDR: 08/23/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 83
Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Semi-Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/21/2022
Number of Days to Update: 74
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 12/20/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

20 FORBES AVE
20 FORBES AVE
RENSSELAER, NY 12144

TARGET PROPERTY COORDINATES

Latitude (North):	42.6591 - 42ˆ 39’ 32.76’’
Longitude (West):	73.732846 - 73ˆ 43’ 58.25’’
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	603856.4
UTM Y (Meters):	4723523.5
Elevation:	33 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	14106178 TROY SOUTH, NY
Version Date:	2019
Northwest Map:	14106112 ALBANY, NY
Version Date:	2019

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

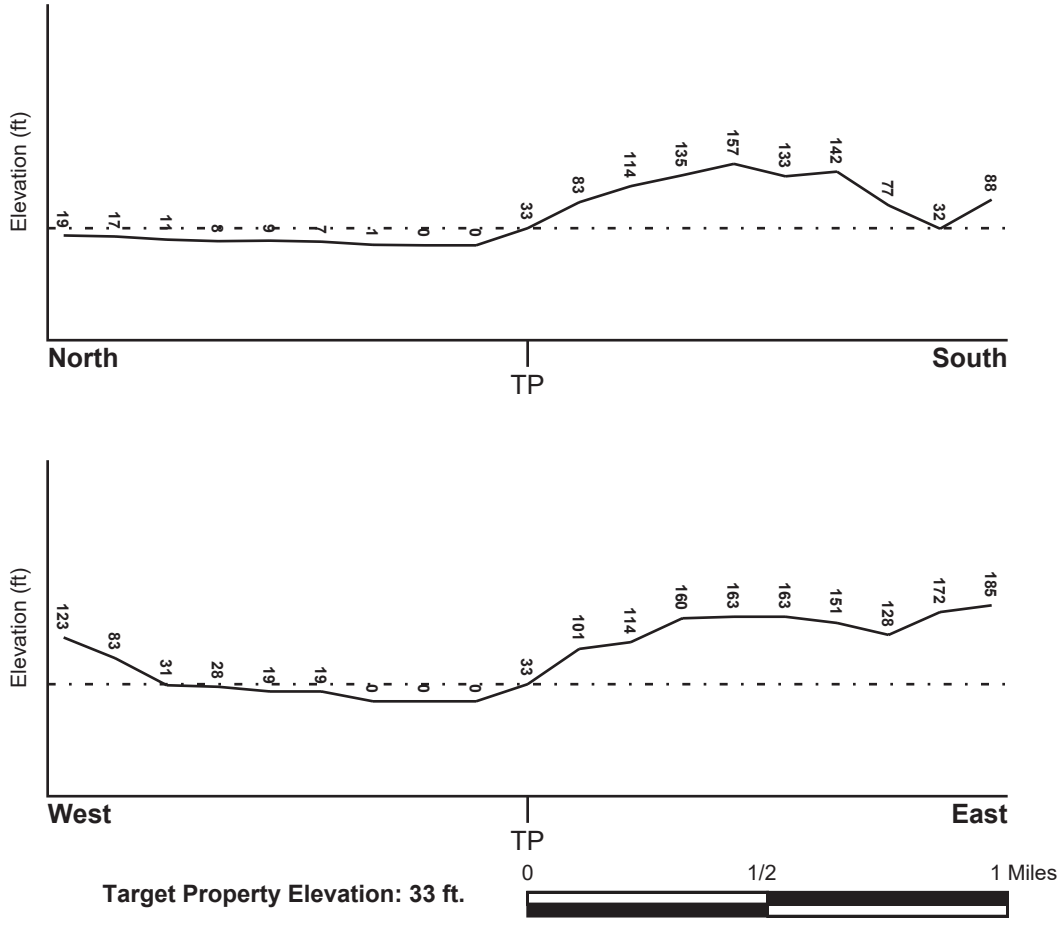
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
36001C0211D	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
36001C0192D	FEMA FIRM Flood data
36001C0212D	FEMA FIRM Flood data
36001C0194D	FEMA FIRM Flood data
36001C0213D	FEMA FIRM Flood data
3611640006A	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
TROY SOUTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

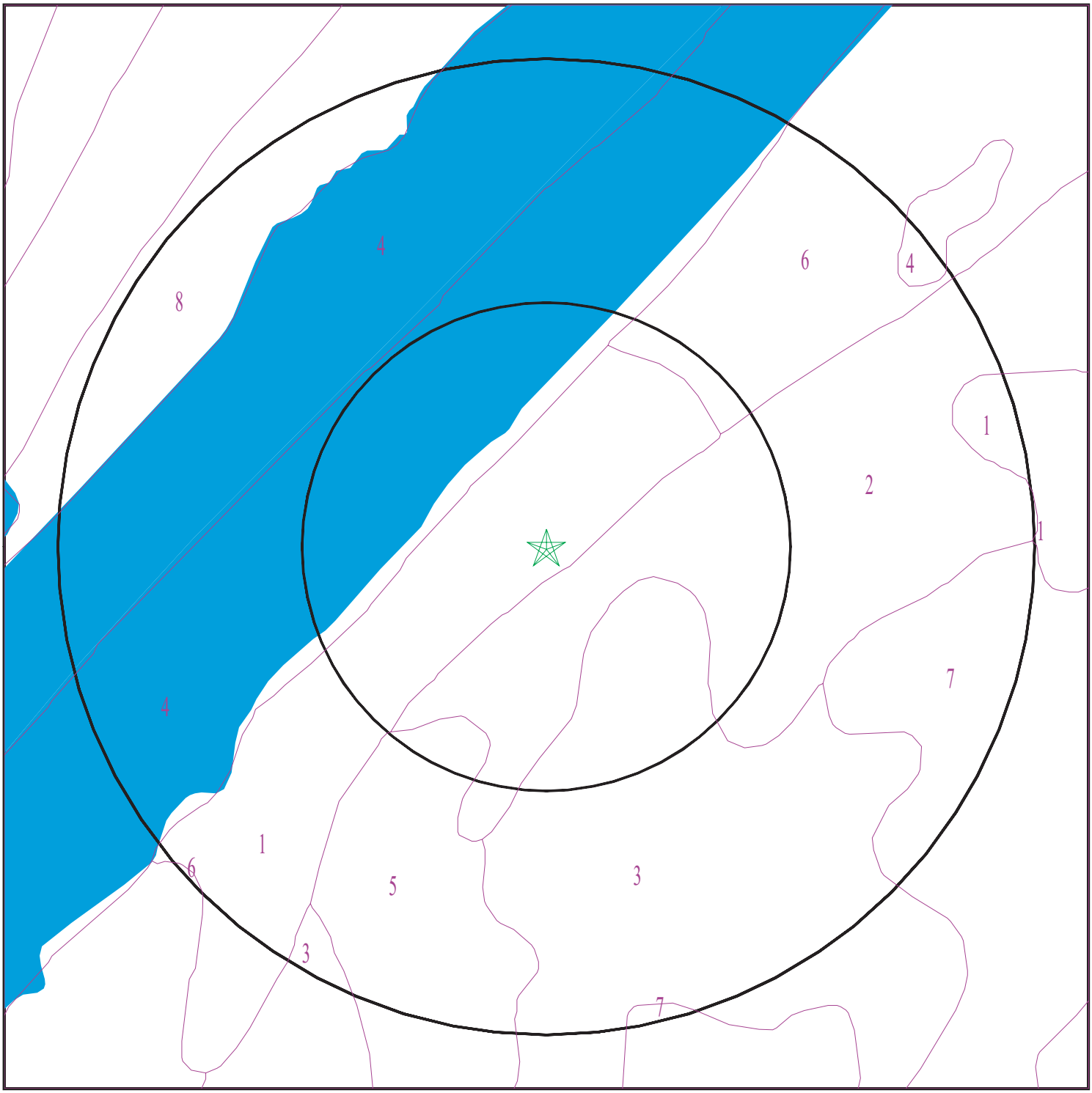
Era:	Paleozoic
System:	Ordovician
Series:	Middle Ordovician (Mohawkian)
Code:	O2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7228825.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	20 Forbes Ave	CLIENT:	Alpine Environmental Services
ADDRESS:	20 Forbes Ave Rensselaer NY 12144	CONTACT:	Denise Salisbury
		INQUIRY #:	7228825.2s
LAT/LONG:	42.6591 / 73.732846	DATE:	January 19, 2023 11:46 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Udorthents

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.2 Min: 5.1

Soil Map ID: 2

Soil Component Name: Hoosic

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
2	9 inches	22 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
3	22 inches	59 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 3

Soil Component Name: Hoosic

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
2	9 inches	22 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
3	22 inches	59 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 4

Soil Component Name: Water

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 5

Soil Component Name: Hoosic

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
2	9 inches	22 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
3	22 inches	59 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 6

Soil Component Name: Udorthents

Soil Surface Texture: very gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	very gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6 Min: 5.1

Soil Map ID: 7

Soil Component Name: Hoosic

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
2	9 inches	22 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5
3	22 inches	59 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 141 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 8

Soil Component Name: Udorthents

Soil Surface Texture: loam

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5
2	3 inches	70 inches	channery loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000860001	1/4 - 1/2 Mile South
2	USGS40000860223	1/4 - 1/2 Mile NW
3	USGS40000860052	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

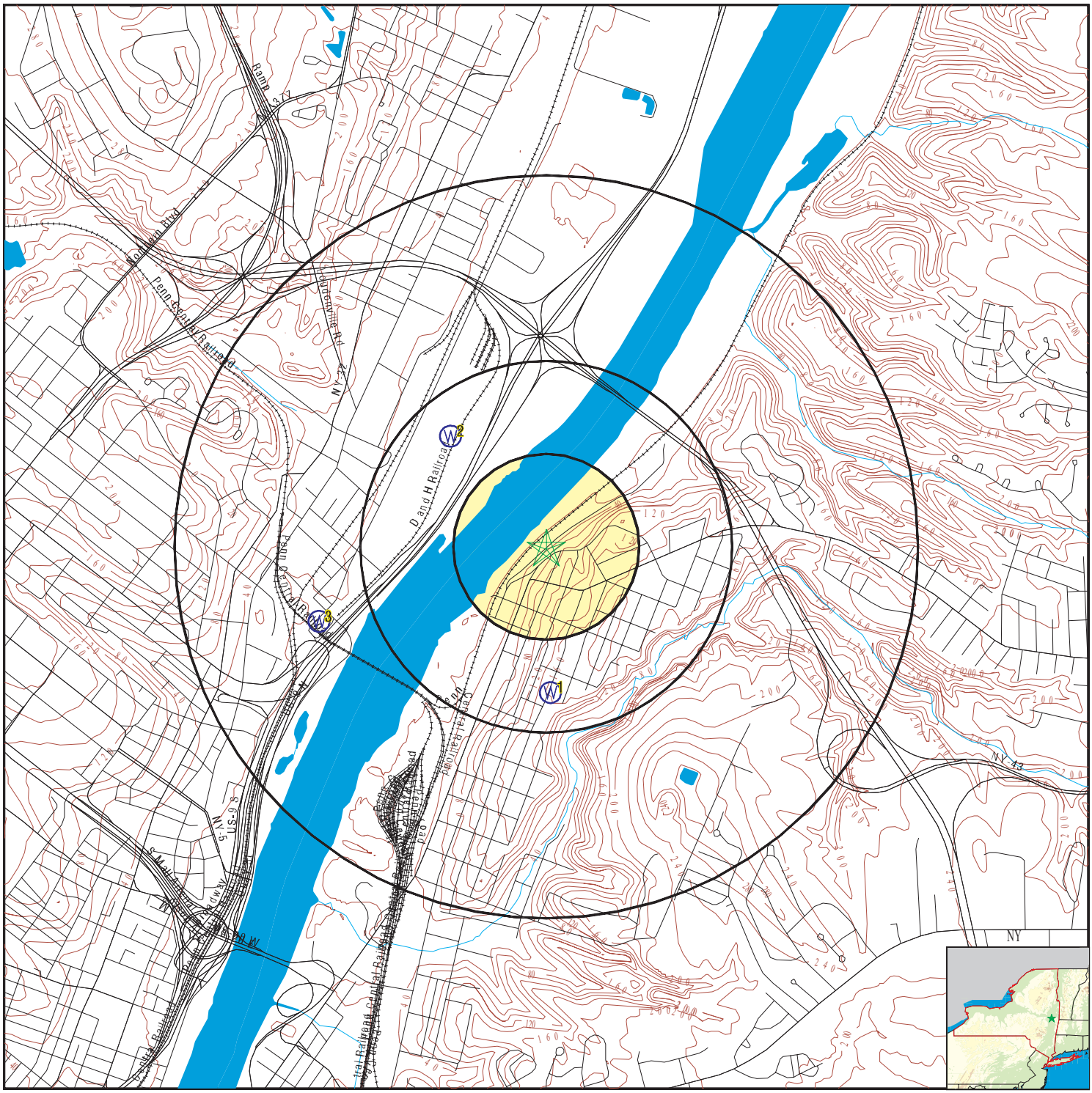
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 7228825.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 20 Forbes Ave ADDRESS: 20 Forbes Ave Rensselaer NY 12144 LAT/LONG: 42.6591 / 73.732846	CLIENT: Alpine Environmental Services CONTACT: Denise Salisbury INQUIRY #: 7228825.2s DATE: January 19, 2023 11:46 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000860001**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	RE 585	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	67	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

2
NW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000860223**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	A 365	Type:	Well
Description:	Not Reported	HUC:	02020006
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Holocene Series
Aquifer Type:	Not Reported	Construction Date:	1946
Well Depth:	25	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

3
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000860052**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	A 229	Type:	Well
Description:	Not Reported	HUC:	02020006
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Snake Hill Formation
Aquifer Type:	Not Reported	Construction Date:	1946
Well Depth:	252	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
RENSSELAER	BERLIN	19	7.79	5.55	25
RENSSELAER	BRUNSWICK	96	7.37	3.67	92.2
RENSSELAER	E. GREENBUSH	220	7.13	3.36	56.1
RENSSELAER	GRAFTON	31	3.83	2.13	17.7
RENSSELAER	HOOSICK	40	3.68	2.57	19.6
RENSSELAER	NASSAU	76	6.56	3.17	38.1
RENSSELAER	NO. GREENBUSH	211	9.06	4.28	130.6
RENSSELAER	PETERSBURG	36	4.69	3.6	22.1
RENSSELAER	PITTSTOWN	27	6.43	2.92	74.2
RENSSELAER	POESTENKILL	48	6.45	4.19	31.4
RENSSELAER	RENSSELAER	122	5.72	2.69	65.3
RENSSELAER	SAND LAKE	169	6.23	3.1	37.7
RENSSELAER	SCHAGHTICOKE	42	5.59	4.02	19.3
RENSSELAER	SCHODACK	247	8.3	4.2	103.2
RENSSELAER	STEPHENTOWN	29	5.35	3.23	23.3
RENSSELAER	TROY	498	5.97	3.08	134.7

Federal EPA Radon Zone for RENSSELAER County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for RENSSELAER COUNTY, NY

Number of sites tested: 85

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.570 pCi/L	87%	13%	0%
Basement	2.890 pCi/L	66%	31%	4%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix C:
Sanborn Maps

20 Forbes Ave

20 Forbes Ave

Rensselaer, NY 12144

Inquiry Number: 6490375.3

May 12, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

05/12/21

Site Name:

20 Forbes Ave
20 Forbes Ave
Rensselaer, NY 12144
EDR Inquiry # 6490375.3

Client Name:

Alpine Environmental Services
438 New Karner Road
Albany, NY 12205-0000
Contact: Denise Salisbury

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Alpine Environmental Services were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # D607-4675-8AFA

PO # 21-26694-E

Project 21-26694-E

Maps Provided:

1967
1949
1925
1909

Sanborn® Library search results

Certification #: D607-4675-8AFA

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Alpine Environmental Services (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1967 Source Sheets

Volume 1, Sheet 16

1949 Source Sheets

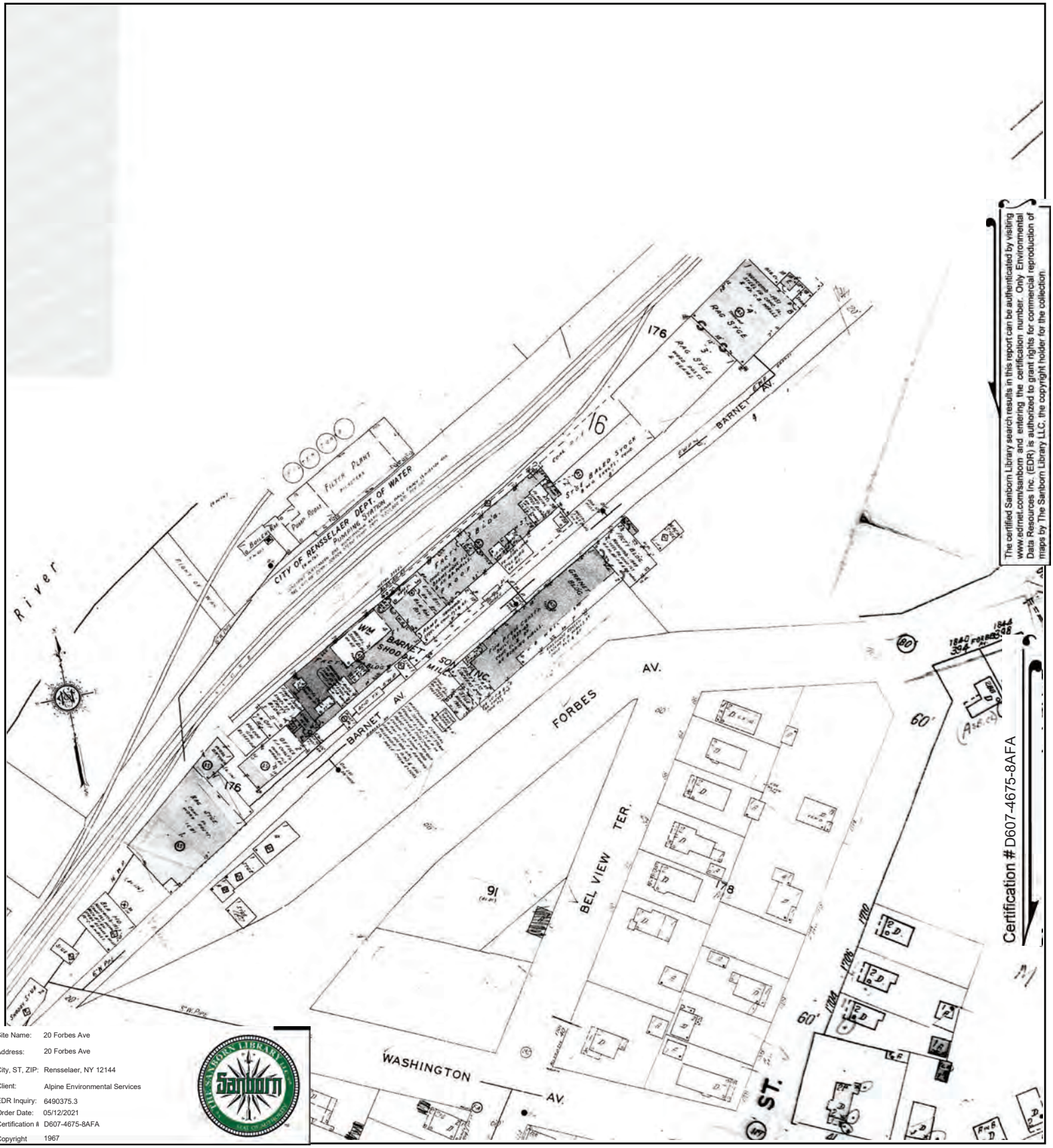
Volume 1, Sheet 16

1925 Source Sheets

Volume 1, Sheet 16

1909 Source Sheets

Volume 1, Sheet 22



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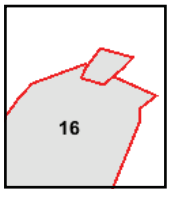
Site Name: 20 Forbes Ave
Address: 20 Forbes Ave
City, ST, ZIP: Rensselaer, NY 12144
Client: Alpine Environmental Services
EDR Inquiry: 6490375.3
Order Date: 05/12/2021
Certification #: D607-4675-8AFA
Copyright: 1967

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

Volume 1, Sheet 16

0 Feet 150 300 600



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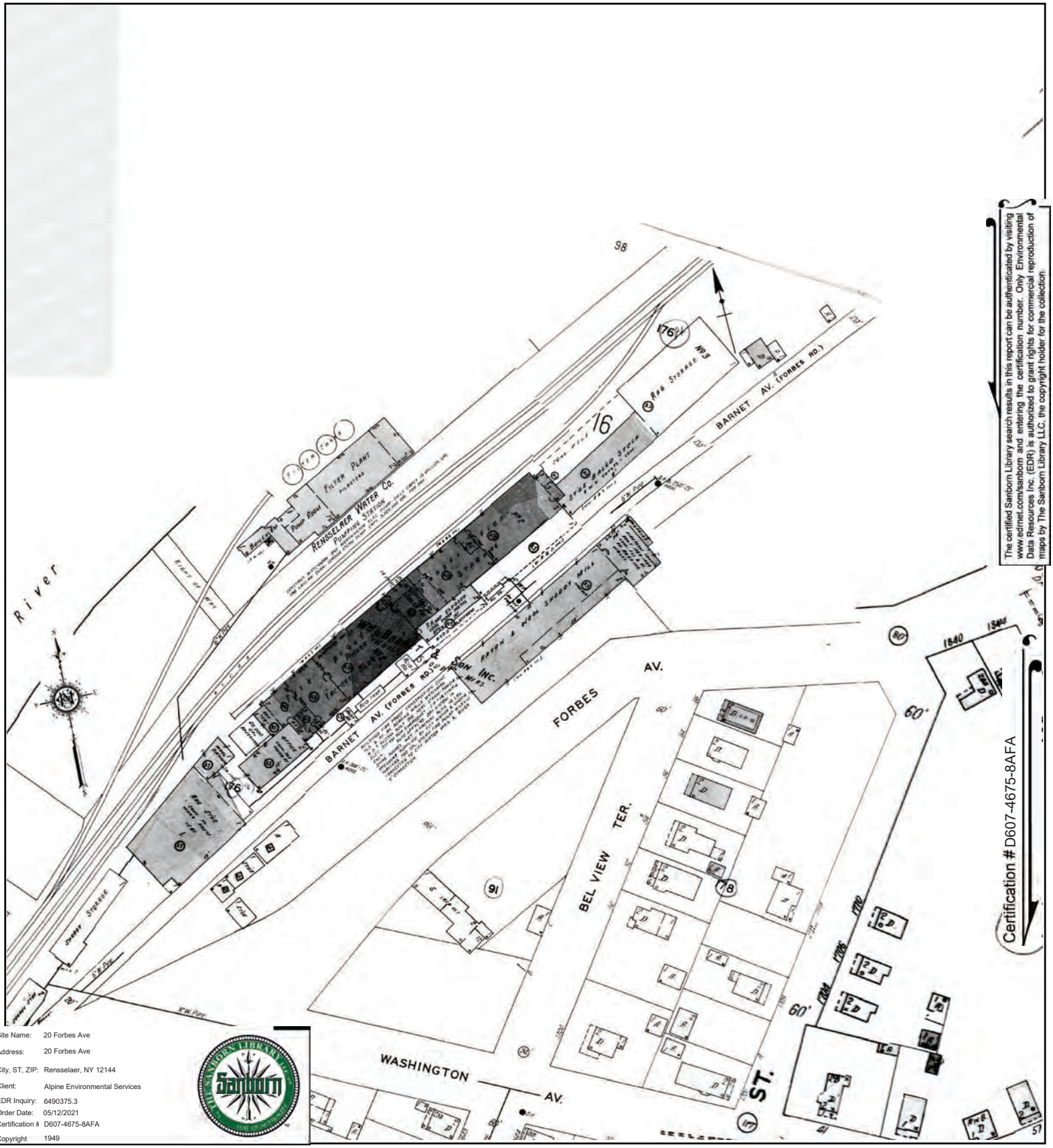

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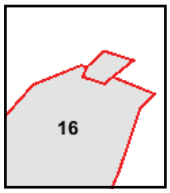
Site Name:	20 Forbes Ave
Address:	20 Forbes Ave
City, ST, ZIP:	Rensselaer, NY 12144
Client:	Alpine Environmental Services
EDR Inquiry:	6490375.3
Order Date:	05/12/2021
Certification #	D607-4675-8AFA
Copyright	1949

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

Volume 1, Sheet 16



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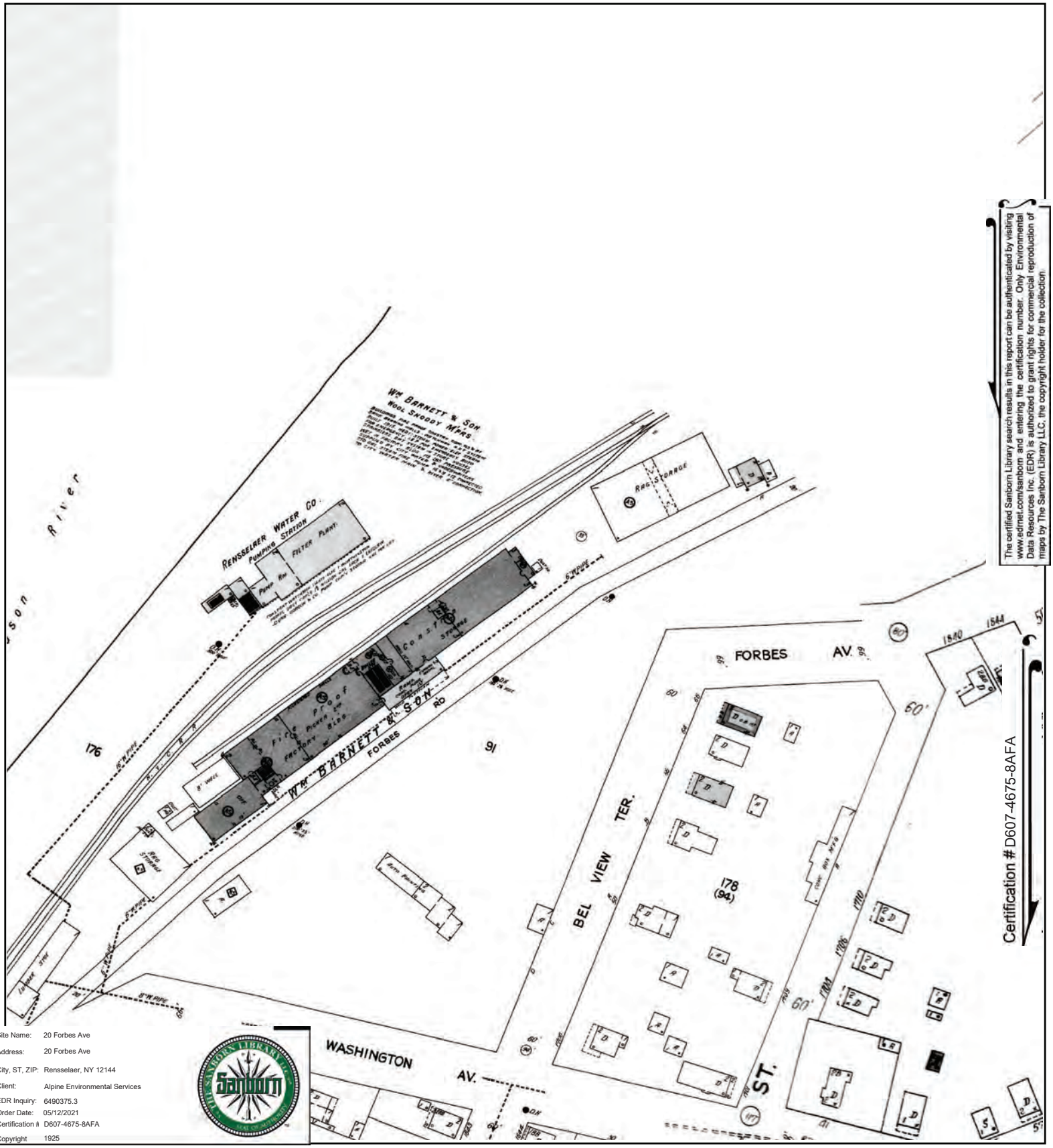

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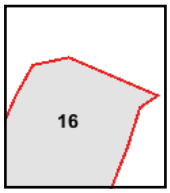
Site Name: 20 Forbes Ave
Address: 20 Forbes Ave
City, ST, ZIP: Rensselaer, NY 12144
Client: Alpine Environmental Services
EDR Inquiry: 6490375.3
Order Date: 05/12/2021
Certification #: D607-4675-8AFA
Copyright 1925

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

Volume 1, Sheet 16



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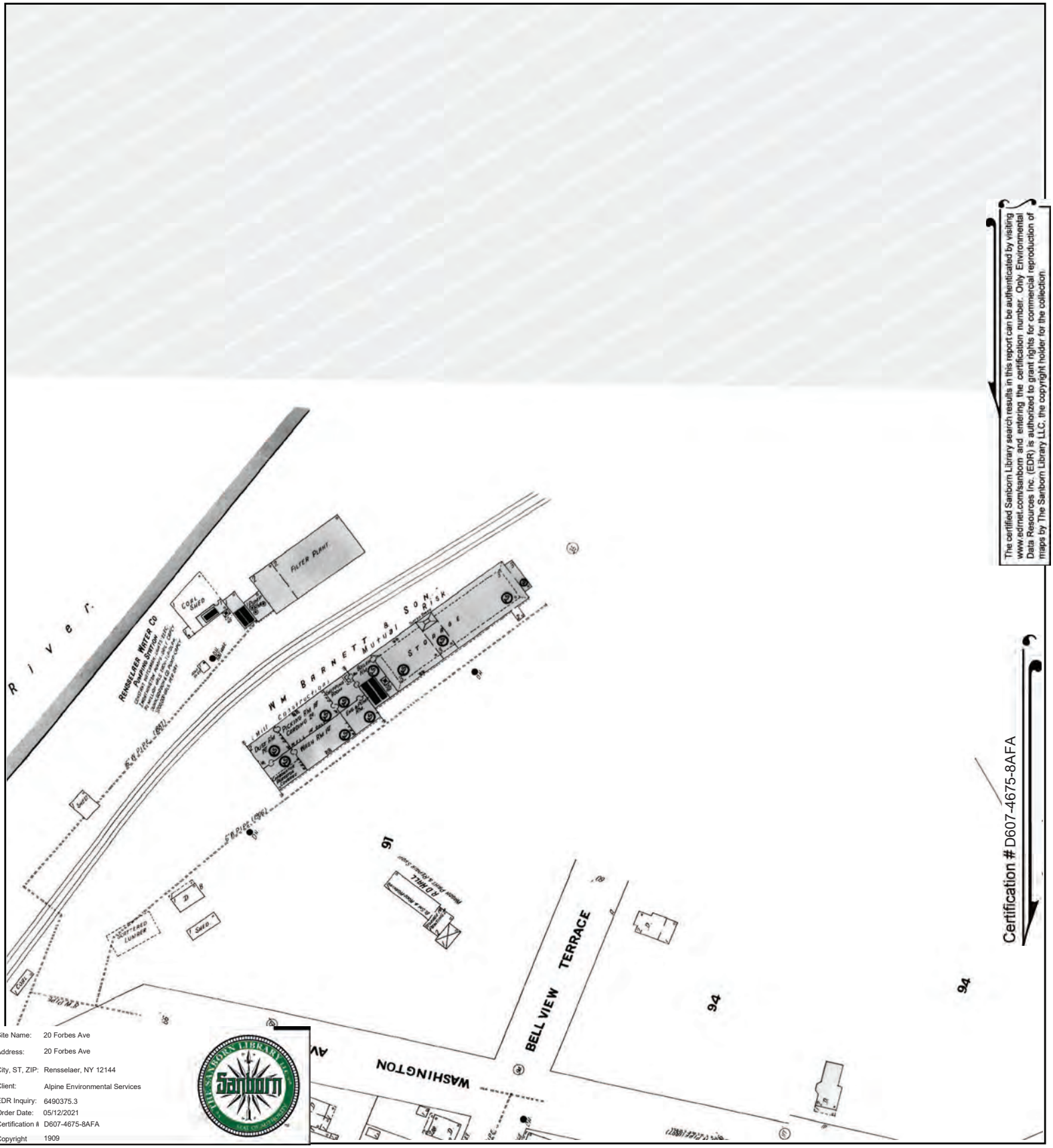

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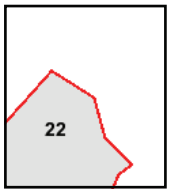
Site Name: 20 Forbes Ave
Address: 20 Forbes Ave
City, ST, ZIP: Rensselaer, NY 12144
Client: Alpine Environmental Services
EDR Inquiry: 6490375.3
Order Date: 05/12/2021
Certification #: D607-4675-8AFA
Copyright: 1909

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

Volume 1, Sheet 22



N

Appendix D:
Aerial Photographs

20 Forbes Ave

20 Forbes Ave

Rensselaer, NY 12144

Inquiry Number: 6490375.8

May 13, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

05/13/21

Site Name:

20 Forbes Ave
20 Forbes Ave
Rensselaer, NY 12144
EDR Inquiry # 6490375.8

Client Name:

Alpine Environmental Services
438 New Karner Road
Albany, NY 12205-0000
Contact: Denise Salisbury

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1995	1"=500'	Acquisition Date: May 07, 1995	USGS/DOQQ
1986	1"=500'	Flight Date: March 31, 1986	USDA
1984	1"=1000'	Flight Date: March 16, 1984	USGS
1977	1"=500'	Flight Date: April 17, 1977	USDA
1973	1"=500'	Flight Date: June 16, 1973	USGS
1960	1"=500'	Flight Date: May 01, 1960	USGS
1952	1"=500'	Flight Date: June 02, 1952	USDA
1942	1"=500'	Flight Date: January 01, 1942	FirstSearch

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INQUIRY #: 6490375.8
YEAR: 2017
= 500'
N
EDR

INQUIRY #: 6490375.8
YEAR: 2013
= 500'
N
EDR

INQUIRY #: 6490375.8
YEAR: 2009
= 500'
N
EDR

INQUIRY #: 6490375.8
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 6490375.8
YEAR: 1995
= 500'
N
EDR

INQUIRY #: 6490375.8

YEAR: 1986

= 500'

N

EDR

INQUIRY #: 6490375.8
YEAR: 1984
= 1000'
N
EDR

INQUIRY #: 6490375.8

YEAR: 1977

= 500'

N

EDR

INQUIRY #: 6490375.8

YEAR: 1973

= 500'

N

EDR

INQUIRY #: 6490375.8

YEAR: 1960

= 500'

N

EDR

INQUIRY #: 6490375.8

YEAR: 1952

= 500'

N

EDR

INQUIRY #: 6490375.8
YEAR: 1942
= 500'
N
EDR

Appendix E:
Historic Topographic Maps

20 Forbes Ave

20 Forbes Ave

Rensselaer, NY 12144

Inquiry Number: 6490375.4

May 12, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

05/12/21

Site Name:

20 Forbes Ave
20 Forbes Ave
Rensselaer, NY 12144
EDR Inquiry # 6490375.4

Client Name:

Alpine Environmental Services
438 New Karner Road
Albany, NY 12205-0000
Contact: Denise Salisbury

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Alpine Environmental Services were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 21-26694-E
Project: 21-26694-E

Coordinates:

Latitude:	42.659171 42° 39' 33" North
Longitude:	-73.732749 -73° 43' 58" West
UTM Zone:	Zone 18 North
UTM X Meters:	603861.32
UTM Y Meters:	4723745.84
Elevation:	30.47' above sea level

Maps Provided:

2013
1980
1953
1950
1928
1925
1898
1895
1893

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets

Albany

7.5-minute, 24000

Troy South

7.5-minute, 24000

1980 Source Sheets

Troy South

7.5-minute, 24000
Aerial Photo Revised 1978

Albany

7.5-minute, 24000
Aerial Photo Revised 1978

1953 Source Sheets

Troy South

7.5-minute, 24000
Aerial Photo Revised 1952

Albany

7.5-minute, 24000
Aerial Photo Revised 1952

1950 Source Sheets

Albany

15-minute, 62500

Troy

15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1928 Source Sheets

Troy

15-minute, 62500

1925 Source Sheets

Troy

15-minute, 48000

1898 Source Sheets

Troy

15-minute, 62500

Albany

15-minute, 62500

1895 Source Sheets

Troy

15-minute, 62500

Albany

15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

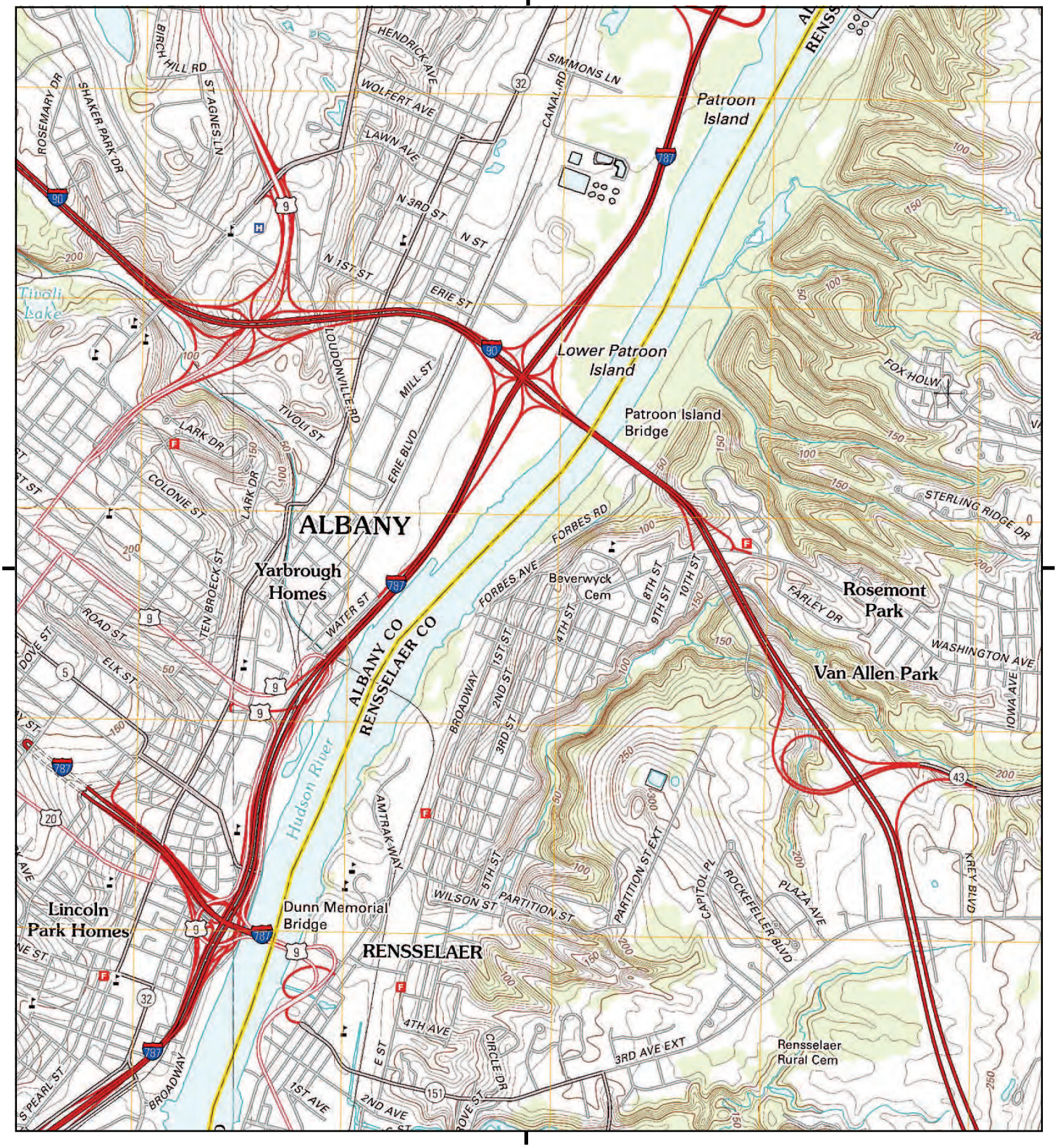
1893 Source Sheets

Troy

15-minute, 62500

Albany

15-minute, 62500



This report includes information from the following map sheet(s).

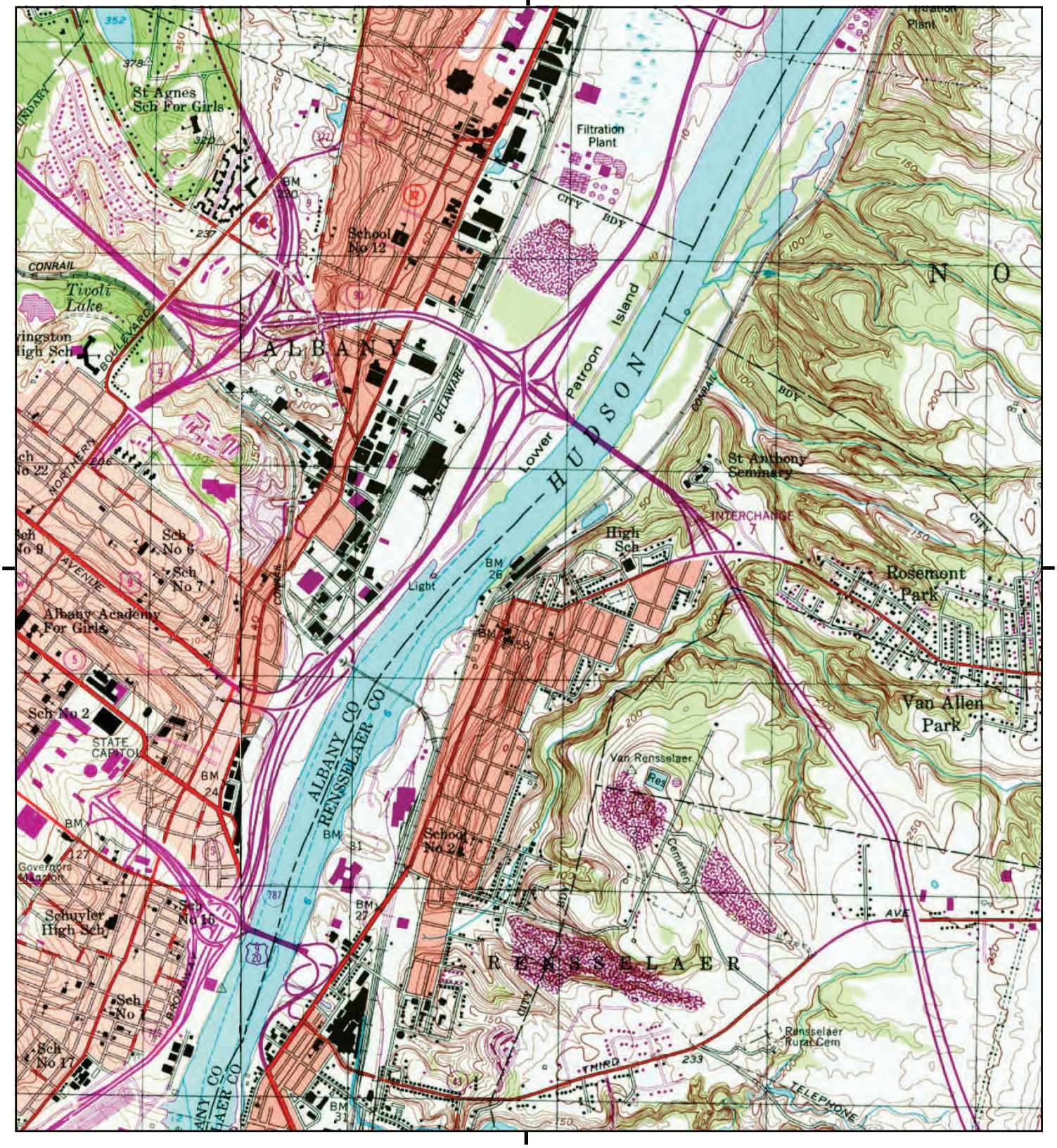
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Troy South, 2013, 7.5-minute
NW, Albany, 2013, 7.5-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

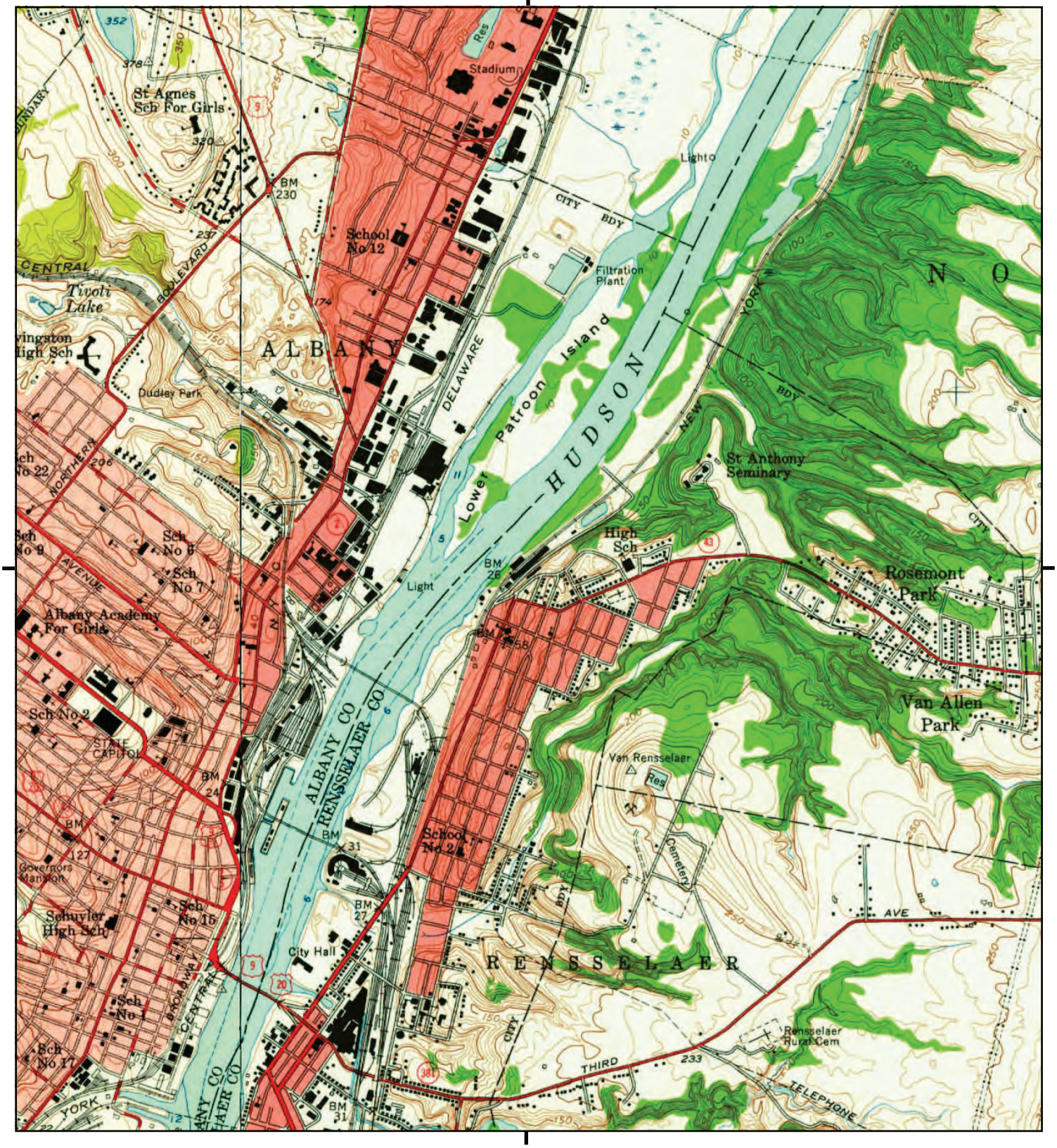
TP, Troy South, 1980, 7.5-minute
NW, Albany, 1980, 7.5-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N

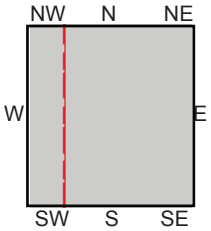
Historical Topo Map

1953



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



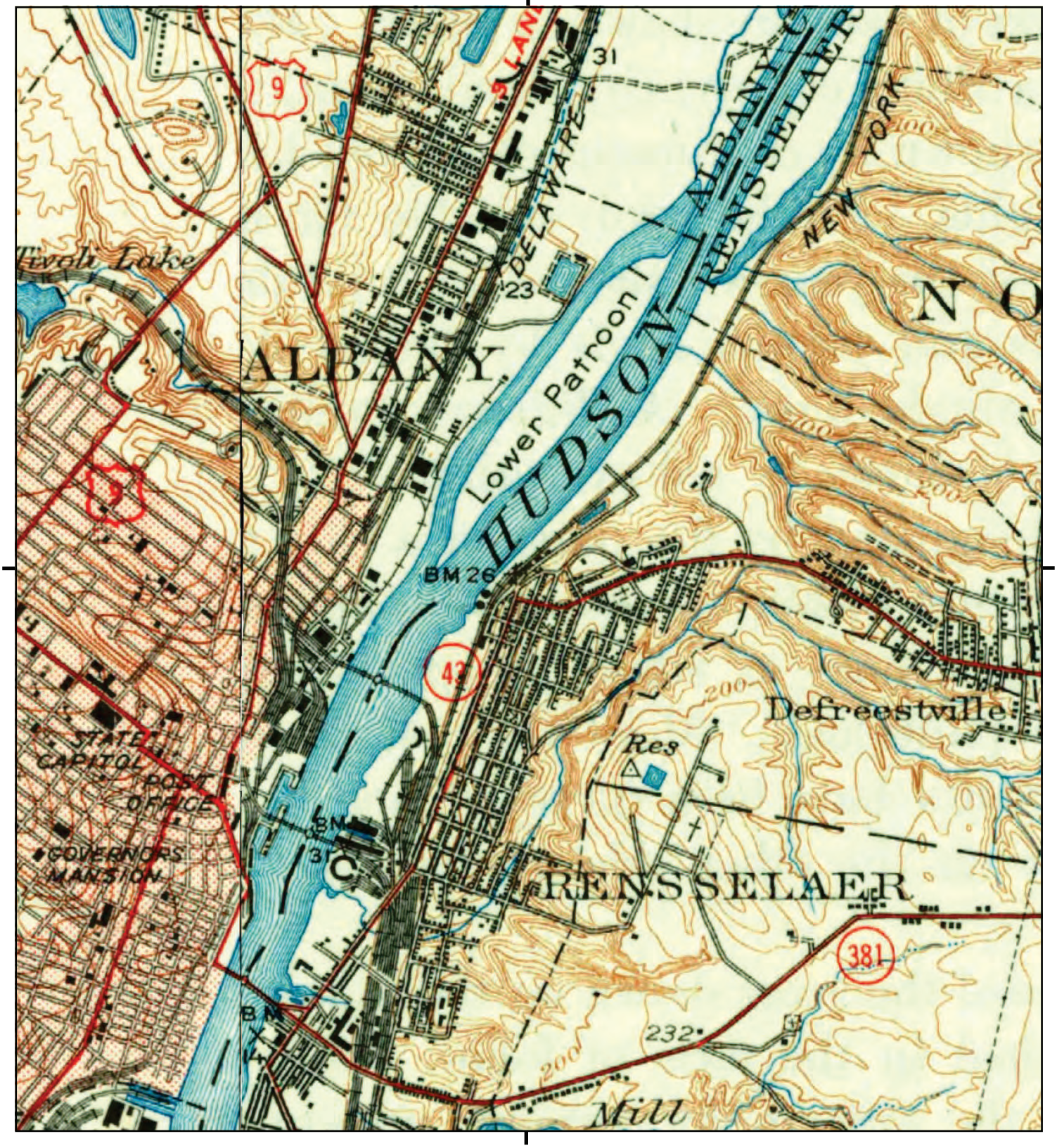
TP, Troy South, 1953, 7.5-minute
NW, Albany, 1953, 7.5-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N

Historical Topo Map

1950



This report includes information from the following map sheet(s).

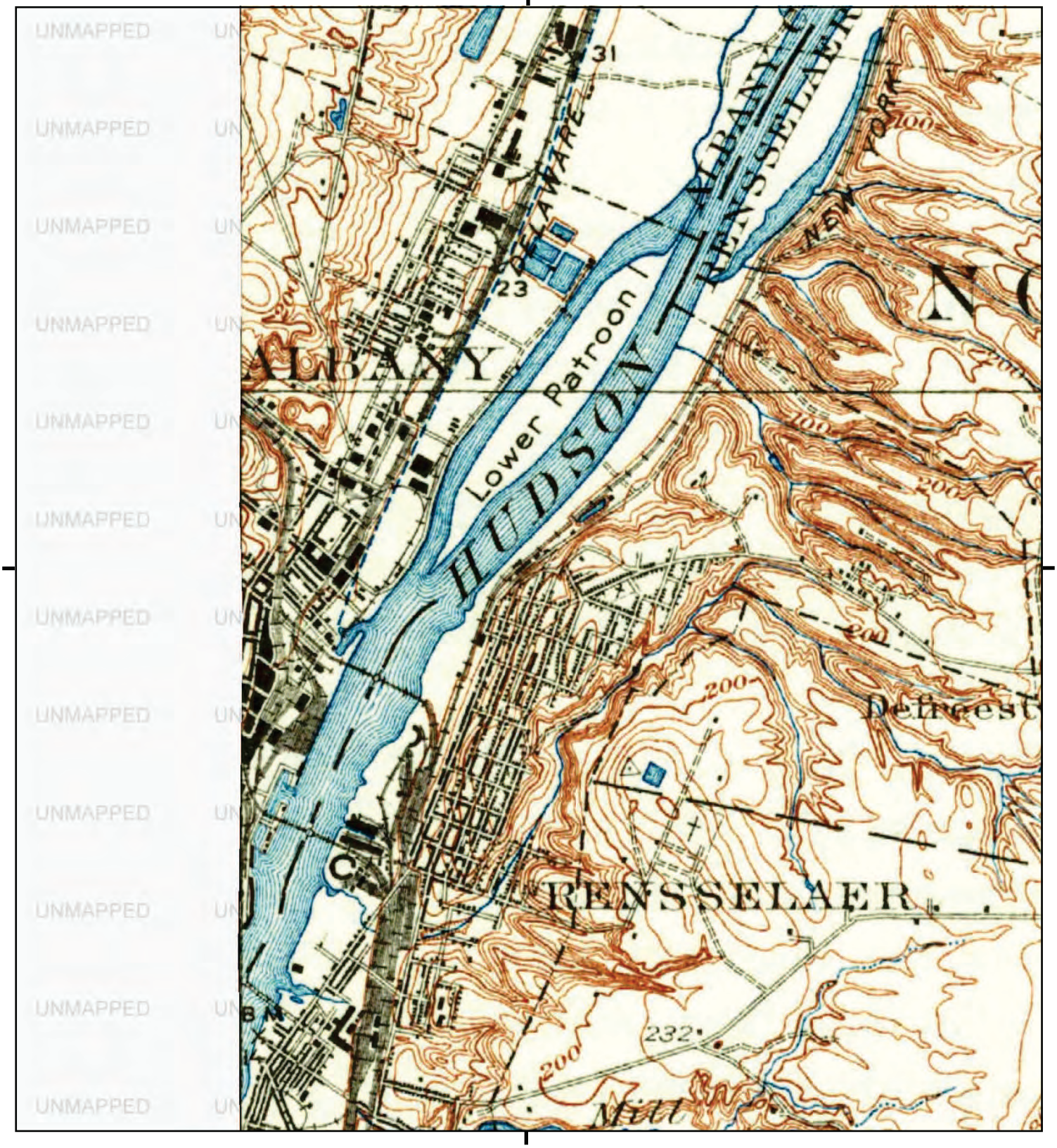
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Troy, 1950, 15-minute
W, Albany, 1950, 15-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

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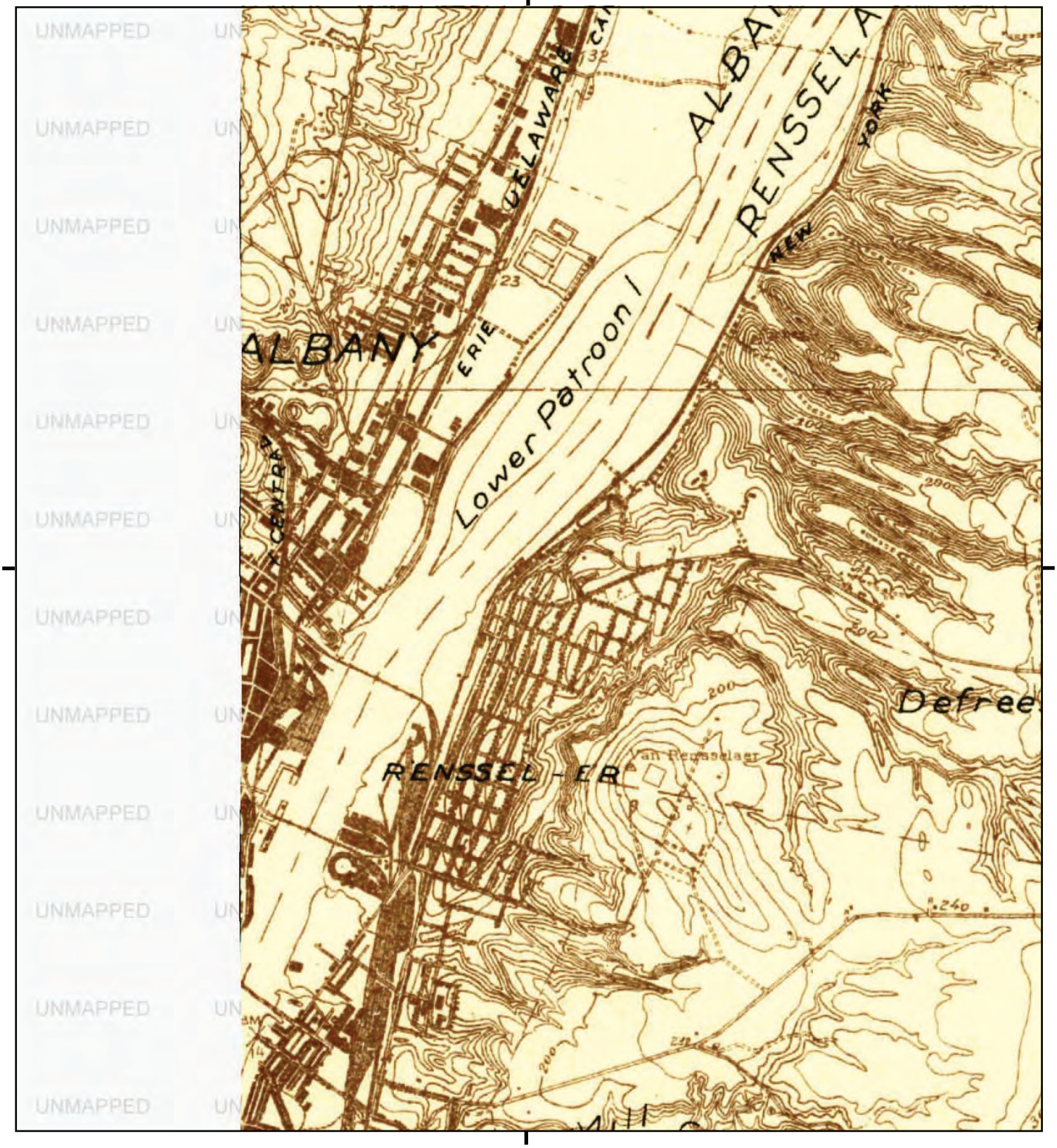
W E
SW S SE

TP, Troy, 1928, 15-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N



This report includes information from the following map sheet(s).

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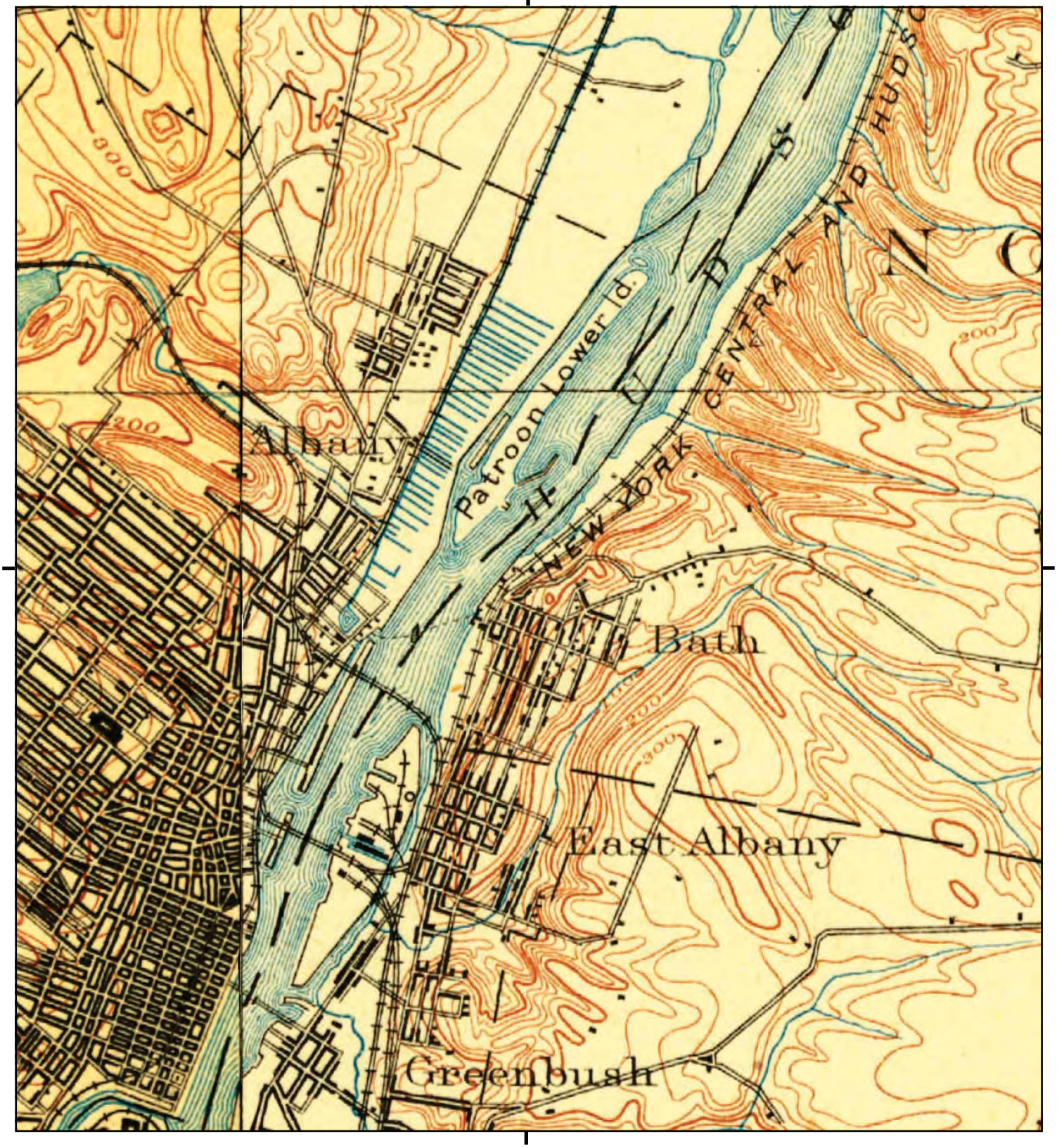
NW N NE
W E
SW S SE

TP, Troy, 1925, 15-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N



This report includes information from the following map sheet(s).

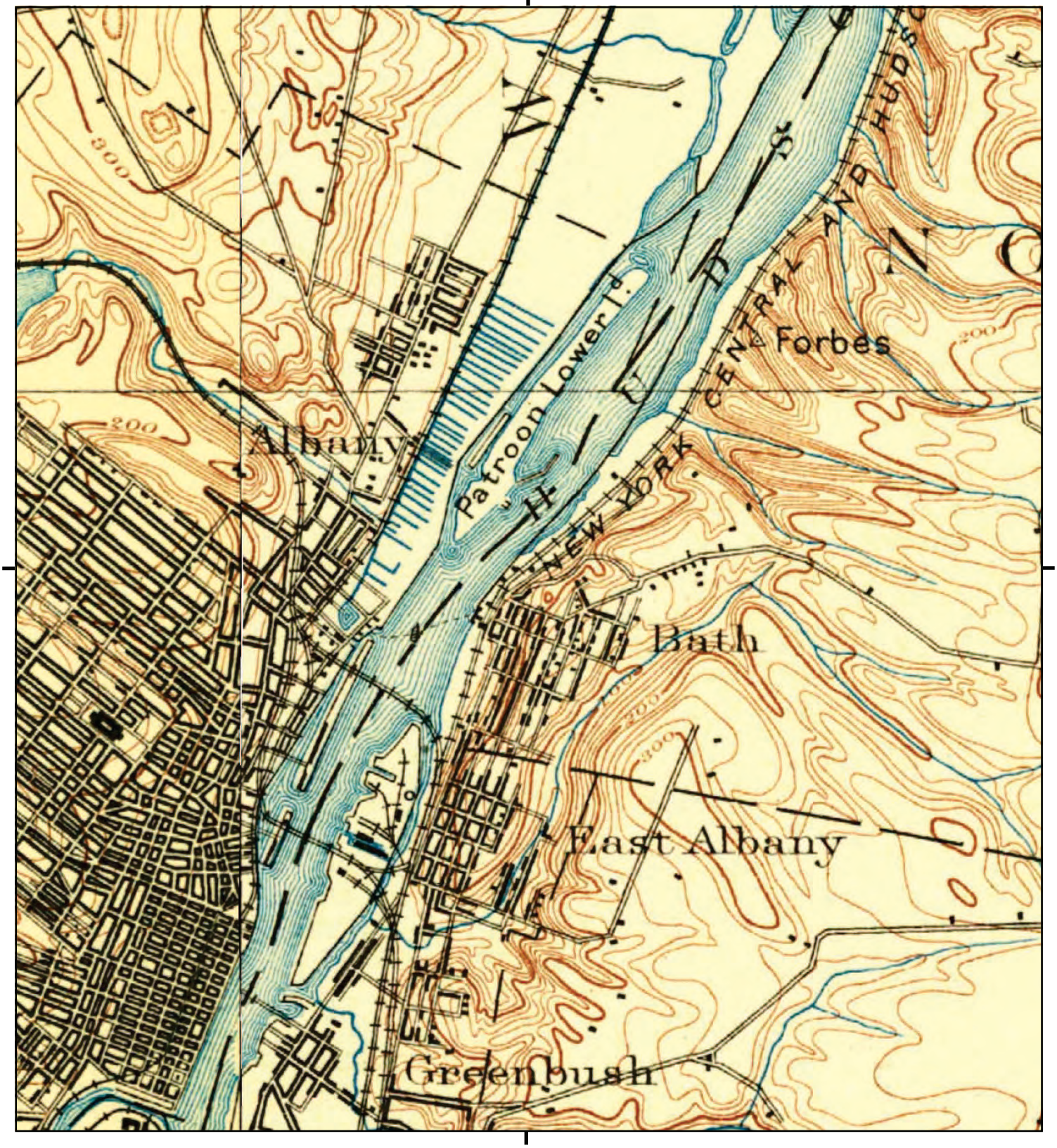
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Troy, 1898, 15-minute
W, Albany, 1898, 15-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N



This report includes information from the following map sheet(s).

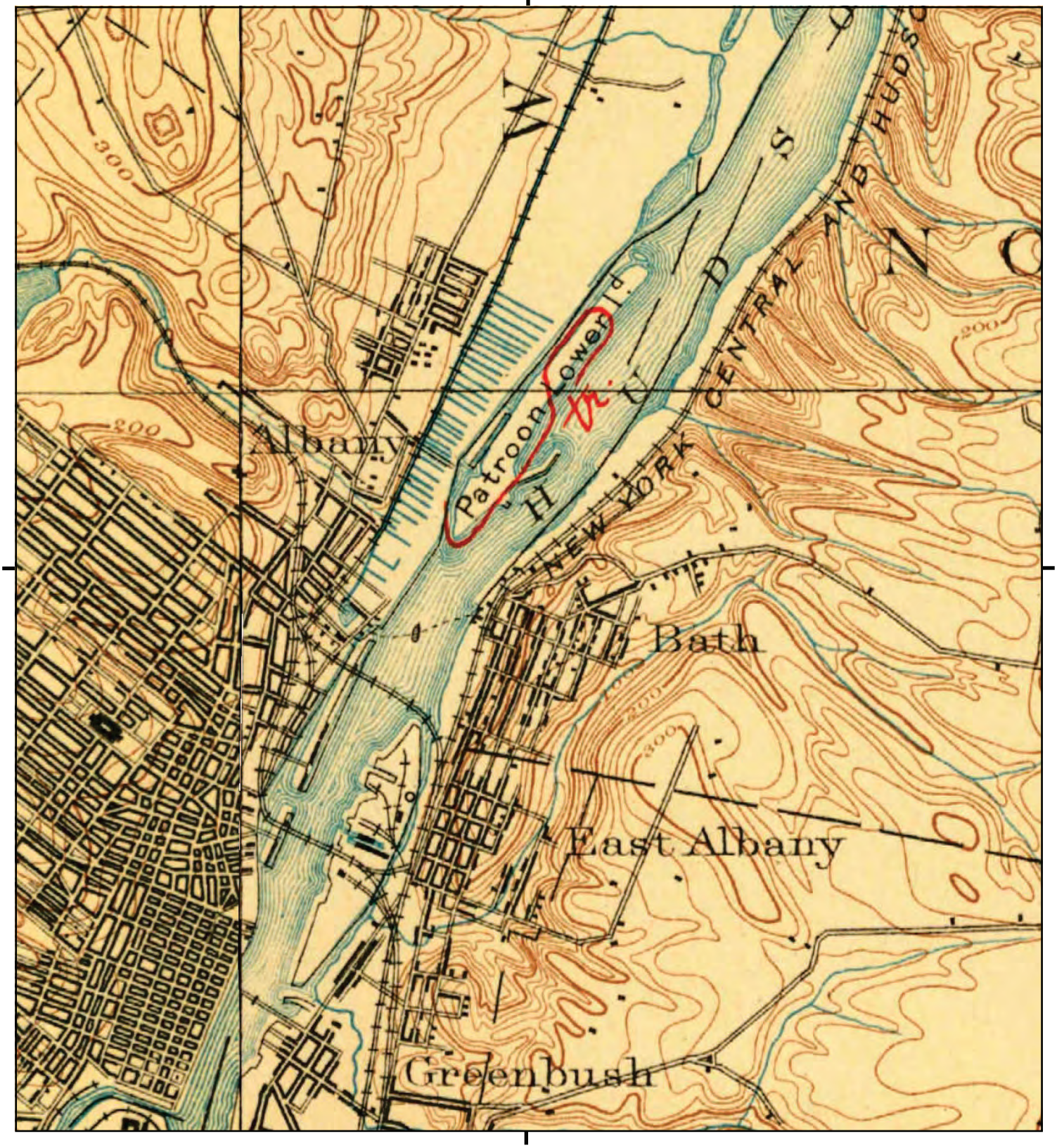
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Troy, 1895, 15-minute
W, Albany, 1895, 15-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Troy, 1893, 15-minute
W, Albany, 1893, 15-minute

SITE NAME: 20 Forbes Ave
ADDRESS: 20 Forbes Ave
Rensselaer, NY 12144
CLIENT: Alpine Environmental Services

N

Appendix F:

Questionnaires

Alpine
ENVIRONMENTAL SERVICES

OWNER/OWNER REPRESENTATIVE QUESTIONNAIRE
PHASE I ENVIRONMENTAL SITE ASSESSMENT (ASTM E 1527)

Owner/Owner Rep. Name(s): MARK TELISTA

Address: 2431 OLD COACH DR

Phone/Email: 518-365-4225

Subject Property Address: Former Barnet Mill, 20 Forbes Avenue, Rensselaer, NY

Subject Property Type: INDUSTRIAL

Type of Property Transaction:
a.) Sale
b.) Lease
c.) Other: _____

1. What year did you become owner of the Subject Property?

   2017

2. What is the current and past usage of the Subject Property?

Time Period	Usage
2017/2023	VACANT
2013/2017	VACANT
2000/2013	ART CENTER / INDUSTRIAL PARK
1990/1999	TALLIFF PLASTIC INJECTION MOLD

3. Does the current sale price for the Subject Property reflect the fair market value?

   ○ No (If no, please explain) ● Yes ○ Not Applicable

4. What is the current heating fuel for the Subject Property? (Check all that apply)

   ● Natural Gas
   ● Fuel oil
   ○ Electric
   ○ Wood
   ● Not Heated/Not Applicable
   ○ Other _____

5. Do you have knowledge of a different heating fuel being used in the past for the Subject Property?

   ● No ● Yes (If yes, please explain)

   NO LONGER USED TANK REMOVED

Alpine Environmental Services, Inc. 438 New Karner Road, Albany, New York 12205
Ph. (518) 250-4047, Fax (518) 250-4353

Alpine
ENVIRONMENTAL SERVICES

6. Are you aware of any current or past chemical or petroleum storage tanks or drums, above ground or underground, located on the Subject Property?

○ No ● Yes (If yes, please explain)

20K GAL TANK #6 OIL SOUTH OF BLD 1
1 K GAL OIL SEPERATOR N OF BLD 5
500 GAL OIL TANK S OF BLD 4

7. Do you currently, or have you in the past, handled chemical or petroleum products on the Subject Property, excluding household cleaning or maintenance products in containers in non leaking condition, of one gallon or less?

● No ○ Yes (If yes, please explain)

8. Do you know of any chemical or petroleum spills or other releases that have taken place at the Subject Property?

X ● No ● Yes (If yes, please explain)

#6 OIL WAS VISIBLE DURING
20K GALLON TANK REMOVAL

9. Do you know of specific chemicals or petroleum products that are present, or once were present, at the Subject Property?

○ No ● Yes (If yes, please explain)

#6 OIL, HEATING OIL, ANTI FREEZE
MOTOR OIL, PAINT

10. Do you know of any environmental cleanups that have taken place at the Subject Property?

○ No ● Yes (If yes, please explain)

REMOVAL 20K GAL #6 OIL TANK
REMOVAL 1K GAL OIL SEPERATOR
ASBESTOS ABATEMENT THROUGHOUT

11. Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Subject Property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Subject Property; or any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?

● No ○ Yes (If yes, please explain)

12. Are you aware of any "Activity and Use Limitations" (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the Subject Property and/or have been filed or recorded under federal, tribal, state or local law?

● No ○ Yes (If yes, please explain)

Alpine Environmental Services, Inc. 438 New Karner Road, Albany, New York 12205
Ph. (518) 250-4047, Fax (518) 250-4353

13. To the best of your knowledge, has the Subject Property, currently or in the past, been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard, landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

○ No ● Yes (If yes, please explain)
THERE HAS BEEN MISC MOTOR VEHICLE REPAIR SHOPS AT PROPERTY

14. Are you aware of any environmental reports related to the Subject Property including, but not limited to:
→ Environment site assessment reports,
Environment compliance audit reports,
Environmental permits (for example, solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits),
→ Registrations for underground and above-ground storage tanks,
Registrations for underground injection systems,
Safety plans; preparedness and prevention plans;
Spill prevention, countermeasure, and control plans; etc.,
Hazardous waste generator notices or reports,
Geotechnical studies,
→ Asbestos, Lead based paint, PCB testing reports,
Risk assessments?

○ No ● Yes (If yes, please explain)

15. To the best of your knowledge, has any adjoining property, currently or in the past, been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard, landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

● No ○ Yes (If yes, please explain)

Questionnaire Completed by: MARK TELISKA

Title: PARTNER

Company: SOUTH SPRINGS DEVELOPMENT

Date: 1/30/23

Amount of time with personal knowledge of the Subject Property: 6 years

Please return this questionnaire to: MarkS@AlpineEnv.com, Alpine Environmental Services, Inc., 438 New Karner Road, Albany, New York 12205, or fax (518) 250-4353 attention Mark Schnitzer.

Alpine Environmental Services, Inc. 438 New Karner Road, Albany, New York 12205
Ph. (518) 250-4047, Fax (518) 250-4353

Appendix G:

City Directory

20 Forbes Ave
20 Forbes Ave
Rensselaer, NY 12144

Inquiry Number: 6490375.5
May 14, 2021

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1988	☑	☐	Polk's City Directory
1983	☑	☐	Polk's City Directory
1978	☑	☐	Polk's City Directory
1973	☑	☐	Polk's City Directory
1968	☑	☐	Polk's City Directory
1963	☑	☐	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

20 Forbes Ave
Rensselaer, NY 12144

Year	*CD Image*	*Source*
FORBES AVE		
2017	pg A2	EDR Digital Archive
2014	pg A4	EDR Digital Archive
2010	pg A6	EDR Digital Archive
2005	pg A9	EDR Digital Archive
2000	pg A12	EDR Digital Archive
1995	pg A14	EDR Digital Archive
1992	pg A15	EDR Digital Archive
1988	pg A17	Polk's City Directory
1983	pg A18	Polk's City Directory
1978	pg A19	Polk's City Directory
1973	pg A20	Polk's City Directory
1968	pg A21	Polk's City Directory
1963	pg A22	Polk's City Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2017

4	RODDY, STEPHEN P
5	BILLETTS, KEVIN W
	EWENS, MELISSA A
	RODELL, CATHERINE
7	FRANCOIS, JEAN E
	REHDER, ANN M
9	MILLER, DEBBIE A
11	DOCKSTADER, JASON N
15	HULL, RAYMOND W
17	MOYER, ARTHUR C
20	HILTON CENTER
	WALLANT ARCHITECTS
25	KOSINSKI, EDWARD S
394	RIVENBURGH, JOSEPH J
460	ARDUINI, BERNARD P
	BRANBOW, GLORIA
	BROWN, ANTOINETTE
	BTAG, JOHN R
	BURDICK, SAM J
	BURKS, LEGENA
	BUROMETTO, VINCENT B
	BUSHNELL, JAMES
	CLEARY, ELEANOR
	COLE, CALVIN J
	CONNELL, WILLIAM T
	CONNORS, MATTHEW R
	COONS, VANGREGORY V
	CROSS, HARRIETT
	DAVIS, ANNETTE H
	DEBROCKY, RUSSELL B
	DIER, STEPHEN J
	DOMINSKI, LILLIAN M
	DONOVAN, PENNY A
	EVERETTE, JAMES
	FERNANDEZ, AGENA M
	FORTE, THOMAS J
	GARNIER, RUTH I
	GEIER, JOSEPH
	GMFVAN RENSSELAER H LLC
	GOGO, LINDA
	GOLDBERG, NICOLE R
	HART, GRACE C
	HENCHEY, JOAN M
	HINTZE, CHRISTINE M
	HOFFMAN, LAURELL M
	HORTON, JOHN
	HUGHES, KATHY
	JEROME, PATRICK O
	KAHLER, JOHN C
	KARIS, STELLA P

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2017 (Cont'd)

460 KLEINHANS, ETHEL R
LAGOY, PATRICIA A
LAMBERT, CAROL A
LATHAM, NANCY J
LUNDSTROM, GAIL A
LYNCH, MARGARETE
MCCAULEY, JANET S
MOSCA, DOMINICK M
MYERS, DIANE R
NESTLER, CHARLENE M
NOONAN, CHARLES J
NUGENT, RAMONA J
OAKES, DENISE G
OATHOUT, DANIEL H
PARENT, HELEN A
PARKER, ELIZABETH S
PETRAZZOULO, MICHAEL C
PLUE, GEORGE
PONDILLO, JEAN P
PUENTES, CARLOS M
PULLIAM, JANE R
REINHART, T
RIVERS, JAYNE A
ROWE, WAYNE A
RUDOLPH, JANICE B
SHEEHAN, CAROL A
SHIPPEY, JEAN
SROKA, GEORGE
STAY, DAVID
STENHOUSE, MARION M
SZURPIK, LIDA
THORPE, LYDIA K
TIBBS, ANITA
VALENTI, ELAINE M
VAN RENSSELAER HEIGHTS
VANAMERONGEN, IAN F
WAGONER, WILLIAM A
WILLIAMS, RUTH M
WRIGHTON, CECILIA A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2014

2	VERARDI, LAURIE
4	RODDY, STEPHEN P
5	BILLETTS, KEVIN W
	EWENS, MELISSA A
	RODELL, CATHERINE
7	FRANCOIS, JEAN E
	KOLAWOLE, TANYA E
9	HUGHES, JERMERLE
	MILLER, CHRISTAN M
10	OCCUPANT UNKNOWN,
11	DOCKSTADER, JASON N
15	HULL, RAYMOND W
	KOT ELECTRICAL
17	MOYER, ARTHUR C
20	FRANK SMITH SIGNS
	HILTON CENTER
	WALLANT ARCHITECTS
23	ROSE, THOMAS R
25	KOSINSKI, EDWARD S
394	RIVENBURGH, JOSEPH J
409	SMITH, CAROL
460	BANKOWSKI, JOSEPH
	BASOLT, PAULINE E
	BATCHER, BETTYJANE
	BENEDICT, ROBERTA E
	BIER, STEPHEN
	BOYLE, JOYCE A
	BRANBOW, GLORIA
	BROWN, ANTOINETTE
	BURDICK, D
	BURDICK, SAM J
	BURKS, LEGENA
	CIERI, EDWIN M
	CLARK, VIVIAN
	CONNELL, WILLIAM T
	COONS, GREGORY V
	COX, LORETTA
	CRIDER, MARY S
	DAIGLE, MARIE H
	DAVIS, ANNETTE H
	DEBROCKY, RUSSELL B
	DELSIGNORE, LOUIS
	DONOVAN, PENNY A
	DUFFY, ROBERT E
	EVANS, JOHN
	FERNANDEZ, AGENA M
	FIELD, RICHARD E
	FORTE, LORETTA Y
	FORTE, THOMAS J
	GEER, MAURICE F

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2014 (Cont'd)

460	GMFVAN RENSSELAER H LLC
	GOGO, LINDA
	GOLDBERG, DAVID I
	GOLDBERG, NICOLE R
	GRIFFITH, MARILYN E
	GUILIANELLI, JOYCE M
	HARDT, JANN
	HENCHEY, JOAN M
	HOFFMAN, LAURIE
	HORTON, JOHN
	HUGHES, CLARENCE P
	JEROME, PATRICK O
	KARIS, STELLA P
	KROSS, KENNETH B
	LAMBERT, CAROL A
	LATHAM, NANCY J
	LOCCI, FRANCES J
	LUNDSTROM, GAIL A
	LYNCH, MARGARETE
	MCCAULEY, JANET S
	MOSCA, DOMINICK M
	MOTLER, FRANKLINETTE A
	MYERS, MARK
	NOVAK, JOSEPH C
	OKESSON, PRISCILLA O
	POWELL, DOROTHEA A
	PRATT, EUGENE E
	PUENTES, CARLOS M
	ROSE, DAWN E
	ROSE, MILES
	ROWE, WAYNE A
	SCHROEDER, ELEANOR
	SHANNON, PHILLIP D
	SHELTON, REVA
	SHIPPEY, JEAN
	SMITH, PATRICIA
	SMITH, ROYAL I
	STENHOUSE, MARION M
	THORPE, LYDIA K
	VALENTI, ELAINE M
	VAN RENSELAER HEIGHTS
	VAN RENSSELAER HEIGHTS
	VANALSTYNE, JOAN M
	VANAMERONGEN, IAN F
	VOLLOR, WILL R
	WILLIAMS, RUTH M
490	PAUL, AVERILL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2010

2	HARTS COLLISION INC
4	OCCUPANT UNKNOWN,
	RENSSELAER AUTO PARTS
5	BILLETTS, KEVIN W
	EWENS, MELISSA A
7	FRANCOIS, JEAN
	WHITNEY, ROBERT F
10	OCCUPANT UNKNOWN,
15	HULL, RAYMOND W
	KOT ELECTRICAL
17	MOYER, ARTHUR C
20	CASTLE PHOTOGRAPHY INC
	PRO MANUFACTURING CO INC
23	ROSE, THOMAS J
25	KOSINSKI, EDWARD S
394	RIVENBURGH, JOSEPH J
400	HOOSE, DANIEL R
409	SMITH, CAROL
460	BANKOWSKI, JOSEPH
	BARRINGTON, FRANCIS D
	BASOLT, PAULINE E
	BATTISTO, PA A
	BENT, JOSEPH F
	BOYLE, JOYCE A
	BREEDLOVE, GREGORY P
	BRENNAN, BARBARA E
	BROOKING, BETH
	BROWN, ELEANOR J
	BUROMETTO, VINCENT B
	CIERI, DORIS I
	CLARKE, GEORGE E
	COLAVITO, NICHOLAS J
	COLGAN, FRANK
	CONNELL, WILLIAM
	COONS, LORETTA C
	DIER, DIANE
	DIER, STEPHEN
	DOMINSKI, LILLIAN M
	DUFFY, ROBERT E
	ELDERKIN, VENONIE
	FARESTA, C
	FIATO, JESSICA M
	FORDLEY, JAMES
	FORTE, LORETTA Y
	FULLER, JOSEPHINE
	GANANCE, ROSEMARY
	GARNIER, RUTH I
	GEER, THERESA R
	GILL, BETH A
	GOLDBERG, CAROL J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2010 (Cont'd)

460 GOLDBERG, NICOLE R
GRAY, LOIS M
GRIFFITH, JOSEPH
GUILIANELLI, JOYCE M
HARDT, JULE A
HART, GRACE C
HENCHEY, JOAN M
HERRERA, NIKEYA
HERRINGTON, ROYAL A
HILTON, WILLIAM
HOFFMAN, N
HORTON, JOHN
HUGHES, CLARENCE P
JEROME, PATRICIA A
JOHNSON, R
KARIS, STELLA P
KETCHUM, E
KIRKHAM, GEORGE F
KROSS, KENNETH B
LAWRENCE, HELEN
LOCCI, FRANCES J
LOPEZ, VINCENT
LUCAS, DORIS
LUNDSTROM, GAIL A
MCCARTHY, DONALD
MCCAULEY, JANET
MCCRAY, PATRICIA H
MCGRAW, EDWARD V
MEAGHER, MARJORIE E
MILLER, JOSEPH F
MITTNIGHT, ROBERT B
MOTLER, FRANKLINETTE A
MUTCH, THORNTON F
MYERS, DIANE R
OKESSON, PRISCILLA L
PALMER, JIM
PARENT, HELEN E
PAUL, AVERILL B
PUENTES, CARLOS M
RITCHIE, CHARLES
ROACH, GWENDOLYN F
ROWE, WAYNE A
RYAN, LINDA
SANFORD, RITA M
SEIBEL, HARRIET J
SHANNON, PHILLIP D
SHATRAW, MICHAEL J
SHIPPEY, JEAN
SMITH, KATHLEEN S
SOULE, MARY B

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2010 (Cont'd)

460 STENHOUSE, MARION M
TEAL, ROBERT E
THORPE, LYDIA K
VAN RENSSELAER HEIGHTS
VANALSTYNE, JOAN M
VOLLOR, JANE W
WAGNER, JANET
WILKIE, GANETH M
WILLIAMS, ROSEMARY M
WILLIAMS, RUTH
WOLTJEN, ELEANOR F
WRIGHTON, NELSON G

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2005

4	RODDY, STEPHEN P
5	BILLETTS, KEVIN W
	EWENS, MELISSA A
7	VANVORST, LENNY B
11	BEEBE, ANN M
15	HENRY V RECTOR INC
	HULL, RAYMOND W
	RECTOR HENRY V INC
17	MOYER, ARTHUR C
20	PRO MFG CO
	PRO MFG CO INC
23	ROSE, THOMAS R
25	KOSINSKI, EDWARD S
394	RIVENBURGH, CORNELIUS H
400	HOOSE, DANIEL R
460	ABAIR, M
	AMADON, ESTHER L
	BAHM, HENRY
	BASOLT, PAULINE E
	BATCHER, BETTY J
	BATTISTO, PATRICIA A
	BENT, JOSEPH F
	BERRY, THOMAS E
	BOYLE, JOYCE A
	BREEDLOVE, EDWARD A
	BRENNAN, BARBARA E
	BROWN, ELEANOR J
	BUROMETTO, VINCENT B
	CAFFREY, MARGARET R
	CAPOGNA, ROBERTA J
	CIERI, DORIS
	COLAVITO, NICHOLAS J
	COLGAN, FRANK
	CONLON, DOROTHY
	CUNNINGHAM, BETTY J
	DALTON, ALICE M
	DANIELS, RONALD E
	DELANYE, MARION
	DOMINSKI, LILLIAN M
	DUFFY, ROBERT E
	EAGLE, JAMES L
	FIATO, JESSICA M
	FISHER, EDNA V
	FIX, BLANCHE J
	FORTE, LORETTA Y
	FULLER, JOSEPHINE
	GANLEY, ALICE A
	GARNIER, RUTH I
	GATTO, MARGARET E
	GRAY, LOIS M

FORBES AVE 2005 (Cont'd)

460 GRIFFITH, MARILYN E
GUILIANELLI, JOYCE M
HILL, DENCIE T
HOFFMAN, N
HORAN, LINDA M
HORTON, JOHN
HUHN, FREDA C
KARIS, STELLA P
KENNA, HELEN C
KENNEDY, MARYLOU
LAWRENCE, H
LEHRER, VINZENZ F
LEONARD, VIVIAN A
LOCCI, FRANCES J
LOPEZ, JOHN V
LUCAS, DORIS
LUNDSTROM, GAIL A
MARSHALL, ANNE
MCLEAN, PAUL B
MEAGHER, MARJORIE
MICHAELIDES, KATHERINE
MILLER, BEATRICE
MONTGOMERY, RUSSELL
MOORE, FRANK
MOTLER, FRANKLINETTE A
MUIR, CLIFFORD
MUTCH, THORNTON F
NASTKE, EVELYN F
PARENT, HELEN E
PAUL, AVERILL P
PLUNKETT, I M
POWELL, WARREN W
PUENTES, CARLOS M
PULS, DENIS J
REEHL, AVIS L
RENSSELAER DISCOUNT CMRCL RLTY
RENSSELAER DISCOUNT COMMERCIAL REALT
ROACH, GWENDOLYN M
ROBERTS, STACEY
ROSAMINO, MERRILL G
SANFORD, RITA M
SCALIA, KENDRA
SEIBEL, H J
SHIPPEY, JEAN
SHOUP, MARION L
SMITH, CAROL
SMITH, MICHAEL J
SOULE, MARY B
SWART, MILLARD C
TEAL, EVA L

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2005 (Cont'd)

460 THOMAS, VIOLA T
THORPE, LYDIA
VAN RENSSELAER HEIGHTS
VINCENT, MADELINE E
WAGNER, JANET
WAGNER, JOYCE A
WANMER, C T
WOLTJEN, ELEANOR F

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2000

1	DEFELICE AUTO
4	RENSSELAER AUTO PARTS
	RODDY, STEPHEN
5	MERRITT, M
9	BEEBE, ANN
11	VANVORST, TONIA
15	HULL, RAYMOND W
	RECTOR HENRY V INCORPORATED BUILDERS SINCE 1920
17	MOYER, S
23	BLOOMER, M
25	KOSINSKI, EDWARD S
100	TOBIA, GINO
394	RIVENBURGH, CORNELI H
400	OCCUPANT UNKNOWN,
460	AMADON, E
	BAHM, F H
	BEMBRY, GLORIA
	BOWERS, L J
	BOYLE, JOYCE
	BRADWELL, M
	BREEDLOVE, EDWARD
	BRENNAN, BARBARA
	BROWNELL, B J
	BUONO, CARMINA M
	CAFFREY, M R
	CAPOGNA, ROBERTA
	CHESBRO, B
	COLGAN, FRANK
	COLLINS, GEORGE V
	CURRY, DAVID
	DALTON, ALICE M
	DAVIS, E A
	EAGLE, JAMES L
	FIACCO, MARY A
	FIATO, ROY
	FISHER, E
	FIX, B J
	FOUNTAIN, L
	FREELE, M J
	GANLEY, A
	GATTO, M E
	GILL, T F
	GRAB, ESTELLE M
	GREEN, M A
	GRIFFITH, MARILYN E
	GUILIANELLI, J M
	HAGGERTY, KATHLYN G
	HILTON, H
	HOCKLER, J
	HOFFMAN, L M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 2000 (Cont'd)

460 HORAN, M
HUHN, FREDA C
HUNT, ARBIE
JACKSON, L
JOHNSON, HANSELL H
JONES, F C
KENESTON, JESSIE E
KENNA, H C
LAMOUNTAIN, R
LANNON, D H
LEHRER, VINZENZ
LOCCI, F
LONG, E H
LOPEZ, J V
MACINTYRE, EVA M
MANNING, M E
MARSHALL, ANNE
MAYBEE, WILLIAM J
MCDADE, I
MCDERMOTT, CHARLES G
MCKAY, C
MILLER, B
MILLER, R
MOORE, FRANK
PARENT, HELEN
PAUL, AVERILL P
POWELL, WARREN
PULS, DENIS J
REED, LILLIAN J
REEHL, AVIS
ROACH, G M
SANFORD, R M
SCHMITT, JOHN H
SCHROEDER, EDWARD
SHOOK, EDWIN A
SMITH, MICHAEL J
SOULE, MARY B
STICKLES, TERESA A
STILES, N E
SWART, MILLARD C
TEAL, EVA L
THOMAS, V
THOMPSON, ETHEL K
VAN RENSSELAER HEIGHTS
VINCENT, M
WAGNER, JOYCE A
WANMER, C T
WOLTJEN, ELEANOR

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 1995

5	K & K AUTOMOTIVE
	KET PRODUCTS INC
15	HULL RAY CORPORATE RELATIONS COUNSEL
	HVR EXCAVATING
	RECTOR HENRY V INC, BLDG CONTR
460	VAN RENSSELAER HEIGHT
	VAN RENSSELAER HEIGHTS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FORBES AVE 1992

7	WARD, T
9	BROZOWSKI, ALLEN
11	SINKEVICH, MARK
15	HULL, RAYMOND W, JR
	HVR EXCAVATING
	RECTOR HENRY V INC, BLDG CONTR
17	MOYER, S
460	AMADON, E
	BAHM, F HENRY
	BASOLT, P E
	BESKO, A
	BEVILACQUA, R M
	BLAIS, C
	BOWERS, L J
	BRADWELL, H A
	BRADWELL, M
	BRENNAN, BARBARA
	BUONO, STEPHEN
	BURWELL, E
	CAPPALLO, C H
	CASEY, MARY
	CHESBRO, CLINTON
	CHURCH, A J
	COLGAN, FRANK
	COUSER, M
	CUNEO, JOSEPH G
	CUNNINGHAM, J W, JR
	DAVIS, E A
	DUFFY, R K
	DUNCAN, EDWARD J
	ERICKSON, C M
	FAHRENKOPF, NICHOLAS
	FEATHERSTONE, H G
	FEIFAR, O A
	FISHER, E
	FIX, B J
	FRANKLIN, C
	GAHN, JOSEPH M
	GANLEY, A
	GILL, T F
	HAGGERTY, JOHN J
	HARE, B
	HERITAGE, JEAN G
	HERRMANN, K M
	HILL, A J, SR
	HILLER, M E
	HILTON, H
	HOTALING, ISABLE
	HUGHES, A J
	HUGHES, AGNES

FORBES AVE 1992 (Cont'd)

460 HUNT, ARBIE
JACKSON, L
JONES, F C
KENESTON, WALTER J, SR
KENNA, H C
LA MOUNTAIN, R
LA PIERRE, R
LACIVITA, R
LAFAYETTE, G B
LONG, E H
MADAIO, PATRICK
MALLEY, THOMAS
MANN, OLIVE M
MARSHALL, ANNE
MC KAY, LESTER C
MILLER, BEATRICE
MILLER, BLANCHE I
MILLER, R
MITCHELL, JOHN H
MOON, F
MOORE, FRANK
MORRIS, KENNETH
MORRIS, MARY D
O'BRIEN, EUGENE F
OSBORN, E
PETERS, E J
PRICE, J
RANFORD, E
REED, LILLIAN J
REEHL, A
RICKERT, A M
ROACH, CARL F
ROBINSON, H E
SCHMITT, JOHN H
SCOTT, D M
SHATTUCK, A
SHOOK, EDWIN A
SMALLWOOD, HELEN
SNYDER, FRED
SOURMAIL, B
SPENCE, ELIZABETH
STEMPSEY, E M
STOCK, ANNA E
THOMPSON, E K
VAN RENSSELAER HEIGHTS
WAGAR, A & M
WANMER, C T
WELCH, LLOYD
WINTER, WILLIAM F
WOODWARD, PERCY

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FORBES AVE 1988

FLEETWOOD AV–Contd
112 Evans Wm J ◎ 482-7290
113 Spuck Paul W ◎ 458-8668
115 Pittz Eug A ◎ 438-4072
116 Cohen Forrest ◎ 438-0692
118 Politi John T ◎ 489-5158
119 Mirabile Charles T ◎ 489-0070
120 Katchmar Wm ◎ 489-1843
123 Liuzzi Lena D Mrs ◎ 482-9363
124★Troeger David 489-3485
125 Gurney Mary E Mrs ◎ 438-1136
126 Iarossi Robt N ◎ 482-5445
127 Weir William J ◎ 482-2315
128 Iarossi Patk F ◎ 438-0161
130 Schnurr Sophie M Mrs ◎ 438-1433
131 Pritchard Jacob W ◎ 438-5555
132 La Falce Eliz A 438-8658
133 Vacant
134 Richardson John F ◎ 438-7023
136 Olimpo Edilberto E ◎ 489-7715
138 No Return
WHITEHALL RD INTERSECTS

81

FLORIDA AV (NORTH GREENBUSH)–FROM 15 IOWA AV EAST TO A DEAD END

ZIP CODE 12144
7 Underwood Agnes A ◎ 286-3472
11 Sanderson Howard B ◎ 286-3437
12 Twiss Chas B ◎ 286-6843

82

FORBES AV (RENSSELAER)–FROM TRACY TO WASHINGTON AV

ZIP CODE 12144
4 Hilts Frank S ◎
5 Vacant
Lamoree Gerald
7 Ward Lawrence 465-8381
9 Roberts Joy
11★White Maria 436-5758
13 Vacant
CENTRAL AV BEGINS
15 Hull Raymond W Jr ◎ 449-1707
17 Moyer Sylvia E Mrs ◎ 465-9514
23 Swint Freda M Mrs ◎ 463-0263
25 Kosinski Edw S ◎
BROADWAY ENDS
BELLVIEW TER ENDS
2D ST ENDS
394 Rivenburgh Cornelius H ◎ 463-4693
398 Vacant
Vacant
4TH ST ENDS
400 Vacant
460 Van Rensselaer Heights 465-4947
100 Hughes A J 436-0006
101 Coons Watson W 465-1163
102 Streeter Frank M 434-1575
103 Miller E M
104 Hughes Agnes 465-1268
105 Lynch M M 463-3632
106 Miller Beatrice 463-7905
107 Scott Dorothy M 463-8360
200 Bowks B
201 Goca Clarence E 463-7770
202 Leonard T M Mrs 465-2617
203 Ranford Eliz 465-8984
204 Cuneo Joseph G 463-0680
205 Reehl A 449-8720
206 Christman M 463-0383
207 Heron Mary Mrs 465-1673
208 Ganley A Mrs 472-1096
209★Bradwell M 462-0778
210 Reinhart Florence 465-5964
211★O'Brien Eug F 465-3101
212 Fietz J 434-2821
213 Lehrer Vincent F
214 Hiller M E 449-3012
215 Slauson M
216 Hill Sophie 463-8226
300 Mahan Helen
301 Barrington D L Mrs 463-5072
302 No Return
303 Fisher E 434-2039
304 Heim Margt 449-1292
305 Grattan Odile M 462-2453
306 Vandewall M 462-5620
307 Defreest Clarence 465-7993
308 Couser M 462-5769
309 Ratcliffe Albert J 462-1442
310 Peters R 436-1384
311 Moore A 449-1234
312 Rickert A M 436-0505
313 French Lydia 436-4728
314 Parady D 434-4849
315 Jessen F
316 Thompson E K 465-3542
401★Prips E 462-2764
402 Kircher Philip 465-2001
403★Long E H 436-0015
404 Champagne Wm A 434-8036
405 Feifar O A 436-7880
406 Farhrenkopf Rita 463-7729
407 Morin Geo W 463-8256
408 Reed Lillian Jmrs 465-8751
409 No Return
410 Lamountain R 436-9280
411 Featherstone H G 463-6474
412 Vacant
413 No Return
414★La Pierre R 449-2491
415 Hulsopple Helen 436-0994
416 No Return
500 Sourmail B 449-1119
501 Mc Donald A 463-1959
502★Miller R 462-2949
503 Buono Stephen 436-1220
504 Snyder Fred 465-6740
505 Bradwell H A 436-8302
506 Wagar A M 449-8087
507 Ricketts E A 463-7326
508★Kosakoski M B 462-2711
509 Vacant
510 Mann Chas E 472-9704
511 Duffy R K 465-5103
512 Mull Florence M 449-7353
513 Chesbro Clinton 434-3519
514 Pardee L 472-9702
515★Morocco Alice W 449-7547
516 Mitchell A 462-4139
601★Price Courtney E 465-3912
602 Van Acker M 462-9588
603 Blais C 436-9578
604 Moxon D 465-3661
605 Welch Lloyd 434-3181
606 Davis E A 465-8772
607 Bridgeford J
608 Downes D 465-7286
609★Shook Edwin A 462-6479
610 Stempsey E M 463-7925
611 Jones D M 465-2709
612 Stiles N E 463-5053
613 Holland L
614 Teal A E 449-3024
615 Jones Merrimon L 434-3403
616 Duncan Edw J 463-4125
701 Noel Mary 449-3426
702 Mc Kay Lester C 463-7337
703 Shattuck Agnes 463-0362
704 Mooney J M 463-5483
705 Osborne E 463-6472
706 Scaccia F 449-7832
707★Kauffman R E 463-7350
708 Van Acker Donald 463-6451
709 Franklin C 462-0763
710 Vacant
711 Kramer Anna
712 Reilly L 436-1252
713 Brownell B J 436-9856
714 Morris Mary D 436-0528
715 Amadon E 436-7146
716★Pence Eliz 462-1292
Rensselaer Schools (Side Entrance)
PATTEN AV ENDS

82

FORBES RD (RENSSELAER)–FROM OPP 17 FORBES AV NORTHEASTERLY TO CITY LINE

ZIP CODE 12144
1 De Felice Auto Sales 449-8080
5 Ket Products Inc plastic mfg 449-7090
Jelliff C O Corp (Fabricators Steel) 449-7091

12

FORDHAM CT –FROM 11 CARLISLE CT WESTERLY TO BETHLEHEM LINE

ZIP CODE 12209
2 Fuda Geo E ◎ 482-5358
3 Kidd Thomas ◎ 438-5388
5 Fonda Marty J Mrs ◎ 489-1997
6 Abbott Michl A ◎ 438-5986
7★Lainhart Richard M 482-6773
8 Gellert Blanche Mrs ◎ 482-0661
9 Allen Frank M ◎ 489-3657
10 Alfano Vincenzo ◎ 489-5715
11★Chesterfield Richard B 482-7069
12 Lanahan Nora M Mrs ◎ 489-2278
13 Morbidelli Josephine Mrs ◎ 482-8360
14 Herskowitz C Lester ◎ 482-9185
15★Spath Frank
16 Gustin Donald J ◎ 489-3498
17 Motta Al ◎ 489-2183
18 Wisenburn John O ◎ 489-4301
19 Genovese Diane M ◎
20 Aron Ruth G ◎ 489-8119
21 Henry Harold J ◎ 482-1771
22 D'Ambrosio Frank M ◎ 489-4818
23 Barnes Raymond C ◎ 489-8228
24 Monville Maybel D Mrs ◎ 438-1263
25 Cronin Steve ◎ 482-1752
MARLBOROUGH CT INTERSECTS
30★Greendale Daniel 459-1694
31 Cronin Joseph E ◎ 489-5125
32 Romano Eug A ◎ 482-5489
33 Ragone Vincent J ◎ 438-3219
34★Dixon Kevin M ◎ 482-3789
35 Keenan Thos F ◎ 489-4267
36 Davis Geo I ◎ 482-5028
37 Walsh Esther R Mrs ◎ 482-1542
38★Christie Paul
39 Davis Marie R Mrs ◎ 482-2912
40 Jones Edward R ◎ 482-5436
41 Clenahan Michl J ◎ 482-0883
42★Macie Pearl J ◎ 482-7025
43 Lynch Donald P ◎ 459-4058
44 Warren John F ◎ 438-6564
46 Dawson Wm E ◎ 482-3458
47 Calordino Ermino ◎ 438-0517
48 Spiak Alexander A ◎ 458-8072
49★Sprinz Catherine ◎
50★Bucher Robert J ◎ 459-9045
52 Steinke Ruth K Mrs ◎ 482-7588
53 Luchins Abr S ◎ 438-4043
54 Hurley Susan E ◎ 482-5266
STANFORD ST INTERSECTS

69

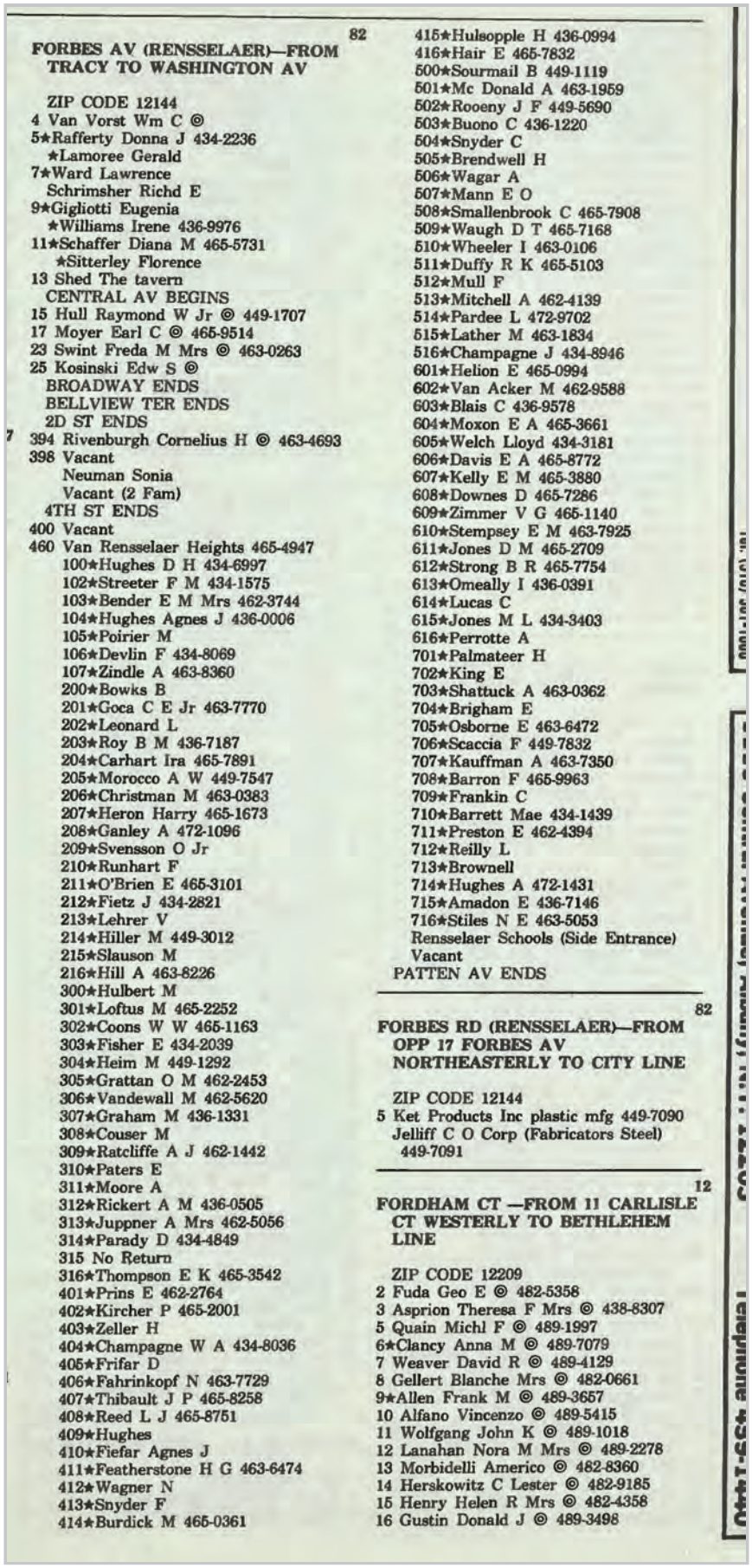
FOREST AV –FROM 318 NEW SCOTLAND AV SOUTHERLY

ZIP CODE 12208
1 Andriano Rocco J ◎ 489-7998
★Malak Mark P 482-5909
2 Perlmutter Dora Mrs 438-1044
3 Barrett Timothy P
★Caputo Anita S
4 Fogelman Martin ◎ 489-6391
5 Lewanda Donald ◎ 489-6168
Vacant
6 Dunn Arth J ◎ 489-1576
7 Seeber Philip ◎ 438-1656
8 Burdick Edna M Mrs ◎ 438-4166
9 Scovello Michl V ◎ 438-1677
10★Feisthamel Harold J ◎ 459-7278
11 Mason Mary 489-3045

4, Washington Ave. Ext. (12205) tel. 456-4323

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FORBES AVE 1983



82

FORBES AV (RENSSELAER)—FROM TRACY TO WASHINGTON AV

ZIP CODE 12144
4 Van Vorst Wm C ◎
5★Rafferty Donna J 434-2236
★Lamoree Gerald
7★Ward Lawrence
Schrimsher Richd E
9★Gigliotti Eugenia
★Williams Irene 436-9976
11★Schaffer Diana M 465-5731
★Sitterley Florence
13 Shed The tavern
CENTRAL AV BEGINS
15 Hull Raymond W Jr ◎ 449-1707
17 Moyer Earl C ◎ 465-9514
23 Swint Freda M Mrs ◎ 463-0263
25 Kosinski Edw S ◎
BROADWAY ENDS
BELLVIEW TER ENDS
2D ST ENDS
7 394 Rivenburgh Cornelius H ◎ 463-4693
398 Vacant
Neuman Sonia
Vacant (2 Fam)
4TH ST ENDS
400 Vacant
460 Van Rensselaer Heights 465-4947
100★Hughes D H 434-6997
102★Streeter F M 434-1575
103★Bender E M Mrs 462-3744
104★Hughes Agnes J 436-0006
105★Poirier M
106★Devlin F 434-8069
107★Zindle A 463-8360
200★Bowks B
201★Goca C E Jr 463-7770
202★Leonard L
203★Roy B M 436-7187
204★Carhart Ira 465-7891
205★Morocco A W 449-7547
206★Christman M 463-0383
207★Heron Harry 465-1673
208★Ganley A 472-1096
209★Svensson O Jr
210★Runhart F
211★O'Brien E 465-3101
212★Fietz J 434-2821
213★Lehrer V
214★Hiller M 449-3012
215★Slauson M
216★Hill A 463-8226
300★Hulbert M
301★Loftus M 465-2252
302★Coons W W 465-1163
303★Fisher E 434-2039
304★Heim M 449-1292
305★Grattan O M 462-2453
306★Vandewall M 462-5620
307★Graham M 436-1331
308★Couser M
309★Ratcliffe A J 462-1442
310★Paters E
311★Moore A
312★Rickert A M 436-0505
313★Juppner A Mrs 462-5056
314★Parady D 434-4849
315 No Return
316★Thompson E K 465-3542
401★Prins E 462-2764
402★Kircher P 465-2001
403★Zeller H
404★Champagne W A 434-8036
405★Frifar D
406★Fahrinkopf N 463-7729
407★Thibault J P 465-8258
408★Reed L J 465-8751
409★Hughes
410★Fiefar Agnes J
411★Featherstone H G 463-6474
412★Wagner N
413★Snyder F
414★Burdick M 465-0361
415★Hulsopple H 436-0994
416★Hair E 465-7832
500★Sourmail B 449-1119
501★Mc Donald A 463-1959
502★Rooeny J F 449-5690
503★Buono C 436-1220
504★Snyder C
505★Brendwell H
506★Wagar A
507★Mann E O
508★Smallenbrook C 465-7908
509★Waugh D T 465-7168
510★Wheeler I 463-0106
511★Duffy R K 465-5103
512★Mull F
513★Mitchell A 462-4139
514★Pardee L 472-9702
515★Lather M 463-1834
516★Champagne J 434-8946
601★Helion E 465-0994
602★Van Acker M 462-9588
603★Blais C 436-9578
604★Moxon E A 465-3661
605★Welch Lloyd 434-3181
606★Davis E A 465-8772
607★Kelly E M 465-3880
608★Downes D 465-7286
609★Zimmer V G 465-1140
610★Stempsey E M 463-7925
611★Jones D M 465-2709
612★Strong B R 465-7754
613★Omeally I 436-0391
614★Lucas C
615★Jones M L 434-3403
616★Perrotte A
701★Palmateer H
702★King E
703★Shattuck A 463-0362
704★Brigham E
705★Osborne E 463-6472
706★Scaccia F 449-7832
707★Kauffman A 463-7350
708★Barron F 465-9963
709★Frankin C
710★Barrett Mae 434-1439
711★Preston E 462-4394
712★Reilly L
713★Brownell
714★Hughes A 472-1431
715★Amadon E 436-7146
716★Stiles N E 463-5053
Rensselaer Schools (Side Entrance)
Vacant
PATTEN AV ENDS

82

FORBES RD (RENSSELAER)—FROM OPP 17 FORBES AV NORTHEASTERLY TO CITY LINE

ZIP CODE 12144
5 Ket Products Inc plastic mfg 449-7090
Jelliff C O Corp (Fabricators Steel) 449-7091

12

FORDHAM CT —FROM 11 CARLISLE CT WESTERLY TO BETHLEHEM LINE

ZIP CODE 12209
2 Fuda Geo E ◎ 482-5358
3 Asprion Theresa F Mrs ◎ 438-8307
5 Quain Michl F ◎ 489-1997
6★Clancy Anna M ◎ 489-7079
7 Weaver David R ◎ 489-4129
8 Gellert Blanche Mrs ◎ 482-0661
9★Allen Frank M ◎ 489-3657
10 Alfano Vincenzo ◎ 489-5415
11 Wolfgang John K ◎ 489-1018
12 Lanahan Nora M Mrs ◎ 489-2278
13 Morbidelli Americo ◎ 482-8360
14 Herskowitz C Lester ◎ 482-9185
15 Henry Helen R Mrs ◎ 482-4358
16 Gustin Donald J ◎ 489-3498

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FORBES AVE 1978

7 Underwood Agnes © 286-3472
11 Sanderson Howard B © 286-3437
12 Twiss Chas B © 286-6843

82

FORBES AV (RENSSELAER)—FROM TRACY TO WASHINGTON AV

ZIP CODE 12144
4★Van Vorst Wm C ©
5 O'Dell Paul M
★Binsse Harry ©
7★Alger Harold C
9 Bailey Carl H 465-6726
★Brigham Robt H 462-6317
★Schrimsher Richd E
11★Quickenton Edw
★Falzano Pamela
13 Harbor City Saloon 449-9945
CENTRAL AV BEGINS
15★Hull Raymond W © 449-1707
Rector Henry V Inc (Stge)
17★Moyer Earl C ©
23 Swint Freda M Mrs © 463-0263
★Swint Shirley F
25★Kosinski Edw S
BROADWAY ENDS
BELLVIEW TER ENDS
2D ST ENDS
394 Rivenburgh Cornelius H © 463-4693
398★Nettleton Gail 463-0032
Neuman Kath M Mrs ©
★Butler Kate
4TH ST ENDS
400 Adler Stanley E ©
Rensselaer Schools (Side Entrance)
PATTEN AV ENDS

82

FORBES RD (RENSSELAER)—FROM OPP 17 FORBES AV NORTHEASTERLY TO CITY LINE

ZIP CODE 12144
Ket Products Inc (plastic mfg) 449-7090

12

FORDHAM CT —FROM 11 CARLISLE

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FORBES AVE 1973

11 Sanderson Howard B ◎ 286-3437
12 Countryman Robt J ◎ 286-3523

82

FORBES AV (RENSSELAER)—FROM TRACY TO WASHINGTON AV

ZIP CODE 12144
4 Coons Edw B ◎ 434-2370
5 Miller Paul R ◎ 465-1103
Wheeler Nancy C Mrs 463-0433
7 Harwood Geo R 462-9742
Schultz Judson J 465-3730
9 Kavana Lawrence D 434-0926
11★Larose Richd L
Ganance Lottie Mrs 434-8730
13 Vacant
CENTRAL AV BEGINS
15 Whish Hazel M Mrs ◎ 465-7236
Rector Henry V Inc (Stge)
17 Johnson David E ◎ 434-2722
23 Swint Freda M Mrs ◎ 463-0263
25 Blondell Lawrence F ◎
BROADWAY ENDS
BELLVIEW TER ENDS
2D ST ENDS
City Playground
C D T A Line Terminal (Rens East St Line)
394 Rivenburgh Cornelius H ◎ 463-4693
398 Spina Henry J 463-8638
Neuman Kath M Mrs ◎
★Blowers Leroy H
4TH ST ENDS
400 Mc Intire Jack M ◎ 436-0956
Rensselaer Schools (Side Entrance)
PATTEN AV ENDS

82

FORBES RD (RENSSELAER)—FROM OPP 17 FORBES AV NORTHEASTERLY TO CITY LINE

ZIP CODE 12144
Rensselaer City Water Works (hudson river pump hse) 465-3635
Barnet Wm & Son wool combers 465-2424

12

FORDHAM CT —FROM 11 CARLISLE CT WESTERLY TO BETHLEHEM LINE

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FORBES AVE 1968

82

FORBES AV (RENSSELAER)-FROM TRACY
TO WASHINGTON AV

---ZIP CODE 12144
4 COONS MYRTLE MRS • HE4-2370
5 VACANT
VENTER WM J HE6-1595
7 HUTCHINSON ERROL
FORTE RICHD J
9 FORTE EDWARD 463-7375
KAVANA LAWRENCE D HE4-0926
11 8URNS JAMES J 462-1046
GANANCE LOTTIE MRS HE4-8730
13 FORTE'S TAVERN 462-9397
FORTE LOUIS C 462-5277
CHESNUT MARGT C MRS H03-0433
---CENTRAL AV BEGINS
15 WHISH FREDK W • H05-7236
17 HIGGINS J RAY • HE4-2722
23 SWINT WM J • H03-0263
25 8LONDELL LAWRENCE F •
---8ROADWAY ENDS
---2D ST ENDS
394 RIVENBURGH CORNELIUS H •
463-4693
398 SPINA HENRY J • H03-8638
HAZELTON ETHEL I MRS 463-5205
TRUSS MICHL J JR 434-6241
---4TH ST ENDS
400 BACON ROBT J

82

FOR8ES RD (RENSSELAER)-FROM OPP
17 FORBES AV NORTHEASTERLY TO
CITY LINE

RENSSELAER CITY WATER WORKS
H05-3635
8ARNET WM & SON INC MFR WOOLEN
GOODS H05-2424

12

FORDHAM CT -FROM 11 CARLISLE CT

Target Street	Cross Street	Source
✓	-	Polk's City Directory

FORBES AVE 1963

20-C

FORBES AV (Rensselaer)
—From Tracy northeasterly to Washington av, wds 7, 8

4△Coons Clayton W ◎
Manor pk begins
5△Snyder Chas J ◎
△Venter Wm J
7△Cramer Robt O
△Foust Peter J
9△Kavana Lawrence D
Radford Wm
11△Lynch David J jr ◎
△Ganance Lottie Mrs
Central av begins
13△Dave's Tavern
△Chestnut Margt C Mrs
△Lynch David J ◎
15△Whish Fredk W ◎
17△Higgins J Ray ◎
23△Swint W J ◎
25△Hastings John ◎
Broadway ends
2d ends
394 No return
398△Fox John J ◎
Rose Harry C
4th ends
400△Bacon Robt J
Patten av ends
Bellview ter ends

20-C

FORBES RD (Rensselaer)
—From opp 17 Forbes av northeasterly to city line, wd 7

---- Rensselaer City of Water Wks
----△Barnet Wm & Son Inc mfrs reworked wool

Appendix H:
Government Information Requests

Denise Salisbury <denises@alpineenv.com>

Online Form Submittal: Freedom of Information Act (FOIL) Requests

1 message

noreply@civicplus.com <noreply@civicplus.com> Thu, Jan 19, 2023 at 11:05 AM
To: denises@alpineenv.com

Freedom of Information Act (FOIL) Requests

Submission Information

Rensselaer County accepts FOIL requests by email. Please fill out the form on this page. All fields are **required**.

Fees

- There will be a charge for records requested pursuant to the Freedom of Information Act pursuant to NY Public Officers Law §87.
- All photocopied records will be $0.25 per page plus the cost of postage. If maps are requested, the actual cost of reproducing said map will be applied.
- Electronic records will be charged at a rate of $23 per hour of time required to prepare such records to be sent.
- If the electronic records are too voluminous to be sent electronically, there will be a charge of $10 per DVD plus postage.

Payment Required Prior to Release

Rensselaer County requires payment prior to releasing the records. A payment letter will be sent prior to the release of the records. A check or money order needs to be made payable to Rensselaer County Chief Fiscal Officer and mailed or delivered to:
Office of the Rensselaer County Attorney
Attention: Peter Kehoe, Esq., FOIL Officer

1600 7th Avenue
Troy, NY 12180

Record Review Appointments

Records can be reviewed prior to release for no charge upon appointment. Please call 518-270-2897 or email FOILrequests@rensco.com to make an appointment. All applicable fees will be assessed on any copies requested.

Contact Us

Phone: 518-270-2897
Email: FOILrequests@rensco.com

Request	
Name	Denise Salisbury
Email Address	denises@alpineenv.com
Phone	5182504047
Requesting Company / Organization	Alpine Environmental Services, Inc.
Address	438 New Karner Road
City	Albany
State	New York
Zip Code	12205
Request	All records pertaining to violations, citations, complaints or actions related to environmental issues including but not limited to tanks, spills, releases of chemical or petroleum products for the following property/properties: Former Barnet Mill, 20 Forbes Avenue, Rensselaer, New York . Tax Parcel ID 133.-3-7

OFFICE OF THE RENSSELAER COUNTY ATTORNEY
Carl J. Kempf III
Rensselaer County Attorney

Steven F. McLaughlin
County Executive

Peter R. Kehoe
Special Counsel
FOIL Officer
(518) 270-2950
pkehoe@rensco.com

January 25, 2023

Alpine Environmental Services, Inc.
Attn: Denise Salisbury
438 New Karner Road
Albany, New York 12205

Re: FOIL No. 2023-016

Dear Ms. Salisbury:

I am the Freedom of Information Law ("FOIL") Officer for Rensselaer County and I acknowledge receipt of your FOIL request.

Without, at this time, acknowledging the existence of any of the requested records or admitting your right to examine or copy them, please be advised that our office will promptly review your request and will make the requested records available within twenty (20) business days, if such records exist and are releasable in accordance with the law. If we are unable to do so within twenty (20) business days from the date of this acknowledgement, we will provide you with written notice stating the reason and a date when the information will be available.

Please be advised that there is a usual fee of twenty-five cents ($0.25) per standard page copied, as provided for by law. A different charge may apply in unusual circumstances.

If the records you seek do exist and are releasable, we will notify you of the total fee due when the records are assembled plus the cost of postage. Upon receipt of the fee and postage, the information to which you are entitled will be promptly provided to you.

Very Truly Yours,

Peter R. Kehoe

Special Counsel
FOIL Officer

Foil Request

There will be a charge for records requested pursuant to the Freedom of Information Act pursuant to NY Public Officers Law §87.

All photocopied records will be $.25 per page plus the cost of postage. If maps are requested, the actual cost of reproducing said map will be applied.

Electronic records will be charged at a rate of $23.00 per hour of time required to prepare such records to be sent.

If the electronic records are too voluminous to be sent electronically, there will be a charge of $10.00 per DVD plus postage.

Rensselaer County requires payment prior to releasing the records. A payment letter will be sent prior to the release of the records. A check or money order needs to be made payable to Rensselaer County and mailed or delivered to the Office of the Rensselaer County Attorney, 1600 7th Avenue, 4th Floor, Troy, NY 12180.

Records can be reviewed prior to release for no charge upon appointment. Please call (518)270-2950 to make an appointment. All applicable fees will be assessed on any copies requested.

Rensselaer County accepts FOIL requests by email. Please fill out the form below. **All fields are required**.

SEND FORM

Name:*

Denise Salisbury

Requesting Company/Organization:*

Alpine Environmental Services, Inc.

(if not a company or organization, please enter "Individual")

Address:*

438 New Karner Road, Albany, NY 12205

Phone:*

5182504047301

Email Address:*

denises@alpineenv.com

Request:*

All records pertaining to violations, citations, complaints or actions related to environmental issues including but not limited to tanks, spills, releases of chemical or petroleum products for the following property/properties: Former Barnet Mill, 20 Forbes Avenue, Rensselaer, New York . Tax Parcel ID 133.-3-7

(Include as much detail about the record(s) as possible, such as relevant dates, names, descriptions, etc.)

Confirmation your message was sent will appear at the top of this page.

OFFICE OF THE RENSSELAER COUNTY ATTORNEY
Carl J. Kempf III
Rensselaer County Attorney

Steven F. McLaughlin
County Executive

Peter R. Kehoe
Special Counsel
FOIL Officer
(518) 270-2950
pkehoe@rensco.com

June 15, 2021

VIA EMAIL ONLY: denises@alpineenv.com
Alpine Environmental Services, Inc.
Attn: Denise Salisbury
438 New Karner Road
Albany, New York 12205

Re: FOIL No. 2021-135

Dear Ms. Salisbury:

With respect to your above referenced Freedom of Information Law request, please be advised that, after diligent search of records by Rensselaer County, there are no records responsive to your request.

Very Truly Yours,

Special Counsel
FOIL Officer

NANCY E. HARDT
City Clerk

CITY OF RENSSELAER

OFFICE OF

THE CITY CLERK

CITY HALL
62 WASHINGTON STREET
RENSSELAER, NEW YORK 12144

(518) 462-4266
Fax: (518) 462-0890

FREEDOM OF INFORMATION REQUEST

1) TYPE OF RECORD REQUESTED: All records pertaining to violations, citations, complaints or actions related to environmental issues including but not limited to tanks, spills, releases of chemical or petroleum products for the following property/properties: Former Barnet Mill, 20 Forbes Avenue, Rensselaer, New York .Tax Parcel ID 133.-3-7

2) DATE OF RECORD REQUESTED: All dates up to present

3) DEPARTMENT RECORD REQUESTED FROM: _____

4) REASON FOR THE REQUEST: performing a phase 1 ESA

5) NAME OF REQUESTOR (PLEASE PRINT NAME): Denise Salisbury

6) ADDRESS OF REQUESTOR: 438 New Karner Rd, Albany, NY 12205

7) TELEPHONE NUMBER OF REQUESTOR: 518-391-2376

8) DATE OF REQUEST: January 19, 2023

***NANCY E. HARDT, FREEDOM OF INFORMATION OFFICER, HAS FIVE (5) WORKING DAYS TO COMPLY WITH YOUR REQUEST.**

CITY OF RENSSELAER
BUILDING AND ZONING

CITY HALL, 62 WASHINGTON STREET
Building (518) 462-1693

This past January 19 ,2023

Rensselaer City Clerk

re: foil request related to 20 Forbes Ave.

Due to the extensive files related to 20 Forbes Ave., both building and planning departments will need thirty working days ,combined, to research any files on record.

Thank you.

Lou Lourinia Building Inspector

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 0804418

SPILL NAME: HILTON INDUSTRIAL PARK FORBES AVE **DEC LEAD:** WEBLAIN

SPILL DATE: 07/17/2008 **SPILL TIME:** 4:02 pm

CALL RECEIVED DATE: 07/17/2008 **RECEIVED TIME:** 4:02 pm

SPILL LOCATION

PLACE: HILTON INDUSTRIAL PARK FORBES AVE **COUNTY:** Rensselaer

STREET: FORBES AVE **TOWN/CITY:** Rensselaer (c)

HILTON INDUSTRIAL PARK OFF OF FORBES **COMMUNITY:** RENSSELAER

CONTACT: BRUCE MALACHUK **CONTACT PHONE:** (518) 209-9773

CONT. FACTOR: Deliberate **SPILL REPORTED BY:** Local Agency

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

Asbestos piping running throughout the building. Caller says Bruce Malachuk disposes of asbestos not according to code. Caller would like DEC to go to the location to investigate as soon as possible. William Mgloughlin cell 858-1898 or Dan Morre Building and Zoning administrator cell 788-5903

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
asbestos	Hazardous Material		0 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
HILTON INDUSTRIAL PARK (OLD JELLIFF FACILITY)	BLDG. 6 RM. 4 RENNSELAER NY	BRUCE MALACHUK (518) 209-9773

OTHER SPILLS / CLEANUPS / PBS AT SITE

SPILL NUMBER / PROGRAM NUMBER	CLOSE DATE	PROGRAM TYPE
4-050245		PBS Facility
9901711	5/14/1999 12:00:00A	Spill Number
9805964	12/1/1999 12:00:00A	Spill Number

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

referred to Solid Waste. closed (PBS 4-443514; 8202013, 8602120, 8701013, 8806485, 9516418, 9901711, 0804418, 1300591)

PIN **T & A** **COST CENTER**

CLASS: B5 **CLOSE DATE:** 07/18/2008 **MEETS STANDARDS:** True

Created On: 07/17/2008

Date Printed: 5/17/2021 Last Updated: 07/11/2014

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1300591

SPILL NAME: ARTHUR HILTON PROPERTY FORBES AVE **DEC LEAD:** JDUTBERG

SPILL DATE: 04/15/2013 **SPILL TIME:** 12:00 pm

CALL RECEIVED DATE: 04/18/2013 **RECEIVED TIME:** 9:45 am

SPILL LOCATION

PLACE: ARTHUR HILTON PROPERTY FORBES AVE **COUNTY:** Rensselaer

STREET: 20 FORBES AVENUE **TOWN/CITY:** Rensselaer (c)

COMMUNITY: RENSSELAER

CONTACT: DAN MOORE **CONTACT PHONE:** (518) 788-5903

CONT. FACTOR: Housekeeping **SPILL REPORTED BY:** Local Agency

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

The City obtained court ordered access to inspect this site for code violations. During their inspection, several leaking 55 gallon drums were observed. The City would like the DEC to provide guidance on how to handle these drums.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
unknown material	Other			Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
arthur hilton	NY	

OTHER SPILLS / CLEANUPS / PBS AT SITE

SPILL NUMBER / PROGRAM NUMBER	CLOSE DATE	PROGRAM TYPE

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

4/26/13 JDU on site with City of Rennselaer Code Enforement Personnel. Large area at north end of building that appears to a dump site where debris has been buried. Large amounts of other debris and used tires inside the building. Pictures and info forwarded to solid waste. Several drums inside the building. Facility rep. claimed that they had hired a company out of syracu to charactorize lable and dispose of drums. The majority of the drums had been labled a this point. Underground tank located on the south end of the buildings. Stuck the tank and found aproximately 2' of product in the tank. Product resembled and appears to be heating oil.

Large vaults under builing appear to be designed for water flow under the building. It is believed that the vaults discharge to t hudson. Uncertain if floor drains throughout the building are tied into the vaults or where they discharge to. Structure of the building is coated with what might be an asbestos material. Unidentified material is flaking off the building and piling up on the floors throughout.

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1300591

SPILL NAME: ARTHUR HILTON PROPERTY FORBES AVE **DEC LEAD:** JDUTBERG

E-mail recieved from Will O'leary who is City of Rens. Code enforcement. What appears to be another underground and a wa oil tank and burner were found on site. Pictures were attached and in edocs. Searched PBS records and the facility has neve been registered.

5/15/13 E-mail sent to Will O'leary to try to get site access so that the oil tanks could be observed to determine if PBS registration was needed. Solid waste was also going to accompany us to the site. Site access was not granted. JDU

6/14/16 No further complaints from Code enforcement or other agencies. No evidence of any petroleum impacts to the environment or any other spills. Closed. JDU

PIN **T & A** **COST CENTER**

CLASS: B2 **CLOSE DATE:** 06/14/2016 **MEETS STANDARDS:** False

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 8202013

SPILL NAME: KET PRODUCTS FORBES RD HUDSON RI **DEC LEAD:** KING

SPILL DATE: 03/02/1983 **SPILL TIME:** 12:00 pm

CALL RECEIVED DATE: 03/02/1983 **RECEIVED TIME:** 12:10 pm

SPILL LOCATION

PLACE: KET PRODUCTS FORBES RD HUDSON RIVI **COUNTY:** Rensselaer

STREET: FORBES RD HUDSON RIVER **TOWN/CITY:** Rensselaer (c)

STORM SEWER TO HUDSON RIVER **COMMUNITY:** RENSSELAER

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Equipment Failure **SPILL REPORTED BY:** Federal Government

FACILITY TYPE: Commercial/Industrial **WATERBODY:** HUDSON RIVER $

CALLER REMARKS:

KET SLOPPY HOUSEKEEPING & LEAKING EQ, OIL TO STORM SEWER & RIVER. see Edocs

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
waste oil/used oil	Petroleum	100 G	90 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
KET PRODUCTS (LATER JELLIFF?) (LATER HILTON IND PI	54 FORBES RD RENSSELAER NY 12144	(518) 497-90

OTHER SPILLS / CLEANUPS / PBS AT SITE

SPILL NUMBER / PROGRAM NUMBER	CLOSE DATE	PROGRAM TYPE

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

See Edocs & 8602120 (& Jelliff's - PBS 4-443514; 8202013, 8701013, 8806485, 9516418, 9901711, 0804418, 1300591)

PIN	T & A	COST CENTER
2835	0	

CLASS: B1 **CLOSE DATE:** 04/03/1995 **MEETS STANDARDS:** True

Created On: 02/16/1987

Date Printed: 5/17/2021 Last Updated: 06/03/2016

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 8602120

SPILL NAME: KET PRODUCTS FORBES AVE HUDSON R **DEC LEAD:** MCDONALD

SPILL DATE: 06/27/1986 **SPILL TIME:** 9:00 pm

CALL RECEIVED DATE: 06/28/1986 **RECEIVED TIME:** 9:00 am

SPILL LOCATION

PLACE: KET PRODUCTS FORBES AVE HUDSON RI\ **COUNTY:** Rensselaer

STREET: 5 FORBES RD HUDSON RIVER **TOWN/CITY:** Rensselaer (c)

54 FORBES RD. **COMMUNITY:** RENSSELAER

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Housekeeping **SPILL REPORTED BY:** DEC

FACILITY TYPE: Commercial/Industrial **WATERBODY:** HUDSON RIVER $

CALLER REMARKS:
OTHER MATL. SPILLED-HYDRAULIC OIL

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
waste oil/used oil	Petroleum	1,000 G	1,000 G	SW,
quenching oil	Petroleum	0 L	0 L	SW,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
KET PRODUCTS (LATER JELLIFF?) (LATER HILTON IND PI	54 FORBES RD RENSSELAER NY	(518) 449-7090

OTHER SPILLS / CLEANUPS / PBS AT SITE

SPILL NUMBER / PROGRAM NUMBER	CLOSE DATE	PROGRAM TYPE

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

See file for sketch & photos (edoc). (PBS 4-443514; 8202013, 8602120, 8701013, 8806485, 9516418, 9901711, 0804418, 1300591)

PIN	T & A	COST CENTER
96370	2413	90963703--86

CLASS: A1 **CLOSE DATE:** 07/30/1986 **MEETS STANDARDS:** True

Created On: 07/16/1986

Date Printed: 5/17/2021 Last Updated: 07/11/2014

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 8701013

SPILL NAME: JELLIFF VANDALIZED DRUMS FORBES RD **DEC LEAD:** MCDONALD

SPILL DATE: 05/04/1987 **SPILL TIME:** 12:00 pm

CALL RECEIVED DATE: 05/06/1987 **RECEIVED TIME:** 10:34 am

SPILL LOCATION

PLACE: JELLIFF VANDALIZED DRUMS FORBES RD S **COUNTY:** Rensselaer

STREET: FORBES RD **TOWN/CITY:** Rensselaer (c)

FORBES RD. **COMMUNITY:** RENSSELAER

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Vandalism **SPILL REPORTED BY:** Responsible Party

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

VANDALISM TO BARRELS - TRAPPED IN SEWER OWNER HIRED DOMERMUTH TO CLEAN UP

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
waste oil/used oil	Petroleum	100 G	0 G	Sewer,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
DRUMS @ JELLIFF (LATER HILTON IND PK)	***UPDATE*** ZZ	

OTHER SPILLS / CLEANUPS / PBS AT SITE

SPILL NUMBER / PROGRAM NUMBER	CLOSE DATE	PROGRAM TYPE
9516418	3/21/1996 12:00:00A	Spill Number

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

(PBS 4-443514; 8202013, 8602120, 8701013, 8806485, 9516418, 9901711, 0804418, 1300591)

PIN **T & A** **COST CENTER**

CLASS: B3 **CLOSE DATE:** 05/06/1987 **MEETS STANDARDS:** True

Created On: 05/08/1987

Date Printed: 5/17/2021 Last Updated: 07/11/2014

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 8806485

SPILL NAME: JELLIFF CORP HUDSON RIVER FORBES RI **DEC LEAD:** ANGEISEN

SPILL DATE: 11/02/1988 **SPILL TIME:** 11:00 am

CALL RECEIVED DATE: 11/02/1988 **RECEIVED TIME:** 11:05 am

SPILL LOCATION

PLACE: JELLIFF CORP HUDSON RIVER FORBES RD **COUNTY:** Rensselaer

STREET: 5 FORBES RD HUDSON RIVER **TOWN/CITY:** Rensselaer (c)

JELLIFF CORP 5 FORBES RD. **COMMUNITY:** RENSSELAER

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Unknown **SPILL REPORTED BY:** DEC

FACILITY TYPE: Commercial/Industrial **WATERBODY:** HUDSON RIVER $

CALLER REMARKS:

HYDRAULIC OIL ENTERING HUDSON R. MCDONALD SPOT CHECKED, FOUND OIL IN STORM SEWER NEXT TO JELLIFF CORP.(KET). DOMERMUTH CONTRACTOR.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
waste oil/used oil	Petroleum	300 G	0 G	Sewer,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
THE C.O. JELLIFF CORP. (LATEF HILTON IND PK)	5 FORBES RD RENSSELAER NY 12144	(518) 449-7091

OTHER SPILLS / CLEANUPS / PBS AT SITE

SPILL NUMBER / PROGRAM NUMBER	CLOSE DATE	PROGRAM TYPE

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "GEISENDORFER"
SEE FILE (THICK FOLDER, Edocs). PBS 4-443514; 8202013, 8602120, 8701013, 8806485, 9516418, 9805964, 9901711, 0804418, 1300591.

tHERE EXISTS AN OLD 10K TANK ONSITE. IT WAS USED TO HOLD COTTONSEED OIL, AND ERRONEOUSLY ID'D AS PBS TANK. NO OIL HAS EXITED THROUGH THEIR SPDES DISCHARGE POINT FOR FIVE OR MORE YEARS.

PBS TANKS REMOVED.

PIN	T & A	COST CENTER
98434	8143	90984343--88

Created On: 11/03/1988

Date Printed: 5/17/2021 Last Updated: 07/11/2014

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 8806485

SPILL NAME: JELLIFF CORP HUDSON RIVER FORBES RI **DEC LEAD:** ANGEISEN

CLASS: B2 **CLOSE DATE:** 10/20/1995 **MEETS STANDARDS:** True

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 9516418

SPILL NAME: JELLIFF FORBES RD (RPT'D AS CONRAIL **DEC LEAD:** WEBLAIN

SPILL DATE: 03/21/1996 **SPILL TIME:** 10:00 am

CALL RECEIVED DATE: 03/21/1996 **RECEIVED TIME:** 11:29 am

SPILL LOCATION

PLACE: JELLIFF FORBES RD (RPT'D AS CONRAIL) **COUNTY:** Rensselaer

STREET: FORBES RD **TOWN/CITY:** Rensselaer (c)

CON RAIL FORBES ROAD RENNSELAER **COMMUNITY:** RENSSELAER

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Deliberate **SPILL REPORTED BY:** Other

FACILITY TYPE: Unknown **WATERBODY:**

CALLER REMARKS:

caller states it looks like some one changed oil in car and dumped oil.oil in man hole, could go into hudson river.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
waste oil/used oil	Petroleum	0 G	0 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
UNK [JELLIFF, LATER HILTON IND PK]	ZZ	

OTHER SPILLS / CLEANUPS / PBS AT SITE

SPILL NUMBER / PROGRAM NUMBER	CLOSE DATE	PROGRAM TYPE
8701013	5/6/1987 12:00:00AM	Spill Number

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BLAIN"
NO INDICATION OF WHY ORIGINAL Rpt LISTED CONRAIL AS SPILL SITE.

15:30-BLAIN @ SITE W/EVANS (M&E) & JOHN LEWIS (JELLIFF Mgr), Insp FOUND FILM OF OIL ON SEPARATOR, NO DISCHARGE, NO FURTHER DEC ACTION. NO Mfg DONE @ PLANT LAST COUPLE YRs.

8202013, 8602120, 8701013, 8806485, 9516418, 9805964, 9901711, 0804418, 1300591. PBS 4-443514?

PIN **T & A** **COST CENTER**

Created On: 03/21/1996

Date Printed: 5/17/2021 Last Updated: 07/11/2014

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 9516418

SPILL NAME: JELLIFF FORBES RD (RPT'D AS CONRAIL **DEC LEAD:** WEBLAIN

CLASS: B6 **CLOSE DATE:** 03/21/1996 **MEETS STANDARDS:** True

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 9901711

SPILL NAME: BARNETT MILLS FORBES AVE OLD JELLIF **DEC LEAD:** WEBLAIN

SPILL DATE: 05/10/1999 **SPILL TIME:** 6:30 pm

CALL RECEIVED DATE: 05/13/1999 **RECEIVED TIME:** 4:49 pm

SPILL LOCATION

PLACE: BARNETT MILLS FORBES AVE OLD JELLIFF **COUNTY:** Rensselaer

STREET: FORBES AVE **TOWN/CITY:** Rensselaer (c)

BARNETT MILLS FORBES AVE **COMMUNITY:** RENSSELAER

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Deliberate **SPILL REPORTED BY:** Citizen

FACILITY TYPE: Passenger Vehicle **WATERBODY:**

CALLER REMARKS:

CALLER STATES UNKNOWN PERSONS ARE CUTTING UP CARS AND LETTING ANY WASTE OIL IN CAR DRAIN ON THE GROUND AND IS NOT CLEANING IT UP. TO GET TO THE AREA WHERE THIS IS HAPPENING - TURN ON TRA(ST - TAKE RIGHT AT BOTTOM OF HILL - BEAR LEFT WHERE ROAD V'S - AS YOU SEE BUILDING BEAR LEFT AND GO PARRELEL TO RAILROAD TRACKS TO END OF BUILDING.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
waste oil/used oil	Petroleum	0 G	0 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
UNK AUTO REPAIR SHOP OLD JELLIFF FACIL, LATER HILTON	NY	

OTHER SPILLS / CLEANUPS / PBS AT SITE

SPILL NUMBER / PROGRAM NUMBER	CLOSE DATE	PROGRAM TYPE
4-050245		PBS Facility
9805964	12/1/1999 12:00:00A	Spill Number
0804418	7/18/2008 12:00:00A	Spill Number

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BLAIN"
16:56-17:02 - RECd Rpt OF OIL ON GROUND; 5/14, am - REFd TO BLAIN, ~11:00 WEB & PNB @ SITE, OLD JELLIFF FACILITY, AUTO REPAIR SHOP @ FAR END OF SITE, NO SIGN OF OIL ON GROUND, CKd AREA BACK TO BOAT LAUNCH, NO PROBLEM NOTED.

8202013, 8602120, 8701013, 8806485, 9516418, 9805964, 0804418, 1300591. PBS 4-443514

PIN **T & A** **COST CENTER**

Created On: 05/13/1999

Date Printed: 5/17/2021 Last Updated: 07/11/2014

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 9901711

SPILL NAME: BARNETT MILLS FORBES AVE OLD JELLIF **DEC LEAD:** WEBLAIN

CLASS: C6 **CLOSE DATE:** 05/14/1999 **MEETS STANDARDS:** True

fcb

New York State Department of Environmental Conservation
2176 Guilderland Avenue, Schenectady, New York 12306
(518) 382-0680

Thomas C. Jorling
Commissioner

REGISTERED LETTER - RETURN RECEIPT REQUESTED

December 22, 1988

Mr. John Lewis
C. O. Jelliff Corporation
5 Forbes Road
Rensselaer, NY 12144

Re: Spill #88-06485

Dear Mr. Lewis:

On November 2, 1988, I discovered approximately 200 gallons of lubricating oil in a storm sewer which you discharge to . After laboratory analysis and observations by me, the source of the spill was from the 55-gallon drums located in the drum storage area. Also, oil was identified being discharged into the drainage ditch along the dock and entering the storm drain.

Your company has been identified as the source of this oil spill and the continual accumulation of oil in the storm sewer. Therefore, under Article 12 of the Navigation Law you are responsible for all cost incurred by the State for cleaning up this spill. Also, a fine will be recommended since this is not the first spill documented as coming from your facility.

You will be required to properly install and maintain an oil/water separator as required by SPDES Permit. Please contact Mr. Fred Sievers from this office for follow-up details. Until this separator or collection system is properly installed, I will utilize a contractor to monitor and pump out the storm sewer as needed. Therefore, I advise you to move on installation of an approved State Pollution Discharge System.

This Department considers the continual discharge of oil from your facility a sufficient problem and will actively pursue compliance with State regulations.

Should you have any further questions, please contact me.

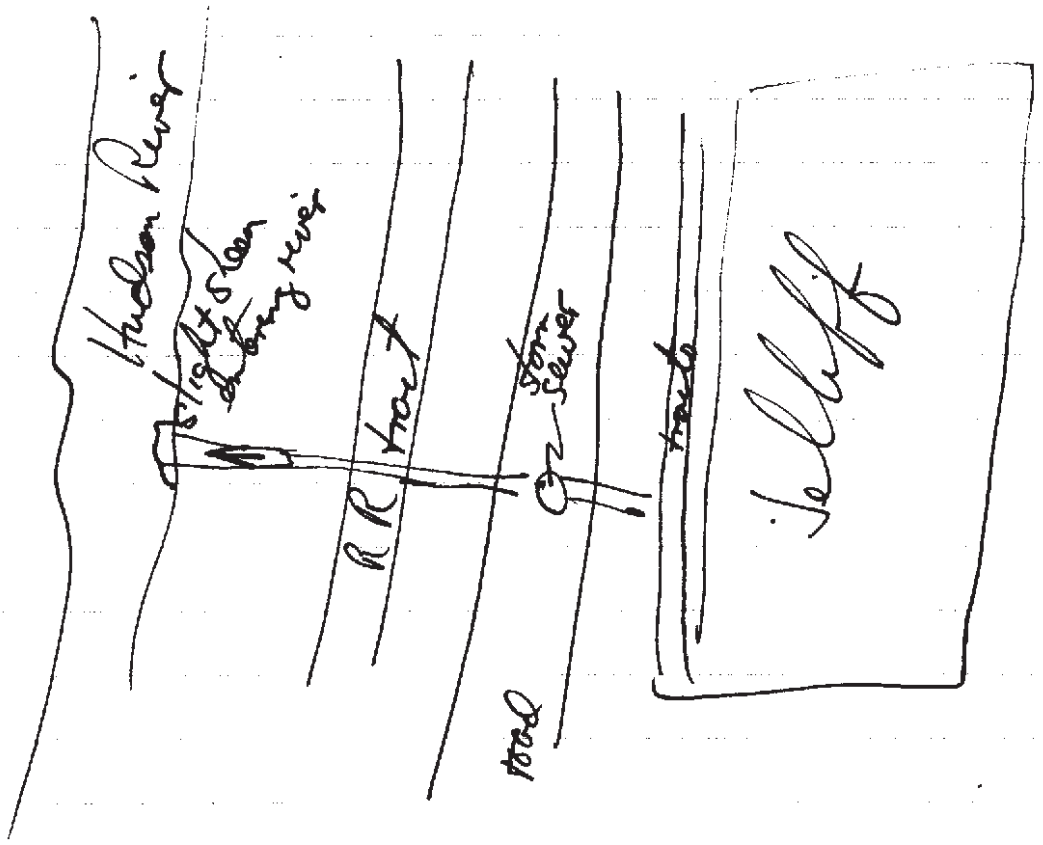
Sincerely,

Joseph McDonald
Regional Spill Investigator
Region IV

JM/gjh-5J24

cc: Fred Sievers

5/3/89 McDonald on scene
Jelliff Corp - Rensselaer - 30-50 gal oil in storm sewer. Domenuth pumped out oil and took oil sample to C+Hale for petroleum ID



Joe McD,

New York State Department of Environmental Conservation
2176 Guilderland Avenue, Schenectady, New York 12306
(518) 382-0680

Thomas C. Jorling
Commissioner

January 5, 1989

Mr. John Lewis
C. Jelliff Corporation
5 Forbes Road
Rensselaer, NY 12144

Re: Petroleum Spill
Rensselaer County

Dear Mr. Lewis:

In response to your telephone request of January 5, 1989, enclosed herewith please find basic design information that may be utilized by your Consulting Engineer in preparing plans for an oil/water separator to be used in conjunction with the previously mentioned petroleum product spill. In addition to the process design material, I have included forms to be used in applying for a State Pollutant Discharge Elimination System (SPDES) permit. The permit will be required for either the surface or groundwater discharge for the treated waste stream from your approved oil/water separator. The SPDES application when completed may be returned to the Regional Permit Administrator, Mr. William Clarke, at the above address. Engineering Report and plans for the separator should be submitted to Ms. Andrea Dzierwa, P.E., at the above address.

Should you have any questions or require any additional information, please feel free to contact me.

Sincerely yours,

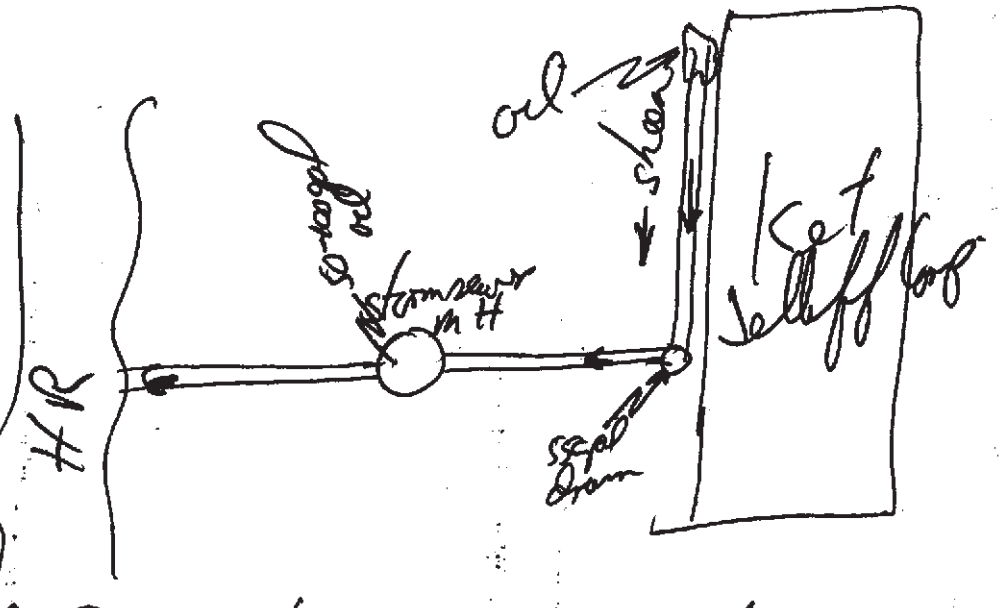
Frederick W. Sievers, P.E.
Associate Sanitary Engineer
Region IV

FWS/ml-21F29

cc: Joe McDonald

Jelliff Corp - Rec.

9/10/89
McDonald on scene - heavy oil sheen entering Hudson River from storm sewer



- McDonald hired Donemeth to install boom into River to contain oil / also pump out storm sewer.
- Discuss with Manager (John) that oil coming from Jelliff Corp property, unknown cause suspect oil trapped under blds / property entering storm sewer
- informed manager that state is going to install pump / separator to keep oil out of River - also his company could be billed if not

~~Sewer July 88 water softner will be charged~~
~~Monthly~~

~~odor~~

Mr John Lewis
C.O. Jelleff Corp
5 Forbes Road
Rensselaer, NY 12144

Department of Environmental Conservation

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Department of Environmental Conservation

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SPILL RESPONSE FORM

REGION: 4 6 SPILL NO. 8806485
SPILL NAME: Jelliff Corp CALLER NAME: McDonald
SPILL DATE: 11/2/88 TIME: 1100 AGENCY:
DATE: 11/03/88 INITIALS: MCJ TELEPHONE:

CENT.OFF.NOTIFIED - DATE: 11/03/88 TIME: 0900
REGIONAL OFFICE NOTIFIED - DATE: 11/2/88 TIME: 1105
ANSWERING SERVICE - DATE: / / TIME:
FIRST CALL: (A, C, (R)) REGIONAL OFFICE CALL RECEIVED BY:

PETROLEUM SPILLED
1) Gasoline
2) #2 Fuel
3) #4 Fuel
4) #6 Fuel
5) Diesel
6) Jet Fuel
(7) Waste Oil / hydraulic
8) Non-PCB Oil
9) PCB Oil
10) Kerosene
11) Unknown

CLASS OF MATERIALS
(1) Petroleum
2) Non Pet/Non Haz
3) Hazardous Material
4) Raw Sewage
5) Unknown

QUANTITY SPILLED (UNITS, (G) OR P): 200-300
OTHER MATERIAL:

SPILL LOCATION: 5 Forbes Rd
MUNICIPALITY: Rensselaer
COUNTY (CODE): Renn.

suspect
SPILLER NAME: The C.O. Jelliff Corp
ADDRESS: 5 Forbes Rd.
CITY, ST., ZIP: Rens. NY 12144
TELEPHONE: John Lewis
CONTACT PERSON: 449-7091

SPILL CAUSE
1) Human Error
2) Traf.Acc.
3) Eqpt Fail.
4) Vandalism
5) Test Fail.
6) Housekpg
7) Deliberate
8) Ab. Drums
9) Tank Fail.
10) Overfill
11) Other
(12) Unknown

SPILL SOURCE
(1) Comm/Ind.
2) Non-Comm.
3) Maj. Fac.
4) Non-Maj.Fac.
5) Gas Sta.
6) Pass. Veh.
7) Comm. Veh.
8) Tank Truck
9) Pvt. Dwelling
10) Vessel
11) Other
12) Unknown

RESOURCE AFFECTED
1) On Land
(2) In Sewer
3) Groundwater
4) Surface Water
5) Air

NOTIFIER
1) Resp.Party
2) Aff. Person
3) Police Dept
4) Fire Dept.
5) Tank Tester
(6) DEC
7) Citizen
8) Health Dept.
9) Loc.Agency
10) Fed. Gov't
11) Other

AFFECTED WATER BODY: Hudson River
DRAIN BASIN/SUB BASIN: 0301
PROJECT I.D. NO. (PIN):
TIME & ACTIVITY CODE:
STATUS (A, C):
COST CENTER CODE:
ENVIRON.COMPLETE DATE: / /
DATE ISR SENT TO C.O.: / /

CLOSED DATE: / /
LAST INSPECTION DATE: / /
INSPECTOR: McDonald
PBS REG. #
CLEANER: Donemuth
(1) PIN 2) SPILLER 3) LOC.AG 4) NO ACT

REMARKS: Oil entering Hudson River. McDonald spot checked found oil in storm sewer next to Jelliff Corp (ref).

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SPILL RESPONSE FORM

REGION: 6 SPILL NO. 8802485
SPILL NAME: Jelliff Corp CALLER NAME: McDonald (Discovered)
SPILL DATE: 11/2/88 TIME: 1100 AGENCY:
DATE: / / INITIALS: TELEPHONE:

CENT.OFF.NOTIFIED - DATE: / / TIME:
REGIONAL OFFICE NOTIFIED - DATE: 11/2/88 TIME: 1105
ANSWERING SERVICE - DATE: / / TIME:
FIRST CALL: (A, C, (R)) REGIONAL OFFICE CALL RECEIVED BY:

PETROLEUM SPILLED
1) Gasoline
2) #2 Fuel
3) #4 Fuel
4) #6 Fuel
5) Diesel
6) Jet Fuel
(7) Waste Oil / ~~Lubricating oil~~ Lubricating oil
8) Non-PCB Oil
9) PCB Oil
10) Kerosene
11) Unknown

CLASS OF MATERIALS
(1) Petroleum
2) Non Pet/Non Haz
3) Hazardous Material
4) Raw Sewage
5) Unknown

QUANTITY SPILLED (UNITS, (G) OR P): 200-300
OTHER MATERIAL:
~~Suspect~~ 11/2/88 TO Spill 88

SPILL LOCATION: 5 Forbes Rd
MUNICIPALITY: Rensselaer
COUNTY (CODE): Renn

SPILLER NAME: The C.O. Jelliff Corp
ADDRESS: 5 Forbes Rd
CITY, ST., ZIP: Reno, NY 12144
TELEPHONE: John Lebro
CONTACT PERSON: 449-7091

SPILL CAUSE
1) Human Error
2) Traf.Acc.
3) Eqpt Fail.
4) Vandalism
5) Test Fail.
6) Housekpg
7) Deliberate
8) Ab. Drums
9) Tank Fail.
10) Overfill
11) Other
(12) Unknown

SPILL SOURCE
(1) Comm/Ind.
2) Non-Comm.
3) Maj. Fac.
4) Non-Maj.Fac.
5) Gas Sta.
6) Pass. Veh.
7) Comm. Veh.
8) Tank Truck
9) Pvt. Dwelling
10) Vessel
11) Other
12) Unknown

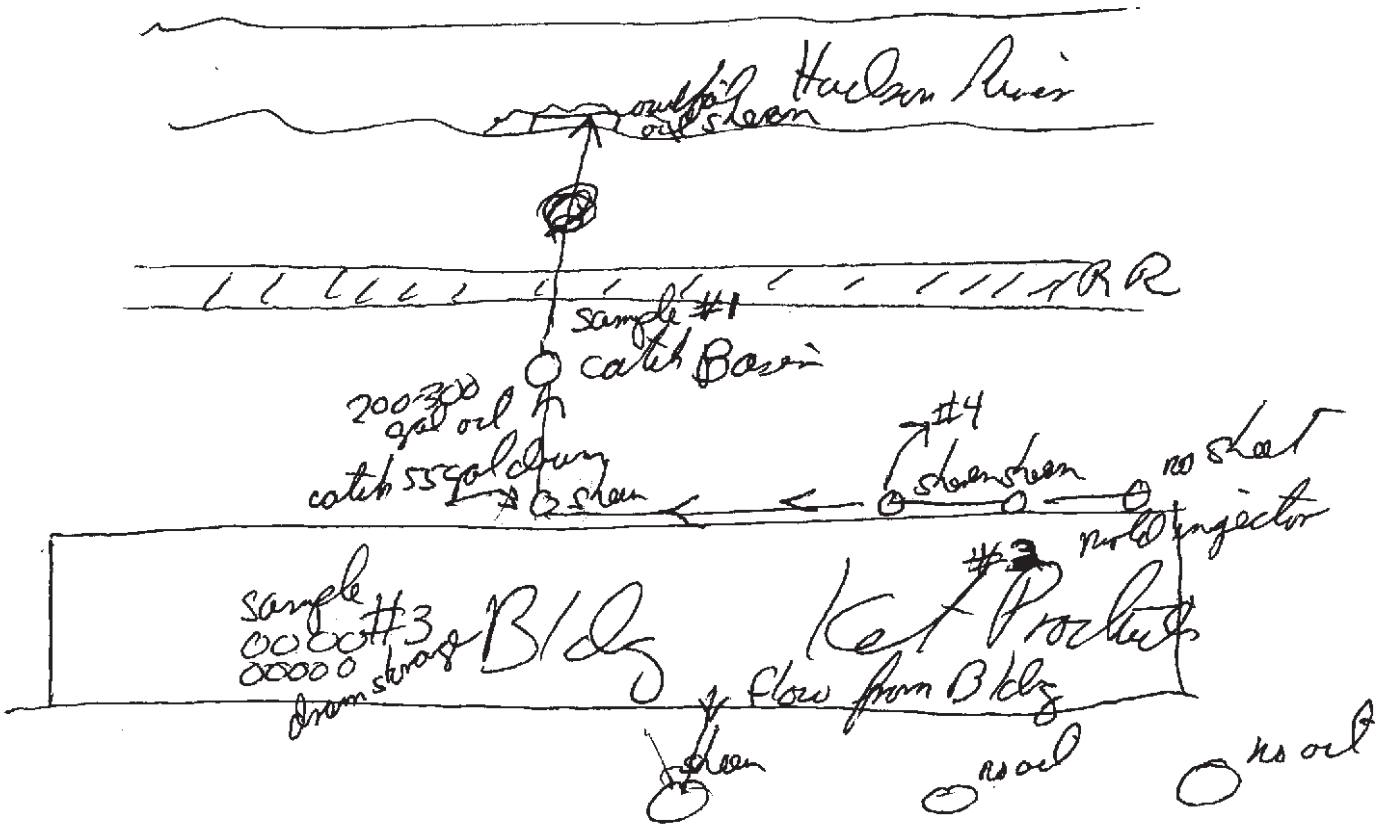
RESOURCE AFFECTED
1) On Land
(2) In Sewer
3) Groundwater
4) Surface Water
5) Air

NOTIFIER
1) Resp.Party
2) Aff. Person
3) Police Dept
4) Fire Dept.
5) Tank Tester
(6) DEC
7) Citizen
8) Health Dept.
9) Loc.Agency
10) Fed. Gov't
11) Other

AFFECTED WATER BODY: Hudson River
DRAIN BASIN/SUB BASIN: 0301
PROJECT I.D. NO. (PIN): SP 98434
TIME & ACTIVITY CODE: 8143
STATUS ((A.) C):
COST CENTER CODE: 9098 4343 - 88
ENVIRON.COMPLETE DATE: / /
DATE ISR SENT TO C.O.: / /

CLOSED DATE: / /
LAST INSPECTION DATE: / /
INSPECTOR: McDonald
PBS REG. #
CLEANER: Dunsmuth
(1) PIN 2) SPILLER 3) LOC.AG 4) NO ACT.

REMARKS: Oil entering Hudson River. McDonald Sgt. checked found oil in storm sewer next to Jelliff Corp (ref).



hill

↓ Rens.

McDonald talked to John Lewis - Mr Lewis / McDonald stated oil looks like motor oil (dark in color) Ket Products does not use motor oil. McDonald talked to Robert Kelley (Ket Prod) feels oil not theirs - Start to have contractor ad sample for ID.

11/3/88 McDonald on scene with CT Mal

Request Sample #1 PCB, Lead, Petro ID, fingerprint

#2 Petro ID, fingerprint

#3 . . . . .

#4 Petro ID ~~only~~ fingerprint

Domermuth Environmental Services

January 30, 1989

NYS Dept. of Env. Conservation
Region 4
2176 Guilderland Avenue
Schenectady, NY 12306
Attn: Mr. Joseph McDonald
Regional Spill Investigator

RE: Environmental Field Survey and
Dye Tracer Results - Jelliff Factory

Dear Sir:

Enclosed please find four (4) copies of the report developed in response to the request of the New York State Department of Environmental Conservation (NYS DEC), Region 4, for Domermuth Environmental Services to conduct an Environmental Field Assessment of the Jelliff Corp. Factory in Rensselaer, New York. The information contained in this report is based on a review of the facts provided by your office and from our field determinations made during this investigation.

Please contact us in the event that any additional information is required.

Sincerely,
Domermuth Environmental Services

George E. Courtney III

George E. Courtney III
Senior Project Hydrogeologist

GEC:lb
Enc.

(518) 768-2214 (315) 432-1025

P.O. Box 62 Clarksville, New York 12041 700 Hartwell Ave. East Syracuse, New York 13057

I. INTRODUCTION

Domermuth Environmental Services was contacted by the New York State Department of Environmental Conservation (NYS DEC) and asked to perform an Environmental Study involving a Dye Tracer Test at the Jelliff Corporation property in Rensselaer, New York.

This action was taken because of the fact that the site has had a recent and past history involving repeated releases of oil to the environment (NYS DEC, J. McDonald, personal communication). During a recent inspection of the site by NYS DEC Region 4 field personnel an accumulation of viscous oil was observed in a manhole catchment on the Western (Hudson River) side of the referenced property site.

The present Jelliff building dates to at least the 1903 to 1907 period (Mr. John Lewis personal communication). The previous owner was William Barnett Wool Reprocessing Company. The Jelliff Corporation, Plastics Division of KET Products, took over ownership about 1975.

A field meeting took place at the site between Domermuth's Senior Hydrogeologist and the NYS DEC Region 4 Spill Investigator on December 1, 1988 during which project

requirements were discussed in detail. The purpose of the Dye Tracer Test and Environmental Survey was to attempt a source location, check possible interconnection of drainage pathways (conduits etc.), and to determine approximate drainage flow rates at a time of low surface runoff.

The eastern side of the property faces a steep enbankment. Runoff from the embankment courses into sewer drains on the western side of the propety as well as continually being channelled beneath the factory through drains leading to a drainage line (collection system running continuously along the western edge of the building). (See site map schematic.)

II. PROCEDURES

The procedure for the Dye Tracer Test was to mix 2 to 3 tablespoons of Eoysine Red Dye in a one gallon plastic container. At 12:00 P.M. on December 30, 1988 one gallon of the liquid dye mixture was released to the main sewer drain (brick lined). The sewer drain was then flushed with approximately sixty gallons of water from a nearby hydrant. Two hours ellapsed during which no dye was observed in the drainage system on the western side of the Jelliff Factory.

A second dye tracer and time of travel test was performed at 2:50 P.M. on December 30, 1988 at the northwestern factory area of the building. This test determined that water exiting the factory does flow into a drainage network on the western (Hudson River) side of the building. The dye was observed to travel approximately four hundred linear feet in twenty minutes or at a flow velocity of approximately twenty (20) feet per minute.

One drain conduit exiting the Jelliff Factory main building was observed to flow at approximately two gallons per minute. A second drain flowed at approximately one half to less than one gallon per minute. On the day in which the

field work for this study was done, the weather was sunny, cold, and dry with no accumulated snow groundcover. It had not precipitated for a week or more prior to the study and the flow regime (volume and rates) in the drainage systems were very sluggish at the time of flow testing.

Several checks conducted through the factory building did not reveal the presence of any visible floor drains that could be dye traced. During walkthrough of the building, numerous 'suspect entry points' were observed where spilled or leached oil could exit the building through subsurface drainage conduits (paths) which exit the western side of the building. Oil contamination spilled or leaking in this manner would tend to accumulate in the manhole where the oil was originally found.

III. OBSERVATIONS

A lubricating oil was observed contained in pans around machines within the building. Numerous full and empty 55 gallon drums were observed before and during this environmental site study. No obvious or apparent leakages or spillages were noticed within the factory at the time of the study but many old drainage conduits were observed around machines especially in the building to the north of the main factory (production) building.

We estimate that there was approximately 2 to 3 gallons of accumulated highly viscous oil in the main manhole at the time of the study. The following recommendations can be made with respect to the referenced Jelliff Factory site as a result of this preliminary study:

1) An environmental audit should be performed to remove all unnecessary oil storage in old unused machines, vats, drums, etc. This step would go a long way toward alleviating further inadvertent releases of oil to the environment.

2) An oil water separator should be installed that will intercept oil migrating via the drainage conduits beneath the factory. The separator should be checked in the beginning at one month intervals phasing into a three month (quarterly) check with any large oil accumulations to be pumped and disposed of when necessary.

IV. SUMMARY AND RECOMMENDATIONS

A balance between environmental well being and a cost effective solution can take place at the site if the above fairly simple measures are undertaken.

There appears to be no hydraulic interconnection between the sewer drains on the eastern side of the property and the runoff drainage network running beneath the Jelliff Production Building. Runoff was observed to collect along the western (Hudson River) side through an extensive system of conduits running under the building. Any oil allowed to leak from the factory floor will thus enter this system and migrate to the manhole area where it has been observed to accumulate.

Given the full context of the accumulating oil problem and previous spill history, it is our estimate that this oil contamination did indeed originate within the confines of the Jelliff property site. This fact is further substantiated by laboratory analysis (Appendix A) which indicates a match between hydraulic lubricants in the factory oil drums and the accumulation in the manhole. A trace of fuel oil was also noted in the analysis whith may originate from the area shown in photographs 2, 7 and 8 where contaminated soil was located. Appropriate environmental measures need to be taken in order to insure that further releases are diminshed and contained with the hope of their ceasing completely.

Furthermore, it is our belief that this can be accomplished in a cost effective manner if proper cooperation takes place between the current property owners, NYS DEC, and whichever contracting firm is selected to install the appropriate safeguards. Installation of an oil water separator would prevent oil originating in the factory from flushing into the drainage line into the Hudson River. A fairly good gradient exists for surface and near surface runoff from the embankment across the terrace where the factory is located.

The accompanying site map schematic depicts possible environmental problem areas with X symbols. Photodocumentation visually dipicts some of the problem areas. Simple "environmental house keeping" together with the recommended corrective action plan (C.A.P.) should serve to alleviate further releases of oil to the environment from the factory site.

SITE LOCATION MAP

FIGURE 1

SOURCE: N.Y.S. DEPT. OF TRANSPORTATION
TROY SOUTH QUADRANGLE

0 .5 1 Mile

SCALE

1 : 24,000

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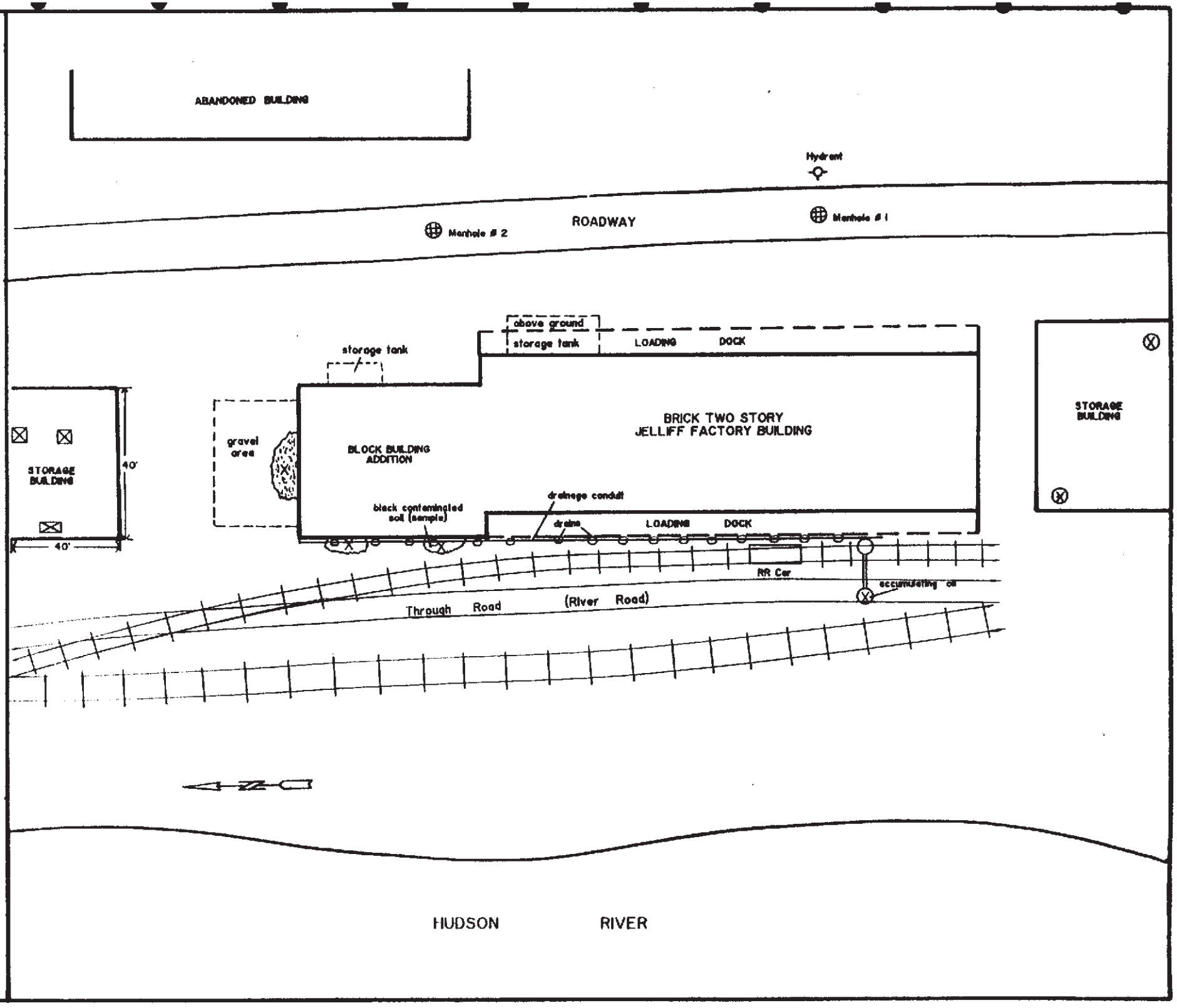
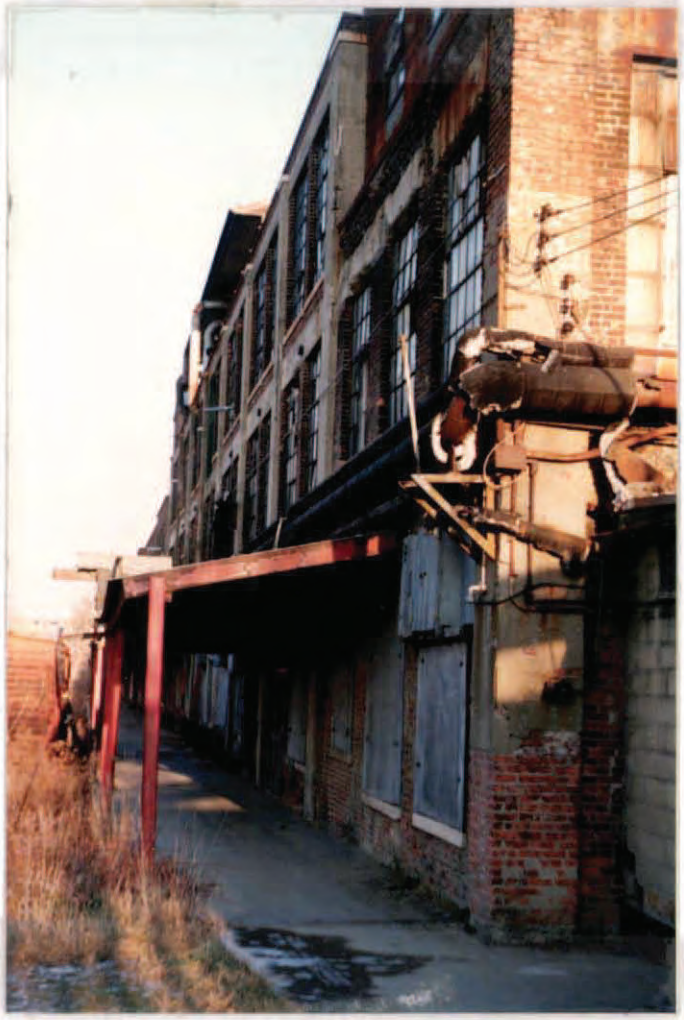


DOMERMUTH ENVIRONMENTAL SERVICES
PROJECT No. 4128DES
JELLIFF CORPORATION SITE
RENSSELAER, NEW YORK

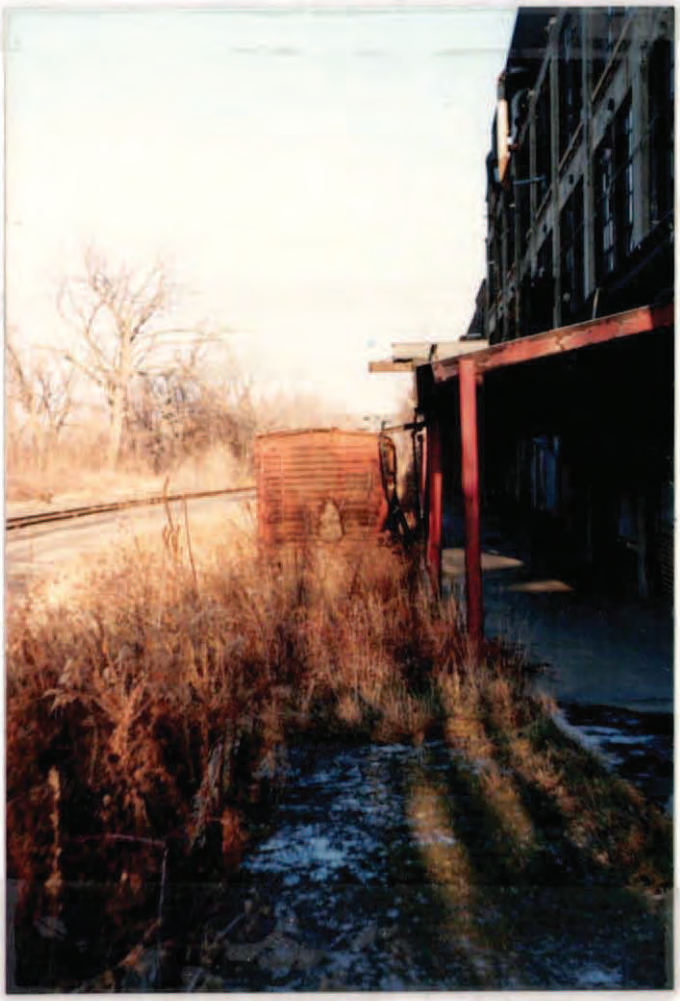
PHOTOGRAPHS



Photograph #1 - Jelliff Corporation Facility building, view looking north parallel to main drainage collection pipe.

Photograph #2 - Stained outside wall probably from oil product leakage, note drainage pipe running under feet of field technician.

Photograph #3 - Bailer coated with viscous oil product from main hole collection point on western side of building.



Photograph #4 - View looking north (Hudson River) side of Jelliff Building. Abandoned railroad car in middle of picture (left of loading dock).

Photograph #'s 5 & 6 - Drainage network junction on western (River) side of building.

Photograph #7 - Drainage pipes exiting northern area of main Jelliff Corporation Building.

Photograph #8 - View of petroleum contaminated soil and surface water at north western area of Jelliff Corporation Building.

Photograph #9 - Gravel area at northern end of Jelliff Building, with signs of recent oil spillage in dark area near shovel.

Photograph #10 - Buried underground storage tank at northeastern area of main Jelliff Building.

Photograph #11 - Separate block building at northern end of Jelliff property where leaking oil and stored oil was observed during site check.

Photograph #12 - Drainage pipe leading from hill area (eastern side) of site to edge of block addition to main Jelliff building.

Photograph #13 - Field technician pouring dye into manhole opening located on eastern side of Jelliff property.

Photograph #14 - Use of water from hydrant to flush dye through the sewer drainage on eastern side of Jelliff site.

Photograph #15 - Oil stained soil and wall area of Jelliff property site (northwestern area).

Photograph #16 - Underground storage tank on southern end of Jelliff property.

NYSDEC SPILL REPORT FORM

DEC REGION# 4 (Schenectady) SPILL NUMBER 9516416
SPILL NAME: CON RAIL DEC LEAD:
CALLER'S NAME: PATRICIA EVANS NOTIFIER'S NAME: PATRICIA EVANS
CALLER'S AGENCY: METCALF & EDDY ENGINEERG NOTIFIER'S AGENCY: METCALF & EDDY ENGINEERG
CALLER'S PHONE: (518) 463-2100 EXT. NOTIFIER'S PHONE: (518) 463-2100 EXT.

SPILL DATE: 03/21/96 TIME: 10:00
CALL RECEIVED DATE: 03/21/96 TIME: 11:29 RECEIVED BY CID #: 205

	Material Spilled	Mat. Class	Am't Spilled	Units	Am't Recovered
1)	WASTE OIL	(Pet)-Haz-Other-Unk.	Unknown	(Gal) Lbs	0
2)		Pet-Haz-Other-Unk.		Gal - Lbs	
3)		Pet-Haz-Other-Unk.		Gal - Lbs	
4)		Pet-Haz-Other-Unk.		Gal - Lbs	

SPILL LOCATION

PLACE: CON RAIL
STREET: FORBES ROAD
T/C/V: RENNSELAER CO: RENSSELAER
CONTACT:
PHONE: EXT.

POTENTIAL SPILLER

NAME: UNK
STREET:
CITY:
STATE: ZIP:
CONTACT:
PHONE: EXT.

SPILL CAUSE

Human Error | Tank Test Failure* | Tank Failure
Traffic Accident | Housekeeping | Tank Overfill
Equipment Failure | (Deliberate) | Other
Vandalism | Abandoned Drums | Unknown

SPILL SOURCE

Gas Station | Private Dwelling | Non-Maj Facility
Passenger Vehicle | Vessel | Comm/Indust
Comm. Vehicle | Railroad Car | Non-Comm/Instit
Tank Truck | Major Facility | (Unknown)

RESOURCE AFFECTED

(On Land) | Groundwater | Air
In Sewer | Surface Water**

**WATERBODY:

SPILL REPORTED BY

(Responsible Party) | Tank Tester | Local Agency
Affected Persons | DEC | Federal Gov't
Police Department | Citizen | Other
Fire Department | Health Dept.

CALLER REMARKS: caller states it looks like some one changed oil in car and dumped oil.oil in man hole. could go into hudson river.

*PBS Number	Tank Number	Tank Size	Test Method	Leak Rate

PRIMARY CONTACT CALLED DATE: TIME: hrs. REACHED DATE: TIME: hrs.
SECONDARY CONT. CALLED DATE: TIME: hrs. FAXED BY CID#: 205

PIN #	T & A	Cost Center	ISR to Central Office	
Cleanup Ceased	Meets St'ds NO	Last Inspection	Penalty NO	
RP-CUI	ENF-INT	INVES-COM	CAP	
UST Trust Eligible NO	Site: A B C D E	Resp. Party 1 2 3 4 5 6	Reg Close Date	

Created on 03/21/96 Last Updated on 03/21/96 Is Updated? YES EDO 3/27/96 PMS DATA INPUT [ ]
Date Printed: 03/21/96

Mar 21 96 11:23 No.015 P.01 TEL:8185

NYSDEC SPILL REPORT FORM

DEC REGION# 4 (Schenectady) SPILL NUMBER 9516418
SPILL NAME: ~~CONRAIL~~ Jeliff DEC LEAD:
CALLER'S NAME: PATRICIA EVANS NOTIFIER'S NAME: PATRICIA EVANS
CALLER'S AGENCY: METCALF & EDDY ENGINEERG NOTIFIER'S AGENCY: METCALF & EDDY ENGINEERG
CALLER'S PHONE: (518) 463-2100 EXT. NOTIFIER'S PHONE: (518) 463-2100 EXT.

SPILL DATE: 03/21/96 TIME: 10:00
CALL RECEIVED DATE: 03/21/96 TIME: 11:29 RECEIVED BY CID #: 205

Material Spilled	Mat. Class	Am't Spilled	Units	Am't Recovered
1) WASTE OIL	(Pet)-Haz-Other-Unk.	1 pint Unknown	(Gal) Lbs	0
2)	Pet-Haz-Other-Unk.		Gal - Lbs	
3)	Pet-Haz-Other-Unk.		Gal - Lbs	
4)	Pet-Haz-Other-Unk.		Gal - Lbs	

SPILL LOCATION Jeliff
PLACE: ~~CONRAIL~~ Jeliff
STREET: FORBES ROAD
T/C/V: RENNSELAER CO: RENSSELAER
CONTACT:
PHONE: EXT.

POTENTIAL SPILLER
NAME: ~~UNK~~ Jelliff
STREET:
CITY:
STATE: ZIP:
CONTACT:
PHONE: John Lewis EXT.

SPILL CAUSE

Human Error	Tank Test Failure*	Tank Failure
Traffic Accident	Housekeeping	Tank Overfill
Equipment Failure	(Deliberate)	Other
Vandalism	Abandoned Drums	Unknown

SPILL SOURCE

Gas Station	Private Dwelling	Non-Maj Facility
Passenger Vehicle	Vessel	Comm/Indust
Comm. Vehicle	Railroad Car	Non-Comm/Instit
Tank Truck	Major Facility	(Unknown)

RESOURCE AFFECTED

(On Land)	Groundwater	Air
In Sewer	Surface Water**	

**WATERBODY:

SPILL REPORTED BY

(Responsible Party)	Tank Tester	Local Agency
Affected Persons	DEC	Federal Gov't
Police Department	Citizen	Other
Fire Department	Health Dept.	

CALLER REMARKS: caller states it looks like some one changed oil in car and dumped oil.oil in man hole, could go into hudson river. Blain onsite 3/21/96 3:30PM Met Pat Evans and John Lewis (Jeliff Mgr). Lewis relates no manufacturing going on in plant for a couple of years. Film of oil on separator. no discharge

*PBS Number	Tank Number	Tank Size	Test Method	Leak Rate
		Close.		

PRIMARY CONTACT CALLED DATE: TIME: hrs. REACHED DATE: TIME: hrs.
SECONDARY CONT. CALLED DATE: TIME: hrs. FAXED BY CID#: 205

PIN #	T & A	Cost Center	ISR to Central Office
Cleanup Ceased	Meets St'ds NO	Last Inspection	Penalty NO
RP-CUI	ENF-INIT	INVES-COM	CAP
UST Trust Eligible NO	Site: A B C D E	Resp. Party 1 2 3 4 5 6	Reg Close Date

Created on 03/21/96 Last Updated on 03/21/96 Is Updated? YES EDO DATA INPUT [ ]
Date Printed: 03/21/96

Mar 21 96 11:23 No.015 P.01 TEL:8185

93-19-1 (12/90)—26c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER • BUREAU OF SPILL PREVENTION AND RESPONSE

PETROLEUM BULK STORAGE APPLICATION

Pursuant to the Petroleum Bulk Storage Law, Article 17, Title 10 of ECL; and 6 NYCRR 612-614.

(Continued on Reverse Side—Please Be Sure to Complete Section B)

Region 4
2176 Guilderland Ave
Schenectady, N.Y. 12306

RECEIVED

Please Type or Print Clearly and Complete All Items

SECTION A—See Instructions on Cover Sheet

PBS NUMBER: 4-443514

Indicate Other Existing DEC Numbers, if any, for this Facility:

CBS Number:

SPDES Number:

TRANSACTION TYPE (Check all that apply)
NOTE: Transaction Types 1, 2 and 5 require a fee.

1. ☐ Initial/ New Facility
2. ☐ Change of Ownership
3. ☒ Substantial Tank Modification
4. ☐ Information Correction
5. ☐ Renewal

Geographical Locator for this Facility: (If known)

LATITUDE: DEG MIN SEC

LONGITUDE: DEG MIN SEC

FACILITY

NAME: C.O. JELLIFF, CORP

LOCATION (Not P.O. Boxes): 5 FORBES ROAD

LOCATION (Continued):

CITY/TOWN/VILLAGE: RENSSELAER | STATE: NY | ZIP CODE: 12144

COUNTY: RENSSELAER | TOWNSHIP OR CITY: RENSSELAER

NAME OF OPERATOR AT FACILITY: JELLIFF, CORP | FACILITY TELEPHONE NUMBER: (518) 449-7090

EMERGENCY CONTACT NAME: JOHN LEWIS | EMERGENCY CONTACT PHONE NO.: (518) 477-2337

OWNER

NAME:

ADDRESS (Street and/or P.O. Box):

CITY | STATE | ZIP CODE

FEDERAL TAX ID NO. | OWNER TELEPHONE NUMBER ( )

TYPE OF OWNER (Check only one)
1 ☐ Private Resident 2 ☐ State Government 3 ☐ Local Government
4 ☐ Federal Government 5 ☐ Corporate/Commercial

TYPE OF PETROLEUM FACILITY: (Check all that apply)

A. ☐ Storage Terminal/Petroleum Distributor
B. ☐ Retail Gasoline Sales
C. ☐ Other Retail Sales
D. ☒ Manufacturing
E. ☐ Utility
F. ☐ Trucking/Transportation
G. ☐ Apartment Building
H. ☐ School
I. ☐ Farm
J. ☐ Private Residence
K. ☐ Airline (Air Taxi)
L. ☐ Other (Specify)

I hereby certify under penalty of perjury that the information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

NAME OF OWNER OR AUTHORIZED REPRESENTATIVE: JOHN LEWIS | AMOUNT ENCLOSED: $

TITLE: PLANT MANAGER

SIGNATURE: John Lewis | DATE: 9-15-93

CORRESPONDENCE MAILING

ATTENTION: MR. R.M. KELLY - PRESIDENT

NAME OF COMPANY: C.O. JELLIFF CORP

ADDRESS: P.O. BOX 758

ADDRESS: 354 REQUOT AVE.

CITY/STATE/ZIP CODE: SOUTHPORT, CT 06490

TELEPHONE NUMBER ( )

OFFICIAL USE ONLY

Page 1 of 1

Date Received: 9, 17, 93

Date Processed: 12, 3, 93

Amount Received $

Reviewed By: D.O'B.

PBS NUMBER: 4-443514

Tank Information for Petroleum Bulk Storage Facility

SECTION B—See Instructions on Cover Sheet

	Action	Tank Number	Tank Location	Status	Installation or Permanent Closure Date (MO)	(YR)	Capacity (Gallons)	Product Stored	Tank Type	Tank Internal Prot.	Tank External Protection	Piping Location	Piping Type	Piping Internal Prot.	Piping External Protection	Secondary Containment	Leak Detection	Spill/ Overfill Prevention	Dispenser	Last Test Date (underground Tanks) (MO)	(YR)
x	3	2	3	3	09	93	1000	3	1	0	0	1	4	0	0	0	0	0	2		

KEY FOR SECTION B

ACTION
1 Initial Listing
2 Add Tank
3 Close/Remove Tank
4 Information Correction
5 Recondition/Repair/ Reline Tank

TANK LOCATION
1 Aboveground
2 Aboveground on saddles legs, stilts, rack, or cradle
3 Aboveground: 10% or more below ground
4 Underground
5 Underground, vaulted, with access

STATUS
1 In-service
2 Temporarily out-of-service
3 Closed—Removed
4 Closed—In Place
5 Tank Converted to Non-Regulated Use

PRODUCT STORED
0 Empty
1 Leaded Gasoline
2 Unleaded Gasoline
3 Nos. 1, 2, or 4 Fuel Oil
4 Nos. 5 or 6 Fuel Oil
5 Kerosene
6 Diesel
A Lube Oil
9 Other*

TANK TYPE
1 Steel/Carbon Steel
2 Stainless Steel Alloy
3 Concrete
4 Fiberglass Coated Steel
5 Fiberglass Reinforced Plastic (FRP)
6 Equivalent Technology
9 Other*

PIPING TYPE
0 None
1 Steel/Iron
2 Galvanized Steel
3 Fiberglass (FRP)
4 Copper
9 Other*

INTERNAL PROTECTION: Tank/Piping
0 None
1 Epoxy Liner
2 Rubber Liner
3 Fiberglass Liner (FRP)
4 Glass Liner
9 Other*

EXTERNAL PROTECTION: Tank/Piping
0 None
1 Painted/Asphalt Coating
2 Sacrificial Anode
3 Impressed Current
4 Fiberglass
5 Jacketed
6 Wrapped (Piping)
9 Other*

PIPING LOCATION
0 None
1 Aboveground
2 Underground
3 Aboveground/Underground Combination

SECONDARY CONTAINMENT
0 None
1 Vault
2 Double-Walled Tank
3 Excavation Liner
4 Cut-off Walls
5 Impervious Underlayment
6 Earthen Dike
7 Prefabicated Steel Dike
8 Concrete Dike
A Synthetic Liner
B Natural Liner
9 Other*

LEAK DETECTION
0 None
1 Interstitial Monitoring
2 Vapor Well
3 Groundwater Well
4 In-tank System
5 Concrete Pad w/channels
6 Double Bottom
9 Other*

SPILL/OVERFILL PREVENTION
0 None
1 Float Vent Valve
2 High Level Alarm
3 Automatic Shut-off
4 Product Level Gauge
5 Catch Basin
6 Vent Whistle
9 Other*

DISPENSER
1 Submersible
2 Suction
3 Gravity

* If Other, please list on separate sheet including the Tank Number

CHAZEN ENVIRONMENTAL SERVICES, INC.

Capital District Office:

1407 Route 9, Bldg. 1
Clifton Park, NY 12065
Phone: (518) 371-0929 Fax: (518) 371-0623

www.chazencompanies.com
Email: albany@chazencompanies.com

Dutchess County Office:
Phone: (914) 454-3980

North Country Office:
Phone: (518) 812-0513

Orange County Office:
Phone: (914) 567-1133

01/156

April 19, 2001

Ms. Toni Mauceri
NYSDEC Region 4
1150 North Westcott Road
Schenectady, New York 12306

B:11B, all program
Please review for foil and return to me Thanks.
Pam
In 5/1
out 5/2

Re: Foil Request
Former Barnett Mills Site
City of Rensselaer, Rensselaer County
Chazen Project No. 90126.00

Dear Ms. Mauceri:

Pursuant to the Freedom of Information Law, we are requesting information on the above referenced site for inclusion in a Phase I Environmental Assessment Report. The site property is the former Barnett Mills site, located on Barnett and Forbes Roads in the City of Rensselaer, Rensselaer County, New York. It is our understanding that portions of this facility are currently leased and operated as the Hilton Industrial Park.

Pursuant to FOIL, records pertaining to the subject site are requested, specifically information pertaining to the following:

- Access to Spill Prevention and Response records pertaining to the following site spills: NYSDEC Spill No. 9901771; NYSDEC Spill No. 9516418; NYSDEC Spill No. 8806485; NYSDEC Spill No. 8602120; and NYSDEC Spill No. 8202013
- A copy of the PBS tank registry listed for the site as PBS4-443514. The Chazen Companies is interested in reviewing any tank closure records and/or investigations pertaining to this tank

Dave O'Brien

New York State Department of Environmental Conservation
Bureau of Spill Prevention and Response - Room 326
50 Wolf Road, Albany, New York 12233-3520

Thomas C. Jorling
Commissioner

July 6, 1992

Mr. John Lewis
Jelliff Corp.
5 Forbes Road
Rensselaer, NY 12144

Dear Mr. Lewis:

Department of Environmental Conservation inspector recently conducted an inspection of your facility to verify compliance with New York State's Petroleum Bulk Storage regulations 6 NYCRR Parts 612, 613, and 614. The inspection report is enclosed.

During the inspection the following deficiencies were noted and must be corrected within 30 days.

1. You have registered with this Department an empty 10,000 gallon capacity aboveground storage tank once used to store cotton seed oil. This tank should be removed from your registration since this tank is not applicable to our petroleum bulk storage regulations.
2. Fill ports are not color coded. Part 613.3(b)

You may contact me at (518) 382-0680 for any additional questions pertaining to this inspection.

Thank you for your cooperation.

Sincerely,

for Joe McDonald

Dave O'Brien
Petroleum Bulk Storage Inspector
Region 4
2176 Guilderland Ave.
Schenectady, N.Y. 12306

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
PETROLEUM BULK STORAGE FACILITY INSPECTION REPORT

THIS INSPECTION IS BEING CONDUCTED TO DETERMINE COMPLIANCE WITH THOSE REQUIREMENTS NOTED BELOW OF THE NEW YORK STATE PETROLEUM BULK STORAGE REGULATIONS (6 NYCRR PART 612, 613, 614). PLEASE BE ADVISED THAT IT IS THE LEGAL RESPONSIBILITY OF THE TANK OWNER TO ENSURE THAT ALL REQUIREMENTS OF THE NYS PETROLEUM BULK STORAGE REGULATIONS ARE COMPLIED WITH AT THIS FACILITY.

Exp 8/93

FACILITY NAME Jelliff Corp PBS# 443314

ADDRESS 5 Forbes Ave CITY/TOWN Penn. ZIP 12148

FACILITY CONTACT John Lewis

COUNTY Rens. FACILITY PHONE # (518) 449-7090

TANK OWNER Jelliff Corp

ADDRESS _____ CITY/TOWN _____ STATE _____ ZIP _____

PRODUCTS STORED: GASOLINE KEROSENE DIESEL (FUEL OIL #2) MOTOR OIL OTHER

10k tank empty

1. FACILITY REGISTRATION AND RECORDS

1.	Facility is registered under NYS PBS. (Part 612.2)	(Y)	N	N/A
2.	Registration certificate is posted at facility. (Part 612.2[e])	(Y)	N	N/A
3.	Registration information appears to be current and correct. (Part 612.2) remove 10k from list	(Y)	(N)	N/A
4.	Monthly Inspection Reports are being kept for aboveground tanks. (Part 613.6[c])	Y	(N)	(N/A)
5.	Detailed 10-year inspections have been conducted for existing aboveground tanks with a capacity of 10,000 gallons or more, or any tank which could reasonably be expected to discharge petroleum to the waters of the State. (Initial inspection must be performed when tank is 10 years old, or by Dec. 27, 1990, whichever is later.) (Part 613.6[b])	Y	N	(N/A)
6.	Monitoring records for cathodic protection and leak detection systems are maintained on the premises for aboveground (on-ground) tanks and/or underground tanks for a period of at least one year (Part 613.5[b])	Y	N	(N/A)
7.	Inventory records are kept for underground tanks. (Part 613.4) 1000 & 550	Y	(N)	N/A
8.	Underground tanks and piping have been tested as required. (Part 613.5)	Y	N	(N/A)
9.	Completed test reports for underground tank and piping systems have been sent to NYSDEC. (Part 613.5[a][4])	Y	N	(N/A)

DISCUSSION: 10,000 gal formly used to store cotton seed oil- never used for petroleum Storage, Pipes disconnected requested owner to remove from PBS registration

10000gal - 10% aboveground therefore tank should be registered as a UST, tank appears to be slightly corroded

II. OVERFILL PREVENTION AND SECONDARY CONTAINMENT SYSTEMS (6 NYCRR Part 613.3)

1. Fill ports are color coded (Part 613.3[b])	Y	(N)	N/A
2. Monitoring wells have been permanently marked and identified as "monitoring wells" Part 613.3[b][4])	Y	N	(N/A)
3. Shut off valves for remote pumping units at motor fuel dispensers are in place (Part 613.3[c][1]) (Shear valve/impact valve in Line at inlet of dispenser)	Y	N	(N/A)
4. Shut off valves for gravity fed motor fuel dispensers are in place (Part 613.3[c][2]) (Solenoid valve)	Y	N	(N/A)
5. All aboveground petroleum tanks are equipped with a level site gauge, high level warning alarm, or high level liquid pump cut off (Part 613.3[c][3])	Y	N	(N/A)
6. The design capacity, working capacity and identification number of tank is clearly marked on aboveground tanks (Part 613.3[c][3][ii])	Y	N	(N/A)
7. Fill pipes for pump filled tanks have check valves (Part 613.3[c][4])	Y	N	(N/A)
8. Gravity drained tanks have operating valves to control the flow of product (Part 613.3[c][5])	Y	N	(N/A)
9. Secondary containment is in place for aboveground tanks with a capacity of 10,000 gallons or more, or any tank which could reasonably be expected to discharge petroleum to the waters of the state (required by December 1990). (Part 613.3[c][6])	Y	N	(N/A)

DISCUSSION: will color code - green paint

III. GENERAL COMPLIANCE

1. Transfer Area/Loading Rack — Y N (N/A)

   a. Fill Ports

   b. Loading Rack/Arms:

2. Maintenance/Housekeeping — (Y) N N/A

   1000 a/g fo tank highly graded no testing required - put possible leak

3. Oil/Water Separator — (Y) N N/A

   If so, describe the process it treats and where it discharges:

4. Stormwater Handling — Y N (N/A)

5. SPDES Permit and Wastewater Treatment — (Y) N N/A

   has SPDES - comp. has files

6. SPCC Plan (40 CFR Part 112) — Y N (N/A)

7. Chemical Bulk Storage Tanks — Y N (N/A)

   None

   use 55 gals Drums III TCE (1 drum)

8. Security/Lighting — Y N (N/A)

NYSDEC Representatives: Joe McDonald Title Env. Tech Date 6/17/92

Facility Representative: John Kelly Title PLT Manager Date 6/17/92

For Further Information Please Contact: David O'Brien Telephone 382-0680

(SY8)

COMMENTS:

2 pictures attached

company just about out of business

SKETCH OF FACILITY:

Dave,
Please follow-up.
(See pg. 2)
Mark

New York State Department of Environmental Conservation
2176 Guilderland Avenue, Schenectady, New York 12306
Tel. (518) 382-0680
FAX# (518) 382-1065

Thomas C. Jorling
Commissioner

October 4, 1991

CERTIFIED LETTER - RETURN RECEIPT REQUESTED
P 241 836 047

4-443514

Mr. R. M. Kelly
Executive Vice President
Jelliff Corporation
P.O. Box 758
354 Pequot Avenue
Southport, CT 06490

Re: Spill #88-06485
Jelliff Corporation
Rensselaer, Rensselaer Co.

Dear Mr. Kelly:

I recently inspected the Jelliff building in Rensselaer. The oil/water system was shut down due to pump failure. Upon reviewing the file, Allan Geisendorfer's letter to you, dated April 16, 1991, surfaced. To date, it appears that none of Mr. Geisendorfer's recommendations have been implemented. For his part, John Lewis, the manager, says that he's checked the system every other week, but keeps no log.

By copy of this letter, I am recommending that your SPDES Permit Application be denied due to:

- lack of maintenance, recordkeeping and sampling;
- the system as exists cannot handle the oil/floating solids mix; a better oil recovery/pumping system is required;
- no consideration for flowrate has been factored into system operation.

It is likely that the system will entrain the viscous oil during periods of high flow and active factory production. It may result in a discharge of oil to the Hudson River. If this is the case your company can be held accountable for additional discharge violations. Since there is still considerable tramp oil near discharge points and drainage systems, I will consider any such discharge as intentional.

On the positive side, I inspected the discharge on October 1, 1991. After a night of heavy rain, there was no oily discharge, nor sheen. Therefore, if the oil recovery system is upgraded, it should be an approvable process, if Mr. Geisendorfer's recommendations are implemented.

I also made the following observations:

- a leaking drum of a solvent containing sodium hydroxide stored next to a drum of hydrochloric acid. There were several other drums of miscellaneous chemicals nearby.
- a transformer under the loading dock containing Pyranol (a trade name transformer oil). It is near the main electrical panel. I noted that the main transformers have been tested for PCB's and labeled, but there was no label on this one.
- over a hundred drums of used oil stored in the basement (approximately 5,000 gallons). Many are open, bulged and in poor condition.
- all the drip pans in the manufacturing sections were filled, some overflowed and there is a significant housekeeping problem onsite.
- the 10,000g aboveground tank has been out of service for more than one year. Therefore, it must be either brought up to current Petroleum Bulk Storage standards or cleaned of the remaining two or three inches of oil, and permanently closed.

Please contact me to discuss these matters as soon as possible.

Sincerely yours,

William Blain, P.E.

William Blain, P.E.
Environmental Engineer I
Region IV

WEB/gjb-15W35

cc: A. Dzierwa
A. Geisendorfer
E. Hamilton
M. Klotz
William Marlow - Bldg & Planning, Rensselaer
C. Van Guilder

M&E **Anderson Equipment and Testing**

A Metcalf & Eddy Company

New York State
Department of Environmental Conservation
Region 4
2176 Guilderland Avenue
Schenectady, NY 12306

RE: Tank Removal Notification

To Whom It May Concern:

As per our phone conversation of FRIDAY 9/17/93
with DAVE O'BRIEN _____ of your
office, we will be removing underground storage tanks at
JELLIFF CORPORATION 5 FORBES AVE RENSSELAER
on WED 9/22/93.

We will contact your office if there are any changes. Please call our Environmental Department at (518) 463-2219 with any questions or comments.

Thank you for your attention.

Yours truly,

Mark Giaconia

Mark Giaconia
Project Coordinator

Mailing Address: P.O. Box 357 • Rensselaer, NY 12144
480 South Street • Rensselaer, NY 12144 • (518) 463-2100 • (518) 463-2108 • FAX (518) 463-0168

PEI

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PBS NOTIFICATION FORM

PBS NO. 4-443514

REGION_____

CALLER'S NAME: Mark

CALLER'S AGENCY: Anderson Eq.

CALLER'S PHONE: 463-2400

FACILITY NAME: Jeliff Corp.

STREET: 5 Barber Ave.

CITY/ST./ZIP: Ronsa, NY

COUNTY: "

PHONE: _____

NOTIFY DATE: 9/17/93 TIME: _____

ACTION DATE: 9/22/93 TIME: _____

COMP. DATE: / / TIME: _____

1 - REGISTERED

2 - NON-REGISTERED

OWNER NAME: _____

STREET: _____

CITY/ST./ZIP: _____

PHONE: _____

Tank Action

1 - Register Existing
2 - Add
3 - Close/Remove
4 - Modify
5 - Leaking
6 - Inventory Loss
7 - Water Accum.
8 - No Action
9 - Tk Test Tight

Product Stored

1 - Leaded Gasoline
2 - Unleaded Gasoline
3 - Nos. 1,2 or 4 Fuel
4 - Nos. 5 or 6 Fuel
5 - Kerosene
6 - Diesel
7 - Other

Location

1 - Underground
4 - Aboveground

Status

1 - In Service
2 - Temporarily Out
3 - Permanently Out

Action	Tank Number	Location	Capacity	Product	Test Tight
3		1	1K	3	

And. Eq. to do closure Report.

Water Resource

1 - Well
2 - Surface _____
3 - Unknown

DEC Requested

1 - Test Excavation
2 - Monitoring Well

REMARKS: _____

PERSON CONTACTED: D. O'Brien

INSPECTOR: _____

New York State Department of Environmental Conservation

2176 Guilderland Avenue, Schenectady, NY 12306

Tel. (518) 382-0680
FAX# (518) 382-1065

Thomas C. Jorling
Commissioner

September 17, 1993

R.M. Kelly
Jeliff Corp.
354 Pequot Ave.
Southport, CT 06490

RE: PBS #4-443514
Jelliff Corp.
5 Forbes Rd.
Rensselaer, NY 12144

Dear Mr. Kelly:

Enclosed is a copy of the Region 4 Assessment Guidance for Petroleum Tank Closure. An assessment is required for permanent tank closures. A site assessment is designed to determine if there is any contamination present at the site. Once any contamination is found then a site investigation needs to be done to determine the extent of the problem.

If the site assessment is being done in conjunction with a tank closure in place, the assessment should be done before the actual closure. If the tank is going to be removed, the assessment should be done during the tank closure. Submit a copy of the final report to the above address.

Please contact me if you have any questions.

Sincerely,

David L. O'Brien

Petroleum Bulk Storage Unit

printed on recycled paper

93-06-004 (1/91)—26c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PETROLEUM BULK STORAGE REGISTRATION CERTIFICATE

NYS DEC - REGION 4
2176 GUILDERLAND AVENUE
SCHENECTADY, NY 12306
(518) 382-0680

TANK NUMBER	DATE INSTALLED	TANK TYPE	CAPACITY (GALLONS)	DATE LAST TESTED	TESTING DUE DATE	
1	12/79	Steel/Carbon Steel	550			
2	12/82	Steel/Carbon Steel	1,000			*1

*1 - Aboveground tanks require monthly visual inspections and documented internal inspections as described in 6 NYCRR Pt. 613.

OWNER

JELLIFF CORP.
354 PEQUOT AVE.
SOUTHPORT, CT 06490

SITE

JELLIFF CORP.
5 FORBES RD.
RENSSELAER, NY 12144

OPERATOR (Name and Telephone Number)

JELLIFF CORP.
(518) 449-7090

EMERGENCY CONTACT (Name and Telephone Number)

JOHN LEWIS
(518) 477-2337

As an authorized representative of the above named facility, I affirm under penalty of perjury that the information displayed on this form is correct to the best of my knowledge. Additionally, I recognize that I am responsible for assuring that this facility is in compliance with all sections of 6 NYCRR Parts 612, 613 and 614, not just those cited below:

- The facility must be re-registered if there is a transfer of ownership.
- The Department must be notified within 30 days prior to adding, replacing, reconditioning, or permanently closing a stationary tank.
- The facility must be operated in accordance with the code for storing petroleum, 6 NYCRR Part 613.
- Any new facility or substantially modified facility must comply with the code for new and substantially modified facilities, 6 NYCRR Part 614.
- **This certificate must be posted on the premises at all times.** Posting must be at the tank, at the entrance of the facility, or the main office where the storage tanks are located.
- Any person with knowledge of a spill, leak or discharge must report the incident to DEC within two hours **(1-800-457-7362).**

Signature of Authorized Representative/Owner Date

Name of Authorized Representative/Owner (Please Print)

Title

ISSUED BY:
Commissioner Thomas C. Jorling

PETROLEUM BULK STORAGE ID NUMBER
4-443514

DATE ISSUED: 07/01/93
EXPIRATION DATE: 08/23/98

FEE PAID
$ 50

MAILING CORRESPONDENCE

R.M. KELLY
JELLIFF CORP.
354 PEQUOT AVE.
SOUTHPORT, CT 06490

THIS REGISTRATION CERTIFICATE IS NON-TRANSFERABLE

93-19-1 (12/90)—26c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER • BUREAU OF SPILL PREVENTION AND RESPONSE

PETROLEUM BULK STORAGE APPLICATION

Pursuant to the Petroleum Bulk Storage Law, Article 17, Title 10 of ECL; and 6 NYCRR 612-614.

(Continued on Reverse Side—Please Be Sure to Complete Section B)

RETURN COMPLETED FORM & FEE TO:

NYS DEC - REGION 4
2176 GUILDERLAND AVENUE
SCHENECTADY, NY 12306
(518) 382-0680

Please Type or Print Clearly and Complete All Items

SECTION A—See Instructions on Cover Sheet

PBS NUMBER: 4-443514

Indicate Other Existing DEC Numbers, if any, for this Facility:

CBS Number:

SPDES Number:

TRANSACTION TYPE (Check all that apply)
NOTE: Transaction Types 1, 2 and 5 require a fee.

1. ☐ Initial/ New Facility
2. ☐ Change of Ownership
3. ☐ Substantial Tank Modification
4. ☐ Information Correction
5. ☒ Renewal

Geographical Locator for this Facility: (If known)

LATITUDE: DEG MIN SEC

LONGITUDE: DEG MIN SEC

FACILITY

NAME: JELLIFF CORP.

LOCATION (Not P.O. Boxes): 5 FORBES RD.

LOCATION (Continued):

CITY/TOWN/VILLAGE: RENSSELAER | STATE: NY | ZIP CODE: 12144

COUNTY: RENSSELAER | TOWNSHIP OR CITY: RENSSELAER (C)

NAME OF OPERATOR AT FACILITY: JELLIFF CORP. | FACILITY TELEPHONE NUMBER: 518)449-7090

EMERGENCY CONTACT NAME: JOHN LEWIS | EMERGENCY CONTACT PHONE NO.: 518)477-2337

OWNER

NAME: JELLIFF CORP.

ADDRESS (Street and/or P.O. Box): 354 PEQUOT AVE.

CITY: SOUTHPORT | STATE: CT | ZIP CODE: 06490

FEDERAL TAX ID NO.: 06-0404250 | OWNER TELEPHONE NUMBER: 518)449-7090

TYPE OF OWNER (Check only one)

1 ☐ Private Resident 2 ☐ State Government 3 ☐ Local Government
4 ☐ Federal Government 5 ☒ Corporate/Commercial

MAILING CORRESPONDENCE

ATTENTION: R.M. Kelly

NAME OF COMPANY: JELLIFF CORP.

ADDRESS: 354 PEQUOT AVE.

ADDRESS:

CITY/STATE/ZIP CODE: SOUTHPORT, CT 06490

TELEPHONE NUMBER: 518 449-7090 (203)-259-1615

TYPE OF PETROLEUM FACILITY:
(Check all that apply)

A. ☐ Storage Terminal/Petroleum Distributor
B. ☐ Retail Gasoline Sales
C. ☐ Other Retail Sales
D. ☒ Manufacturing
E. ☐ Utility
F. ☐ Trucking/Transportation
G. ☐ Apartment Building
H. ☐ School
I. ☐ Farm
J. ☐ Private Residence
K. ☐ Airline (Air Taxi)
L. ☐ Other (Specify)

I hereby certify under penalty of perjury that the information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

NAME OF OWNER OR AUTHORIZED REPRESENTATIVE: R.M. Kelly | AMOUNT ENCLOSED: $ 50.00

TITLE: President

SIGNATURE: [signature] | DATE: 6/2/93

OFFICIAL USE ONLY

Page 1 of 1

Date Received: 6,7,93

Date Processed: 6,29,93

Amount Received $ 50

Reviewed By: D.O'B.

MAY • 6 1993

PBS NUMBER: 4-443514

Tank Information for Petroleum Bulk Storage Facility

SECTION B—See Instructions on Cover Sheet

EXPIRATION DATE: 08/23/93

Action	Tank Number	Tank Location	Status	Installation or Permanent Closure Date (MO)	(YR)	Capacity (Gallons)	Product Stored	Tank Type	Tank Internal Prot.	Tank External Protection	Piping Location	Piping Type	Piping Internal Prot.	Piping External Protection	Secondary Containment	Leak Detection	Spill/ Overfill Prevention	Dispenser	Last Test Date (underground Tanks) (MO)	(YR)
1	1	4	1	12	79	550	3	1				4			0	0	4	2		
1	2	3	1	12	82	1,000	3	1				4			0	0	4	2		
~~1~~	~~3~~	~~2~~	~~2~~	~~00~~	~~00~~	~~10,000~~	~~9~~	~~1~~							~~0~~	~~0~~		1		
	(3)					Tank cleaned and closed as of 1/18/93														

KEY FOR SECTION B

ACTION
1 Initial Listing
2 Add Tank
3 Close/Remove Tank
4 Information Correction
5 Recondition/Repair/ Reline Tank

TANK LOCATION
1 Aboveground
2 Aboveground on saddles legs, stilts, rack, or cradle
3 Aboveground: 10% or more below ground
4 Underground
5 Underground, vaulted, with access

STATUS
1 In-service
2 Temporarily out-of-service
3 Closed—Removed
4 Closed—In Place
5 Tank Converted to Non-Regulated Use

PRODUCT STORED
0 Empty
1 Leaded Gasoline
2 Unleaded Gasoline
3 Nos. 1, 2, or 4 Fuel Oil
4 Nos. 5 or 6 Fuel Oil
5 Kerosene
6 Diesel
A Lube Oil
9 Other*

TANK TYPE
1 Steel/Carbon Steel
2 Stainless Steel Alloy
3 Concrete
4 Fiberglass Coated Steel
5 Fiberglass Reinforced Plastic (FRP)
6 Equivalent Technology
9 Other*

PIPING TYPE
0 None
1 Steel/Iron
2 Galvanized Steel
3 Fiberglass (FRP)
4 Copper
9 Other*

INTERNAL PROTECTION: Tank/Piping
0 None
1 Epoxy Liner
2 Rubber Liner
3 Fiberglass Liner (FRP)
4 Glass Liner
9 Other*

EXTERNAL PROTECTION: Tank/Piping
0 None
1 Painted/Asphalt Coating
2 Sacrificial Anode
3 Impressed Current
4 Fiberglass
5 Jacketed
6 Wrapped (Piping)
9 Other*

PIPING LOCATION
0 None
1 Aboveground
2 Underground
3 Aboveground/Underground Combination

SECONDARY CONTAINMENT
0 None
1 Vault
2 Double-Walled Tank
3 Excavation Liner
4 Cut-off Walls
5 Impervious Underlayment
6 Earthen Dike
7 Prefabicated Steel Dike
8 Concrete Dike
A Synthetic Liner
B Natural Liner
9 Other*

LEAK DETECTION
0 None
1 Interstitial Monitoring
2 Vapor Well
3 Groundwater Well
4 In-tank System
5 Concrete Pad w/channels
6 Double Bottom
9 Other*

SPILL/OVERFILL PREVENTION
0 None
1 Float Vent Valve
2 High Level Alarm
3 Automatic Shut-off
4 Product Level Gauge
5 Catch Basin
6 Vent Whistle
9 Other*

DISPENSER
1 Submersible
2 Suction
3 Gravity

* If Other, please list on separate sheet including the Tank Number

MAY 6 1993

NYS ENVIRONMENTAL CONSERVATION
2176 GUILDERLAND AVENUE

SCHENECTADY, NY 12306

(518) 382-0680

93-06-004

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PETROLEUM BULK STORAGE REGISTRATION CERTIFICATE

FEE PAID 250

TANK NUMBER	TESTING DUE DATE	DATE LAST TESTED	TANK TYPE	CAPACITY	DATE INSTALLED
001			BARE STEEL	550	12/79
002	*		BARE STEEL	1,000	12/82
003	*		BARE STEEL	10,000	UNKWN

* Aboveground tanks require monthly visual inspections and documented internal inspections every ten years as described in 6 NYCRR Part 613.

As authorized representative of the above named facilit
I affirm under penalty of perjury that the information displaye
on this form is correct to the best of my knowledg
Additionally, I recognize that I am responsible for assuring th
this facility is in compliance with all sections of 6 NYCRR Par
612, 613 and 614, not just those cited below:

- The facility must be reregistered if there is a transf of ownership.
- The Department must be notified within 30 days pri to adding, replacing, reconditioning, or permanen closing a stationary tank.
- The facility must be operated in accordance with t Code for Storing Petroleum, 6 NYCRR Part 613.
- Any new facility or substantially modified facility mu comply with the Code for New and Substantia Modified Facilities, 6 NYCRR Part 614.
- **This certificate must be displayed on the premis at all times.**

Signature of Representative/Owner

ISSUED BY:
COMMISSIONER THOMAS C. JORLING

PETROLEUM BULK STORAGE ID NUMBER 443514

DATE ISSUED 08/23/88

EXPIRATION DATE 08/23/93

OPERATOR
JELLIFF CORP.
5 FORBES RD.
RENSSELAER NY 12144

FACILITY
JELLIFF CORP.
5 FORBES RD.
RENSSELAER NY 12144

OWNER
JELLIFF CORP.
354 PEQUOT AVE.
SOUTHPORT CT 06490

EMERGENCY CONTACT
JOHN LEWIS
1694 RICHWOOD DR.
CASTLETON NY 12033
(518) 477-2337

DEPARTMENT COPY

93-09-1 (1/88)—26c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PETROLEUM BULK STORAGE APPLICATION

REMINDER

1. Enclose registration fee.
2. Make checks payable to: New York State Department of Environmental Conservation.
3. Return all four (4) copies of this application to the DEC Regional Office.

Facility Size and Fee
1,101-4,999—$50/facility
5,000-10,000—$150/facility
10,001-399,999—$250/facility

Please Type or Print Clearly and Complete All Items

SECTION A

See Instructions on Back

APPLICATION NUMBER: 355005

TRANSACTION TYPE Check one
1 [X] Registration
2 [ ] Transfer
3 [ ] Substantial Facility Modification
4 [ ] Information Correction

Existing PBS Number: _____

1. NAME OF FACILITY: Jelliff Corporation
2. ADDRESS (Number and Street): 5 Forbes Road
3. CITY, TOWN, VILLAGE: Rensselaer
4. STATE: NY
5. ZIP CODE: 12144
6. COUNTY: Rens.
7. TELEPHONE: (518) 449-7090

1. NAME OF OWNER: Jelliff Corporation
2. ADDRESS (Number and Street): 354 Pequot Ave
3. CITY, TOWN, VILLAGE: Southport
4. STATE: CT
5. ZIP CODE: 06490
7. TELEPHONE: (203) 259-1615

1. NAME OF OPERATOR: Jelliff Corporation
2. ADDRESS (Number and Street): 5 Forbes Road
3. CITY, TOWN, VILLAGE: Rensselaer
4. STATE: CT
5. ZIP CODE: 12144
7. TELEPHONE: (518) 449-7090

1. NAME OF EMERGENCY CONTACT: John Lewis
2. ADDRESS (Number and Street): 169-1 Richwood Drive
3. CITY, TOWN, VILLAGE: Castleton
4. STATE: NY
5. ZIP CODE: 12033
7. TELEPHONE: (518) 477-2337

OFFICIAL USE ONLY

PBS Number: 443514
Page 1 of 1
SWIS Code: 381400
Date Received: 7/20/88
Amount Received: $250.00
Received By: GN

I hereby affirm under penalty of perjury, that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

8. NAME/TITLE OF REPRESENTATIVE: R.M. Kelly - Vice Pres.

9. SIGNATURE: _____ DATE: 7-12-88

SECTION B

Action	Tank Number	Location	Capacity (Gallons)	Tank Type	Product Stored	Status	Installation Date (MO) (YR)	Leak Detection	Secondary Containment	Product Gauge	Piping Type	Dispenser	Official Use Only
1	1	1	550	1	3	1	79	6	6	1	8	2	
1	2	6	1000	1	3	1	82	6	6	1	8	2	
1	3	5	10000	1	7	2	Unknown — By Previous Owner	6	6	0		0	
							EMPTY. NOT USED FOR AT LEAST 12 YRS.						

KEY FOR SECTION B (Instructions on back)

ACTION
1 Register existing tank
2 Add Tank
3 Close/Remove Tank
4 Modify Tank

LOCATION
1 Underground
2 Underground vaulted, with access
3 Underground vaulted, no access
4 Aboveground
5 Aboveground on crib, etc.
6 Partially buried

TANK TYPE
1 Bare steel or steel with black asphalt coating
2 Steel in vault
3 Steel with interior epoxy lining
4 Steel retrofitted with cathodic protection
5 Steel with cathodic protection
6 Fiberglass coated steel
7 Fiberglass reinforced plastic
9 Equivalent Technology (See Instruction Sheet)

PRODUCT STORED
1 Leaded gasoline
2 Unleaded gasoline
3 Nos. 1, 2 or 4 fuel oil
4 Nos. 5 or 6 fuel oil
5 Kerosene
6 Diesel
7 Other

STATUS
1 In service
2 Temporarily out
3 Permanently out

INSTALLATION DATE
This location
Month/year (mm/yy)

LEAK DETECTION SYSTEM
1 Electronic
2 Vapor well
3 Sampling well
4 In-tank system
5 Other
6 None

SECONDARY CONTAINMENT
1 Diking
2 Vault
3 Double wall tank
4 Underground liner
5 Other
6 None

PRODUCT GAUGE
0 None
1 Gauge

PIPING TYPE
1 Steel/Iron
2 Galvanized Steel
3 Wrapped Steel
4 Fiberglass
5 Cathodically protected
6 Double walled
7 Unknown
8 Copper
9 Other

DISPENSER METHOD
1 Submersible
2 Suction
3 Gravity
4 Loading rack

REGION

April 29, 2013

Mr. Charles Moore, AICP, Director
Rensselaer Planning & Development Agency
City Hall
62 Washington Street
Rensselaer, NY 12144

RE: Hilton Center, Preliminary Site and Building Assessment
CHA Project: 24718-1001

Dear Mr. Moore:

CHA visited the site of the Hilton Center located on Forbes Avenue in the City of Rensselaer on April 25th and 26th. Paul Richards a Senior Code Administrator, completed the initial assessment of building code related issues and John Favreau, a Senior Environmental Scientist, completed the initial Hazardous Waste Assessment. Based on visual observations, our findings are as follows:

A. Site/Property:

1. Access for firefighting equipment is required on all four sides of the buildings. Based on the narrow road on the east elevation along with cars parked along the road, access would be limited. In addition, there is no access at the north end.

2. Fire hydrants are required. Currently there are three hydrants but only one is operational.

3. Designated parking for persons with physical disabilities (handicap) is required. Also, an accessible route is required from parking areas to buildings and spaces throughout the site. Currently, handicap parking and access are not provided.

B. Buildings 5 and 6:

1. Numerous building and fire code violations were found in both buildings. The following violations were typical of both buildings. Approximately 24 individual tenants or spaces were found to occupy the buildings. Not all spaces/rooms were inspected due to locked doors, and the building superintendent not having the necessary keys.

    - No smoke detection system or fire alarm system as required.
    - Fire sprinkler system is not provided as required.
    - Proper fire separations between tenant spaces are not provided.
    - Illuminated exit signs not provided in all spaces.

111 Winners Circle, P.O. Box 5269, Albany, NY 12205-0269
T 518.453.4500 • F 518.458.1735 • www.chacompanies.com

- Emergency lighting is not provided as required.
- Many spaces have no heat.
- Many spaces have no plumbing and/or rest rooms.
- Exit stairwells are not enclosed with fire rated construction as required.
- Fire doors are not provided as required.
- Open electrical boxes with exposed wiring.
- Numerous extension cords are being run from room to room or within rooms in place of permanent wiring.
- Power strips and extension cords are daisy chained together.
- Inadequate lighting in many spaces.
- Distance of travel to an exit is exceeded in some areas.
- Mechanical ventilation not provided as required.
- Electrical wire connections not code compliant.
- Kerosene heater in use as only heat source.
- Excessive fire load (combustibles) in storage areas.
- Furnaces not properly vented to the exterior.
- Inadequate number of exits provided in some spaces.
- Flammable solvents/liquids improperly stored.
- Tanks of compressed gases improperly stored.
- Electrical service cables hanging from ceilings/meters.
- Electric panels not labeled as required.
- Structural deficiencies at lower level masonry block walls.
- Portable fire extinguishers not provided as required.

2. Based on the number of violations as well as the severity (fire hazards, life safety and lack of fire protection) of most, every effort should be made to correct said violations immediately.

3. The above items noted are only a summary of our findings in Building 5, 6 and part of 7. Our final report will be provided once the remaining buildings are inspected.

C. Environmental Related Issues

1. An underground storage tank (UST) was identified adjacent to the south side of Building 4. Stained soil was observed around the vent pipe which extended above the ground surface, indicating a possible overfill of the tank. Based on the odor present, the tank contains fuel oil. The age, capacity, structural integrity and registration status of this tank are unknown. According to the regulatory database report reviewed for the property, there are no registered tanks associated with the site. Further inquiry should be made regarding this tank to obtain the above-referenced information.

2. An underground concrete vessel was identified adjacent to the west side of Building 4. This vessel is identified on historical maps as a "concrete tank". The tank contains an unknown liquid, and the capacity and structural integrity of tank are also unknown. The liquid in the tank should be identified, and if this tank is out of service, it is required to be properly closed.

3. Numerous drums and containers in rusted or otherwise poor condition, containing unknown liquids, were observed within the ground level of Building 5. Several areas of the concrete floor within this building are cracked or otherwise compromised, and in some areas the ground surface is exposed.

4. The City of Rensselaer Code Enforcement representatives observed that several drums and containers of unknown contents had been removed from Building 5 since their previous visit to the site a few weeks ago. The disposition of these drums and containers is unknown.

5. An apparent dumping area for various debris was identified at the northern end of the property. A significant amount of construction and demolition type debris was visible at the ground surface in this area. Based on the appearance of this area in conjunction with documented past actions of the property owner (including the attempted burial of a PCB-contaminated electrical transformer), there is reason to suspect the dumping and/or burial of potential hazardous waste materials in this area. Test pits should be completed in this area to evaluate subsurface conditions and the potential presence of buried debris.

6. Three apparently inactive 275-gallon heating oil tanks were observed within a storage space at the north end of Building 10, amidst other debris. It is unknown whether these tanks are empty. Staining was observed on the concrete floor beneath the tanks and a fuel oil odor was noted.

7. Suspect asbestos containing materials (ACM), including what appeared to be transite wall board and panels of asbestos insulation were observed on the upper floors of several tenant spaces. An asbestos survey should be completed to evaluate the types and quantities of ACM present within the site buildings.

Should you have any questions or require additional information on the noted items, please contact me at (518) 453-3938 or at swilson@chacompanies.com.

Sincerely,

Steven R. Wilson
Vice President

CHA

Appendix I:

Prior Environmental Reports:

Brownfield Application (Labella;2022)
Preliminary Site and Building Assessment (CHA;4/2013)
-Supplemental Phase II ESA Results (Labella;2022)

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION FORM

Is this an application to amend an existing BCA with a major modification? Please refer to the application instructions for further guidance related to BCA amendments. If yes, provide existing site number: _____	○ **Yes** ◉ **No**
Is this a revised submission of an incomplete application? If yes, provide existing site number: _____	○ **Yes** ◉ **No**

BCP App Rev 13

SECTION I: Property Information

PROPOSED SITE NAME: Former Barnet Mills

ADDRESS/LOCATION: 20 Forbes Avenue

CITY/TOWN: Rensselaer | ZIP CODE: 12144

MUNICIPALITY (LIST ALL IF MORE THAN ONE): **City of Rensselaer**

COUNTY: Rensselaer | SITE SIZE (ACRES): 6.33

LATITUDE			LONGITUDE		
42 °	39 ‘	32.4396 “	-73 °	44 ‘	0.2184 “

Provide tax map information for all tax parcels included within the proposed site boundary below. If a portion of any lot is to be included, please indicate as such by inserting “p/o” in front of the lot number in the appropriate box below, and only include the acreage for that portion of the tax parcel in the corresponding acreage column.

ATTACH REQUIRED TAX MAPS PER THE APPLICATION INSTRUCTIONS.

Parcel Address	Section	Block	Lot	Acreage
20 Forbes Avenue, City of Rensselaer, Rensselaer County	133	3	7	6.33

	Y	N
1. Do the proposed site boundaries correspond to tax map metes and bounds? If no, please attach an accurate map of the proposed site including a metes and bounds description.	◉	○
2. Is the required property map provided in electronic format with the application? (Application will not be processed without a map)	◉	○
3. Is the property within a designated Environmental Zone (En-zone) pursuant to Tax Law 21(b)(6)? (See *DEC’s website* for more information) If yes, identify census tract: _____ Percentage of property in En-zone (check one): 0% ◉ 1-49% ○ 50-99% ○ 100% ○	○	◉
4. Is the project located within a disadvantaged community? See application instructions for additional information.	○	◉
5. Is the project located within a NYS Department of State (NYS DOS) Brownfield Opportunity Area (BOA)? See application instructions for additional information.	○	◉

	Y	N
6. Is this application one of multiple applications for a large development project, where the development spans more than 25 acres (see additional criteria in application instructions)? If yes, identify names of properties and site numbers, if available, in related BCP applications: _____	○	◉
7. Is the contamination from groundwater or soil vapor solely emanating from property other than the site subject to the present application?	○	◉
8. Has the property previously been remediated pursuant to Titles 9, 13 or 14 of ECL Article 27, Title 5 of ECL Article 56, or Article 12 of Navigation Law? If yes, attach relevant supporting documentation.	○	◉
9. Are there any lands under water? If yes, these lands should be clearly delineated on the site map.	○	◉
10. Has the property been the subject of or included in a previous BCP application? If yes, please provide the DEC site number: _____	○	◉
11. Is the site currently listed on the Registry of Inactive Hazardous Waste Disposal Sites (Class 2, 3, or 4) or identified as a Potential Site (Class P)? If yes, please provide the DEC site number: _____ Class: ___	○	◉
12. Are there any easements or existing rights-of-way that would preclude remediation in these areas? If yes, identify each here and attach appropriate information. Easement/Right-of-Way Holder — Description	○	◉
13. List of permits issued by the DEC or USEPA relating to the proposed site (describe below or attach appropriate information): Type — Issuing Agency — Description	○	◉
14. Property Description and Environmental Assessment – please refer to the application instructions for the proper format of each narrative requested. Are the Property Description and Environmental Assessment narratives included in the prescribed format?	◉	○

Note: Questions 15 through 17 below pertain ONLY to proposed sites located within the five counties comprising New York City.

	Y	N
15. Is the Requestor seeking a determination that the site is eligible for tangible property tax credits? If yes, Requestor must answer the Supplemental Questions for Sites Seeking Tangible Property Credits Located in New York City ONLY on pages 11-13 of this form.	○	○
16. Is the Requestor now, or will the Requestor in the future, seek a determination that the property is Upside Down?	○	○
17. If you have answered *YES* to Question 16 above, is an independent appraisal of the value of the property, as of the date of application, prepared under the hypothetical condition that the property is not contaminated, included with the application?	○	○

NOTE: If a tangible property tax credit determination is not being requested at the time of application, the applicant may seek this determination at any time before issuance of a Certificate of Completion by using the BCP Amendment Application, except for sites seeking eligibility under the underutilized category.

If any changes to Section I are required prior to application approval, a new page, initialed by each Requestor, must be submitted with the application revisions.
Initials of each Requestor:

_____ _____ _____ _____ _____ _____

SECTION II: Project Description

1. The project will be starting at: (●) Investigation ( ) Remediation

NOTE: If the project is proposed to start at the remediation stage, at a minimum, a Remedial Investigation Report (RIR) must be included, resulting in a 30-day public comment period. If an Alternatives Analysis and Remedial Action Work Plan (RAWP) are also included (see *DER-10, Technical Guidance for Site Investigation and Remediation* for further guidance), then a 45-day public comment period is required.

2. If a final RIR is included, does it meet the requirements in ECL Article 27-1415(2)?

( ) Yes ( ) No (●) N/A

3. Have any draft work plans been submitted with the application (select all that apply)?

[ ] RIWP [ ] RAWP [ ] IRM [✓] No

4. Please provide a short description of the overall project development, including the date that the remedial program is to begin, and the date by which a Certificate of Completion is expected to be issued.
Is this information attached? (●) Yes ( ) No

SECTION III: Land Use Factors

1. What is the property's current municipal zoning designation? Downtown Mixed-Use(MU-1)

2. What uses are allowed by the property's current zoning (select all that apply)?

Residential [✓] Commercial [✓] Industrial [ ]

3. Current use (select all that apply):

Residential [ ] Commercial [ ] Industrial [ ] Recreational [ ] Vacant [✓]

	Y	N
4. Please provide a summary of current business operations or uses, with an emphasis on identifying possible contaminant source areas. If operations or uses have ceased, provide the date by which the site became vacant. Is this summary included with the application?	(●)	( )
5. Reasonably anticipated post-remediation use (check all that apply): Residential [✓] Commercial [✓] Industrial [ ] If residential, does it qualify as single-family housing? ( ) N/A	( )	(●)
6. Please provide a statement detailing the specific proposed post-remediation use. Is this summary attached?	(●)	( )
7. Is the proposed post-remediation use a renewable energy facility? See application instructions for additional information.	( )	(●)
8. Do current and/or recent development patterns support the proposed use?	(●)	( )
9. Is the proposed use consistent with applicable zoning laws/maps? Please provide a brief explanation and additional documentation if necessary.	(●)	( )
10. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, or other adopted land use plans? Please provide a brief explanation and additional documentation if necessary.	(●)	( )

SECTION IV: Property's Environmental History

All applications **must include** an Investigation Report (per ECL 27-1407(1)). The report must be sufficient to establish that contamination of environmental media exists on the site above applicable Standards, Criteria and Guidance (SCGs) based on the reasonably anticipated use of the site property and that the site requires remediation. To the extent that existing information/studies/reports are available to the requestor, please attach the following (***please submit information requested in this section in electronic format ONLY)***:

1. **Reports:** an example of an Investigation Report is a Phase II Environmental Site Assessment report prepared in accordance with the latest American Society for Testing and Materials standard (*ASTM E1903*). **Please submit a separate electronic copy of each report in Portable Document Format (PDF). Please do NOT submit paper copies of ANY supporting documents.**
2. **SAMPLING DATA: INDICATE (BY SELECTING THE OPTIONS BELOW) KNOWN CONTAMINANTS AND THE MEDIA WHICH ARE KNOWN TO HAVE BEEN AFFECTED. DATA SUMMARY TABLES SHOULD BE INCLUDED AS AN ATTACHMENT, WITH LABORATORY REPORTS REFERENCED AND INCLUDED.**

CONTAMINANT CATEGORY	SOIL	GROUNDWATER	SOIL GAS
Petroleum	✓	✓	☐
Chlorinated Solvents	☐	✓	✓
Other VOCs	☐	☐	✓
SVOCs	✓	✓	☐
Metals	✓	☐	☐
Pesticides	☐	☐	☐
PCBs	✓	☐	☐
PFAS	☐	☐	☐
1,4-dioxane	☐	☐	☐
Other – indicated below	☐	☐	☐

*Please describe other known contaminants and the media affected: Free Product - weathered fuel oil

3. For each impacted medium above, include a site drawing indicating:
   - Sample location
   - Date of sampling event
   - Key contaminants and concentration detected
   - For soil, highlight exceedances of reasonably anticipated use
   - For groundwater, highlight exceedances of 6 NYCRR part 703.5
   - For soil gas/soil vapor/indoor air, refer to the NYS Department of Health matrix and highlight exceedances that require mitigation

These drawings are to be representative of all data being relied upon to determine if the site requires remediation under the BCP. Drawings should be no larger than 11"x17" and should only be provided electronically. These drawings should be prepared in accordance with any guidance provided.

Are the required drawings included with this application? ◉ YES ○ NO

4. Indicate Past Land Uses (check all that apply):

☐	Coal Gas Manufacturing	✓	Manufacturing	☐	Agricultural Co-Op	☐	Dry Cleaner
☐	Salvage Yard	☐	Bulk Plant	☐	Pipeline	☐	Service Station
✓	Landfill	☐	Tannery	☐	Electroplating	☐	Unknown

Other: The site was originally constructed in 1873 as the Stroebel Malt House Brewery. In 1905, the facility was purchased by The William Barnet Company and became the William Barnet & Sons All Wool Shoddy Mill, which reclaimed wool scraps from textile mills and restored them into batched wool fabric for resale. A 1915 fire destroyed most of the original mill structure that was re-constructed as a masonry and steel fireproof structure and continued as the Shoddy Mill until the 1960s. The mill facility was thereafter purchased by Hilton Management, LLC, and became The Hilton Center, with portions of the building leased to numerous tenants for a wide spectrum of commercial, industrial and fine arts uses that included an architectural firm, a photography studio, automobile repair, industrial manufacturing of wire products, studio space for musicians, storage space, and numerous other uses. Report landfilling of construction and demolition debris was on the northeastern site area.

SECTION V: Requestor Information			
NAME			
ADDRESS			
CITY/TOWN		ZIP CODE	
PHONE 518-452-8200	EMAIL		

	Y	N
1. Is the requestor authorized to conduct business in New York State (NYS)?	◉	○
2. If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS DOS to conduct business in NYS, the requestor's name must appear, exactly as given above, in the *NYS Department of State's Corporation & Business Entity Database*. A print-out of entity information from the database must be submitted with this application to document that that requestor is authorized to conduct business in NYS. Is this attached?	◉	○
3. If the requestor is an LLC, the names of the members/owners need to be provided on a separate attachment. Is this attached?	◉	○
4. Individuals that will be certifying BCP documents, as well as their employers, must meet the requirements of Section 1.5 of *DER-10: Technical Guidance for Site Investigation and Remediation* and Article 145 of New York State Education Law. Do all individuals that will be certifying documents meet these requirements? **Documents that are not properly certified will not be approved under the BCP.**	◉	○

SECTION VI: Requestor Eligibility		
If answering "yes" to any of the following questions, please provide appropriate explanation and/or documentation as an attachment.		
	Y	N
1. Are any enforcement actions pending against the requestor regarding this site?	○	◉
2. Is the requestor subject to an existing order for the investigation, removal or remediation of contamination at the site?	○	◉
3. Is the requestor subject to an outstanding claim by the Spill Fund for this site? Any questions regarding whether a party is subject to a spill claim should be discussed with the Spill Fund Administrator.	○	◉
4. Has the requestor been determined in an administrative, civil or criminal proceeding to be in violation of (i) any provision of the ECL Article 27; (ii) any order or determination; (iii) any regulation implementing Title 14; or (iv) any similar statute or regulation of the State or Federal government?	○	◉
5. Has the requestor previously been denied entry to the BCP? If so, please provide the site name, address, assigned DEC site number, the reason for denial, and any other relevant information regarding the denied application.	○	◉
6. Has the requestor been found in a civil proceeding to have committed a negligent or intentionally tortious act involving the handling, storing, treating, disposing or transporting of contaminants?	○	◉

SECTION VI: Requestor Eligibility (CONTINUTED)

	Y	N
7. Has the requestor been convicted of a criminal offence (i) involving the handling, storing, treating, disposing or transporting or contaminants; or (ii) that involved a violent felony, fraud, bribery, perjury, theft or offense against public administration (as that term is used in Article 195 of the Penal Law) under Federal law or the laws of any state?	○	◉
8. Has the requestor knowingly falsified statements or concealed material facts in any matter within the jurisdiction of DEC, or submitted a false statement or made use of a false statement in connection with any document or application submitted to DEC?	○	◉
9. Is the requestor an individual or entity of the type set forth in ECL 27-1407.9(f) that committed an act or failed to act, and such act or failure to act could be the basis for denial of a BCP application?	○	◉
10. Was the requestor's participation in any remedial program under DEC's oversight terminated by DEC or by a court for failure to substantially comply with an agreement or order?	○	◉
11. Are there any unregistered bulk storage tanks on-site which require registration?	○	◉

12. THE REQUESTOR MUST CERTIFY THAT HE/SHE IS EITHER A PARTICIPANT OR VOLUNTEER IN ACCORDANCE WITH ECL 27-1405(1) BY CHECKING ONE OF THE BOXES BELOW:

☐ PARTICIPANT A requestor who either (1) was the owner of the site at the time of the disposal of hazardous waste or discharge of petroleum, or (2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.	☑ VOLUNTEER A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum. NOTE: By selecting this option, a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: (i) stop any continuing discharge; (ii) prevent any threatened future release; and, (iii) prevent or limit human, environmental or natural resource exposure to any previously released hazardous waste. **If a requestor whose liability arises solely as a result of ownership, operation of, or involvement with the site, submit a statement describing why you should be considered a volunteer – be specific as to the appropriate care taken.**

13. If the requestor is a volunteer, is a statement describing why the requestor should be considered a volunteer attached?

Yes ◉ No ○ N/A ○

SECTION VI: Requestor Eligibility (CONTINUTED)

14. Requestor relationship to the property (check one; if multiple applicants, check all that apply):

☐ Previous Owner ☐ Current Owner ☑ Potential/Future Purchaser ☐ Other: _____

If the requestor is not the current owner, **proof of site access sufficient to complete remediation must be provided.** Proof must show that the requestor will have access to the property before signing the BCA and throughout the BCP project, including the ability to place an environmental easement on the site.

Is this proof attached? ◉ Yes ○ No

Note: A purchase contract or lease agreement does not suffice as proof of site access.

SECTION VII: Requestor Contact Information

REQUESTOR'S REPRESENTATIVE Jon deForest of BBL Barnett LLC		
ADDRESS 302 Washington Avenue Extension		
CITY Albany		ZIP CODE 12203
PHONE 518-452-8200	EMAIL jdeforest@bblinc.com	
REQUESTOR'S CONSULTANT (CONTACT NAME) Arlette St. Romain		
COMPANY LaBella Associates, P.C.		
ADDRESS 5 McCrea Hill Road		
CITY Ballston Spa		ZIP CODE 12020
PHONE 518-824-1928	EMAIL astromain@labellapc.com	
REQUESTOR'S ATTORNEY (CONTACT NAME) Dean Sommer		
COMPANY Young/Sommer LLC		
ADDRESS 5 Palisades Drive		
CITY Albany		ZIP CODE 12205
PHONE 518.438.9907 Ext. 236	EMAIL dsommer@youngsommer.com	

SECTION VIII: Program Fee		
Upon submission of an executed Brownfield Cleanup Agreement to the Department, the requestor is required to pay a non-refundable program fee of $50,000. Requestors may apply for a fee waiver based on demonstration of financial hardship.		
	Y	**N**
1. Is the requestor applying for a fee waiver based on demonstration of financial hardship?	○	◉
2. If yes, appropriate documentation to demonstrate financial hardship must be provided with the application. See application instructions for additional information. Is the appropriate documentation included with this application?	○	○

SECTION IX: Current Property Owner and Operator Information		
CURRENT OWNER Bath Springs Development Co., LLC		
CONTACT NAME		
ADDRESS 164 COLUMBIA TURNPIKE, SUITE B		
CITY Rensselaer		ZIP CODE 12144
PHONE	EMAIL	
OWNERSHIP START DATE March 29, 2018		
CURRENT OPERATOR N/A Site is not in use		
CONTACT NAME		
ADDRESS		
CITY		ZIP CODE
PHONE	EMAIL	
OPERATION START DATE		

SECTION X: Property Eligibility Information		
	Y	**N**
1. Is/was the property, or any portion of the property, listed on the National Priorities List? If yes, please provide additional information.	○	◉
2. Is/was the property, or any portion of the property, listed on the NYS Registry of Inactive Hazardous Waste Disposal Site pursuant to ECL 27-1305? If yes, please provide the DEC site number: _____ Class: _____	○	◉

SECTION X: Property Eligibility Information (continued)		
	Y	**N**
3. Is/was the property subject to a permit under ECL Article 27, Title 9, other than an Interim Status facility? If yes, please provide: Permit Type: _____ EPA ID Number: _____ Date Permit Issued: _____ Permit Expiration Date: _____	○	◉
4. If the answer to question 2 or 3 above is *YES*, is the site owned by a volunteer as defined under ECL 27-1405(1)(b), or under contract to be transferred to a volunteer? If yes, attach any available information related to previous owners or operators of the facility or property and their financial viability, including any bankruptcy filings and corporate dissolution documents. N/A ◉	○	○
5. Is the property subject to a cleanup order under Navigation Law Article 12 or ECL Article 17 Title 10? If yes, please provide the order number: _____	○	◉
6. Is the property subject to a state or federal enforcement action related to hazardous waste or petroleum? If yes, please provide additional information.	○	◉

SECTION XI: Site Contact List

To be considered complete, the application must include the Brownfield Site Contact List in accordance with *DER-23: Citizen Participation Handbook for Remedial Programs*. Please attach, at a minimum, the names and mailing addresses of the following:

- The chief executive officer and planning board chairperson of each county, city, town and village in which the property is located.
- Residents, owners, and occupants of the property and adjacent properties.
- Local news media from which the community typically obtains information.
- The public water supplier which services the area in which the property is located.
- Any person who has requested to be placed on the contact list.
- The administrator of any school or day care facility located on or near the property.
- The location of a document repository for the project (e.g., local library). **If the site is located in a city with a population of one million or more, add the appropriate community board as an additional document repository.** In addition, attach a copy of an acknowledgement from each repository indicating that it agrees to act as the document repository for the site.

City of Rensselaer population is less than 10,000

SECTION XII: Statement of Certification and Signatures

(By requestor who is an individual)

If this application is approved, I hereby acknowledge and agree: (1) to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter; (2) to the general terms and conditions set forth in the *DER-32, Brownfield Cleanup Program Applications and Agreements*; and (3) that in the event of a conflict between the general terms and conditions of participation and terms contained in a site-specific BCA, the terms in the site-specific BCA shall control. Further, I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

Date: _____ Signature: _____

Print Name: _____

(By a requestor other than an individual)

I hereby affirm that I am Authorized Agent (title) of BBL Bassett LLC (entity); that I am authorized by that entity to make this application and execute a Brownfield Cleanup Agreement (BCA) and all subsequent documents; that this application was prepared by me or under my supervision and direction. If this application is approved, I hereby acknowledge and agree: (1) to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter; (2) to the general terms and conditions set forth in the *DER-32, Brownfield Cleanup Program Applications and Agreements*; and (3) that in the event of a conflict between the general terms and conditions of participation and terms contained in a site-specific BCA, the terms in the site-specific BCA shall control. Further, I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

Date: 10/13/22 Signature: _____

Print Name: Jonathan deForest

SUBMITTAL INFORMATION

- Two (2) copies, one unbound paper copy of the application form with original signatures and table of contents, and one complete electronic copy in final, non-fillable Portable Document Format (PDF), must be sent to:

  Chief, Site Control Section
  New York State Department of Environmental Conservation
  Division of Environmental Remediation
  625 Broadway, 11th Floor
  Albany, NY 12233-7020

PLEASE DO NOT SUBMIT PAPER COPIES OF SUPPORTING DOCUMENTS. Please provide a hard copy of ONLY the application form and a table of contents.

FOR DEC USE ONLY
BCP SITE T&A CODE: _____ **LEAD OFFICE:** _____

FOR SITES SEEKING TANGIBLE PROPERTY CREDITS IN NEW YORK CITY ONLY
Sufficient information to demonstrate that the site meets one or more of the criteria identified in ECL 27-1407(1-a) must be submitted if requestor is seeking this determination.
BCP App Rev 13

Please respond to the questions below and provide additional information and/or documentation as required.	Y	N
1. Is the property located in Bronx, Kings, New York, Queens or Richmond County?	◯	◯
2. Is the requestor seeking a determination that the site is eligible for the tangible property credit component of the brownfield redevelopment tax credit?	◯	◯
3. Is at least 50% of the site area located within an environmental zone pursuant to NYS Tax Law 21(b)(6)?	◯	◯
4. Is the property upside down or underutilized as defined below?		
Upside down	◯	◯
Underutilized	◯	◯

From ECL 27-1405(31):
"Upside down" shall mean a property where the projected and incurred cost of the investigation and remediation which is protective for the anticipated use of the property equals or exceeds seventy-five percent of its independent appraised value, as of the date of submission of the application for participation in the brownfield cleanup program, developed under the hypothetical condition that the property is not contaminated.

From 6 NYCRR 375-3.2(l) as of August 12, 2016 (Please note: Eligibility determination for the underutilized category can only be made at the time of application)**:**
375-3.2:

(l) "Underutilized" means, as of the date of application, real property on which no more than fifty percent of the permissible floor area of the building or buildings is certified by the applicant to have been used under the applicable base zoning for at least three years prior to the application, which zoning has been in effect for at least three years; and
- (1) the proposed use is at least 75 percent for industrial uses; or
- (2) at which:
  - (i) the proposed use is at least 75 percent for commercial or commercial and industrial uses;
  - (ii) the proposed development could not take place without substantial government assistance, as certified by the municipality in which the site is located; and
  - (iii) one or more of the following conditions exists, as certified by the applicant:
    - (a) property tax payments have been in arrears for at least five years immediately prior to the application;
    - (b) a building is presently condemned, or presently exhibits documented structural deficiencies, as certified by a professional engineer, which present a public health or safety hazard; or
    - (c) there are no structures.

"Substantial government assistance" shall mean a substantial loan, grant, land purchase subsidy, land purchase cost exemption or waiver, or tax credit, or some combination thereof, from a governmental entity.

FOR SITES SEEKING TANGIBLE PROPERTY CREDITS IN NEW YORK CITY ONLY (continued)

5. If you are seeking a formal determination as to whether your project is eligible for Tangible Property Tax Credits based in whole or in part on its status as an affordable housing project (defined below), you must attach the regulatory agreement with the appropriate housing agency (typically, these would be with the *New York City Department of Housing, Preservation and Development*; the *New York State Housing Trust Fund Corporation*; the *New York State Department of Housing and Community Renewal*; or the *New York State Housing Finance Agency*, though other entities may be acceptable pending Department review).
   Check appropriate box below:

   ◯ Project is an Affordable Housing Project – regulatory agreement attached

   ◯ Project is planned as Affordable Housing, but agreement is not yet available*
   *Selecting this option will result in a "pending" status. The regulatory agreement will need to be provided to the Department and the Brownfield Cleanup Agreement will need to be amended prior to issuance of the CoC in order for a positive determination to be made.

   ◯ This is not an Affordable Housing Project

From 6 NYCRR 375-3.2(a) as of August 12, 2016:

(a) "Affordable housing project" means, for purposes of this part, title fourteen of article twenty-seven of the environmental conservation law and section twenty-one of the tax law only, a project that is developed for residential use or mixed residential use that must include affordable residential rental units and/or affordable home ownership units.

(1) Affordable residential rental projects under this subdivision must be subject to a federal, state, or local government housing agency's affordable housing program, or a local government's regulatory agreement or legally binding restriction, which defines (i) a percentage of the residential rental units in the affordable housing project to be dedicated to (ii) tenants at a defined maximum percentage of the area median income based on the occupants' household's annual gross income.

(2) Affordable home ownership projects under this subdivision must be subject to a federal, state, or local government housing agency's affordable housing program, or a local government's regulatory agreement or legally binding restriction, which sets affordable units aside for homeowners at a defined maximum percentage of the area median income.

(3) "Area median income" means, for purposes of this subdivision, the area median income for the primary metropolitan statistical area, or for the county if located outside a metropolitan statistical area, as determined by the United States department of housing and urban development, or its successor, for a family of four, as adjusted for family size.

FOR SITES SEEKING TANGIBLE PROPERTY CREDITS IN NEW YORK CITY ONLY (continued)

6. Is the site a planned renewable energy facility site as defined below?

   ◯ Yes – planned renewable energy facility site

   ◯ No – not a planned renewable energy facility site

   If yes, please provide any documentation available to demonstrate that the property is planned to be developed as a renewable energy facility site.

From ECL 27-1405(33) as of April 9, 2022:

"Renewable energy facility site" shall mean real property (a) this is used for a renewable energy system, as defined in section sixty-six-p of the public service law; or (b) any co-located system storing energy generated from such a renewable energy system prior to delivering it to the bulk transmission, sub-transmission, or distribution system.

From Public Service Law Article 4 Section 66-p as of April 23, 2021:

(b) "renewable energy systems" means systems that generate electricity or thermal energy through use of the following technologies: solar thermal, photovoltaics, on land and offshore wind, hydroelectric, geothermal electric, geothermal ground source heat, tidal energy, wave energy, ocean thermal, and fuel cells which do not utilize a fossil fuel resource in the process of generating electricity.

7. Is the site located within a disadvantaged community, within a designated Brownfield Opportunity Area, and meets the conformance determinations pursuant to subdivision ten of section nine-hundred-seventy-r of the general municipal law?

   ◯ Yes

   ◯ No

From ECL 75-0111 as of April 9, 2022:

(5) "Disadvantaged communities" means communities that bear the burdens of negative public health effects, environmental pollution, impacts of climate change, and possess certain socioeconomic criteria, or comprise high-concentrations of low- and moderate-income households, as identified pursuant to section 75-0111 of this article.

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BCP APPLICATION SUMMARY (FOR DEC USE ONLY)			
SITE NAME	SITE ADDRESS		
CITY	COUNTY		ZIP
REQUESTOR NAME	REQUESTOR ADDRESS		
CITY	ZIP	EMAIL	

PROPERTY ADDRESS	SECTION	BLOCK	LOT

REQUESTOR'S REPRESENTATIVE		
NAME	ADDRESS	
CITY	ZIP	EMAIL
REQUESTOR'S ATTORNEY		
NAME	ADDRESS	
CITY	ZIP	EMAIL
REQUESTOR'S CONSULTANT		
NAME	ADDRESS	
CITY	ZIP	EMAIL

REQUESTOR'S REQUESTED STATUS	PARTICIPANT ☐	VOLUNTEER ☐
DEC DETERMINATION	AGREE	DISAGREE

APPLIED FOR FEE WAIVER	YES ◯	NO ◯
ELIGIBLE FOR FEE WAIVER	YES	NO

PERCENTAGE WITHIN AN EN-ZONE	0% ◯	<50% ◯	50-99% ◯	100% ◯
DEC DETERMINATION	AGREE		DISAGREE	

BCP APPLICATION SUMMARY (FOR DEC USE ONLY) (CONTINUED)		
FOR SITES IN NEW YORK CITY ONLY		
IS THE REQUESTOR SEEKING TANGIBLE PROPERTY CREDITS?	YES ◯	NO ◯

UPSIDE DOWN	YES ◯	NO ◯
DEC DETERMINATION	AGREE	DISAGREE

UNDERUTILIZED	YES ◯	NO ◯
DEC DETERMINATION	AGREE	DISAGREE

AFFORDABLE HOUSING STATUS	PLANNED ◯	YES ◯	NO ◯
DEC DETERMINATION		AGREE	DISAGREE

DISADVANTAGED COMMUNITY AND CONFORMING BOA	YES ◯	NO ◯
DEC DETERMINATION	AGREE	DISAGREE

RENEWABLE ENERGY FACILITY SITE	YES ◯	NO ◯
DEC DETERMINATION	AGREE	DISAGREE

NOTES:

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Property Description Narrative (Section I, Item 14)

Location: The Former Barnet Mills Site is located an urban area with commercial and residential uses, and is just east of Hilton Park and Boat Ramp that provides community access to the Hudson River. The Site is 100 to 200 feet southeast of the Hudson River and approximately 1,630 feet southwest of Interstate I-90.

Site Features: Oriented parallel to the Hudson River (northeast to southwest), the southeastern boundary includes wooded land that slopes down towards the developed Site area. The Site includes nine abandoned buildings surrounded by former parking areas and roadway.

Current Zoning and Land Use: The Site is currently inactive and zoned for Downtown Mixed-Use (MU-1). The surrounding parcels are a combination of residential, commercial, and utility lands (e.g., National Grid). Residences are southeast of the Site.

Past Use of the Site: From 1873 until the 1960s, the Site uses included brewery operations, and a wool shoddy mill (which reclaimed wool scraps from textile mills and restored them into batched wool fabric for resale). In the 1960s, the Site buildings began being leased to numerous tenants for a wide spectrum of commercial, industrial, and fine arts uses that included an architectural firm, a photography studio, automobile repair, industrial manufacturing of wire products, studio space for musicians, storage space, and numerous other commercial uses. Landfilling occurred in the northeastern Site area. The Site operations ceased and is currently vacant with abandoned buildings that are not in use.

Initial limited Site remedial efforts included the removal of the two Site USTs in August 2021. An area of petroleum-impacted soil was discovered and excavated following removal of a 20,000-gallon fuel oil UST southwest of Building 1 (open Spill #2104385) but impacted soil and free product remains. Contaminants at differing concentrations are detected across the Site areas.

Site Geology and Hydrogeology: Site soils were observed to include sand and silt with some gravel. Fill material was observed in northeastern Site area test pits and soil borings. Depth to groundwater varied from 3 feet to 16 feet below the ground surface. Groundwater flow across the Site is generally west-northwestward toward the Hudson River with some local variations as indicated on Figure 4 of the October 2021 Draft Phase II ESA. Bedrock was not encountered in borings.

Environmental Assessment:

Based upon investigations conducted to date, the primary contaminants of concern for the site include petroleum (free product), chlorinated VOCs, PCBs, and metals. Further investigation and remedial measures will be needed in order to develop the Site as contemplated by the Applicant Volunteer. Data tables and laboratory reports are provided in a separate pdf.

- Free Product**:** Free product remains in soil and groundwater south and west of Building 1 and was recently observed in June 2022 in monitoring well MW-2.
- Soil**:** At the former 1,000 gallon oil-water separator west of Building 5, SVOCs (PAHs) exceeded Restricted-Residential Use SCOs, with one PAH exceeding its Commercial Use SCO. The highest exceedance is benzo(a)pyrene at 2.9 ppm.
  In the northeastern Site area, where landfilling occurred and buried debris was observed, impacted soil identified the following at concentrations greater than Restricted-Residential SCOs in samples collected between 8 and 10 feet bgs: PCBs (1.3 ppm in TP-1 and 1.83 ppm in TP-11 in

2021 and 1.8 ppm in SB-3 in 2022), lead (552 ppm), chromium (277 ppm), cadmium (3.83 ppm), and barium (476 ppm).

- Groundwater**:** Monitoring well MW-4, west of Building 4, reported 1,1,1-trichloroethane at 32 ppb, greater than the 5 ppb groundwater quality standard. The source of this contaminant was not identified and this constituent was not noted at elevated concentrations in other groundwater samples but was identified in Building 5 subslab vapor sample.
- Soil Vapor**:** The 2021 subslab vapor sampling reported 1,1,1-trichloroethane at 110 ug/m3. While building conditions currently have significant air flow in the interior which prevents indoor air sampling, this concentration would warrant mitigation or monitoring if indoor air samples were 3 ug/m^3 or greater. The source of this contaminant was not identified.

Project Description Narrative (Section II)

The proposed project would rehabilitate existing abandoned textile mill buildings into 72 apartments for non-transient residential occupation and commercial space. The apartments will consist of studio, one-, and two-bedroom apartments, and are planned to include affordable housing. The commercial areas will vary, but are expected to potentially include a restaurant, office and self-storage uses. As part of the redevelopment, one of the current structures (Building 8) is proposed to be demolished. The buildings vary in size and number of stories. The project site is eligible to be listed in the National Register of Historic Places.

The remedial program is anticipated to include removal of soil and fill material to address the free product and soil impacts as well as the installation of a subslab depressurization system. Remedial activities would be performed in conjunction with Site Redevelopment, which is anticipated to begin in the Spring of 2023, depending on BCP status. The goal is to have the Certificate of Completion issued in the Spring of 2024.

Land User Factors (Section III)

1. Zoning and Current Use: The Site has been vacant and inactive since 2018 and is zoned for Downtown Mixed-Use (MU-1). The purpose of the Downtown Mixed-Use District (MU-1) is to accommodate a mix of higher-density residential and commercial uses that will encourage a vibrant, walkable central core consistent with the historic character for the City of Rensselaer. The planned redevelopment includes commercial and residential units consistent with zoning.
2. Anticipated Use: The proposed project would rehabilitate existing abandoned textile mill buildings into 72 apartments for non-transient residential occupation and commercial space. The apartments will consist of studio, one-, and two-bedroom apartments, and are planned to include affordable housing. The commercial areas will potentially be restaurant, office and self-storage uses. As part of the redevelopment, one of the current structures (Building 8) is proposed to be demolished. The buildings vary in size and number of stories. As the project site is eligible to be listed in the National Register of Historic Places, the redevelopment project will largely rehabilitate existing structures.
4. Compliance with Zoning Laws, Recent Development, and Community Master Plans: The proposed project is consistent with zoning laws and the City Master Plan as it will be conducive to small and locally-owned businesses, will provide amenities and high-quality waterfront development near a public park, redevelop an abandoned industrial brownfield property while remediating existing impacts, add options to provide residents with a choice of available housing

costs and unit types, provide associated adequate parking for the development and will include bicycle racks, preserve and protect the City's rich historic resources.

Requestor Information (Section V)

2. Requester is an LLC. NYS Department of State Entity Information for BBL Barnett LLC is attached.

3. Requester is an LLC. The names of the members/owners are provided below:

<table>
<tr><td rowspan="6">BBL Barnett, LLC</td><td rowspan="5">40% LD Exec X, LLC</td><td>20% Fuller Station, LP
• 49.5% Brian Gleason
• 49.5% Shelby Gleason
• 1% 6630 FSR, LLC (100% Kevin Gleason)</td></tr>
<tr><td>30% SWF XV, LLC
• 1% DRL, LLC
• 33 1/3% Slade Led Duke
• 33 1/3% Spencer Led Duke
• 33 1/3% Scott Led Duke</td></tr>
<tr><td>10% DRL, LLC
• 100% DRL Irrevocable Trust (Stephen Obermayer Trustee)
• Mary Louise Led Duke beneficiary</td></tr>
<tr><td>20% Stephen Obermayer</td></tr>
<tr><td>20% Jon Deforest</td></tr>
<tr><td>60% HHT Barnett, LLC</td><td>50% Brian Hart
25% Mark Teliska
25% Russell Hilton</td></tr>
</table>

Requestor Eligibility (Section VI)

13. If the requestor is a volunteer, is a statement describing why the requestor should be considered a volunteer attached?

BBL Barnett LLC will be purchasing the property and is applying as a volunteer. Bath Springs Development Co., LLC has owned the site since March 29, 2018. The current owner and the applicant are not associated with prior owners Hilton Management LLC (2001 to 2018), C.O. Jelliff Company, Inc. (1977 to 2001), The William Barnet Company (1905 to 1977), or Stroebel Malt House Brewery (late 1800s).

Proof of site access sufficient to complete remediation is provided in the following pages.

NYSDOS Entity Information

Department of State
Division of Corporations

Entity Information

Return to Results | Return to Search

Entity Details

ENTITY NAME: BBL BARNETT LLC
FOREIGN LEGAL NAME:
ENTITY TYPE: DOMESTIC LIMITED LIABILITY COMPANY
SECTIONOF LAW: 203 LLC - LIMITED LIABILITY COMPANY LAW
DATE OF INITIAL DOS FILING: 05/10/2021
EFFECTIVE DATE INITIAL FILING: 05/10/2021
FOREIGN FORMATION DATE:
COUNTY: ALBANY
JURISDICTION: NEW YORK, UNITED STATES

DOS ID: 6009824
FICTITIOUS NAME:
DURATION DATE/LATEST DATE OF DISSOLUTION:
ENTITY STATUS: ACTIVE
REASON FOR STATUS:
INACTIVE DATE:
STATEMENT STATUS: CURRENT
NEXT STATEMENT DUE DATE: 05/31/2023
NFP CATEGORY:

ENTITY DISPLAY | NAME HISTORY | FILING HISTORY | MERGER HISTORY | ASSUMED NAME HISTORY

Service of Process Name and Address

Name: THE LLC

Address: 302 WASHINGTON AVENUE EXT., ALBANY, NY, UNITED STATES, 12203

Chief Executive Officer's Name and Address

Name:

Address:

Principal Executive Office Address

Address:

Registered Agent Name and Address

Name:

Address:

Entity Primary Location Name and Address

Name:

Address:

Farmcorpflag

Is The Entity A Farm Corporation: NO

Stock Information

Share Value	Number Of Shares	Value Per Share

Proof of Site Access

PERMISSION FOR PROPERTY ACCESS

Name and address of property:

Current Owner: **BATH SPRINGS DEVELOPMENT CO., LLC a New York limited liability company with an address of 2 Cooper Avenue, Rensselaer, New York 12144**

Address of Property: **20 FORBES AVENUE, CITY OF RENSSELAER, COUNTY OF RENSSELAER, STATE OF NEW YORK**

Tax Map No: **133.-3-7 and 133.69-1-2**

I am an authorized representative of **BATH SPRINGS DEVELOPMENT CO., LLC** ("Current Owner") and have the authority to grant access to the property listed above. I give my permission to the BCP Volunteer **BBL BARNETT LLC**, ("BCP Volunteer") a New York limited liability company with an address of 302 Washington Avenue Extension, Albany, New York 12203, its employees, representatives, consultants or contractors, and regulatory oversight personnel, to cross over Current Owner's property listed above with persons, field vehicles, equipment, waste, samples, etc. to conduct remedial activities associated with the property to be investigated, remediated, and redeveloped by the Volunteer. This access Agreement is intended to provide on-going access to BCP Volunteer to implement all work necessary to comply with BCP obligations and to obtain a Certificate of Completion.

In addition, and in consideration of the commitments set forth below, Current Owner gives authorization and permission to BCP Volunteer, its employees, representatives, consultants, or contractors, to conduct, install and maintain investigation infrastructure and remediation infrastructure and other remediation associated activities.

BCP Volunteer agrees to reimburse Current Owner up to $1,500.00 for any costs or expenses, including legal fees, associated with the entering into and implementation of this Agreement.

All work performed by BCP Volunteer shall be done in a good and workmanlike manner so as not to cause any damage to Volunteer and/or to the Current Owner, Property or to unreasonably interfere with the use of the Current Owner's Property. BCP Volunteer will notify Current Owner prior to any excavation and installation work performed on the Property and Current Owner will be advised when BCP associated activities are scheduled.

BCP Volunteer's general contractor/construction manager for the work is BBL Construction Services LLC ("BBL"). BBL has not yet engaged subcontractors to perform the work. BBL and all subcontractors will carry the following types of insurance (with limits no less than as shown below):

a. Workers' compensation insurance fully covering all employees engaged by the BCP Volunteer in the performance of the work described and contemplated in the Agreement, in accordance with New York State Law.

b. Comprehensive general liability insurance, including bodily injury and property damage with limits of liability not less than two million dollars ($2,000,000) for any one occurrence, accident or disaster with an aggregate of not less than one million dollars ($1,000,000) naming the BCP Volunteer and Current Owner as additional insureds. BCP Volunteer's contractors shall furnish to Current Owner certificates or receipts showing that the insurance is in force.

This Agreement shall be binding upon and shall inure to the benefit of BCP Volunteer, Current Owner, and their respective successors and permitted assigns. This Agreement constitutes the entire agreement between the parties, may not be modified or amended except in writing and the rights or obligations hereunder may not be transferred without the prior written consent of the parties hereto.

BATH SPRINGS DEVELOPMENT CO., LLC

Signature: _____
Name: Brian Hart
Title: VP
Date: 10-7-2022
Phone: 518-857-0200

Please sign and return to:

BBL BARNETT LLC
302 Washington Avenue Extension
Albany, New York 12203
Attn: _____

Project Contacts and Locations of Reports and Information

Site: 20 Forbes Ave, City of Rensselaer, Rensselaer County

Locations of Reports and Information

The facilities identified below are being used to provide the public with convenient access to important project documents:

Rensselaer Public Library 676 East St, Rensselaer, NY 12144 Phone: (518) 462-1193	Hours: 9am-9pm on Monday, Tuesday, Thursday; 11am-9pm Wednesday; 9am -5pm Friday; 10am-5pm Saturday (summer 10am-2pm); 1pm-4pm Sunday (closed in summer)
New York State Department of NYSDEC Central Office 625 Broadway Albany, NY 12233-0001	

Site Contact List

NYSDEC	NYSDOH
New York State Department of NYSDEC Central Office 625 Broadway Albany, NY 12233-0001	New York State Department of Health Empire State Plaza Corning Tower Room 1787 Albany, NY 12237

Table B-1: Chief Executive Officers and Planning Board Chairpersons

Department	Street Address
Robert Pasinella, Director Rensselaer County Economic Development and Planning	1600 7th Avenue Troy, NY 12180
Rensselaer County Executive Attn: Mr. Steve McLaughlin	1600 7th Avenue Troy, NY 12180
Ketura Vics, Director of Planning and Development	62 Washington Street Rensselaer, NY 12144
Mayor Michael Stammel	62 Washington Street Rensselaer, NY 12144
City Clerk Nancy Hardt	62 Washington Street Rensselaer, NY 12144

Table B-2: Media

	Department	Street Address	City/Town	State	Zip Code
Television	Channel 10 WTEN (ABC)	341 Northern Boulevard	Albany	NY	12204
	Channel 13 WNYT (NBC)	15 North Pearl Street	Albany	NY	12207
	Capital News 9	104 Watervliet Avenue Extension	Albany	NY	12206
	WRGB (CBS)	1400 Balltown Road	Schenectady	NY	12309
	Channel 23 WXXA (Fox)	28 Corporate Circle	Albany	NY	12203
Radio	WXJB 95.5 FM	6 Johnson Road	Latham	NY	12110
	WPYX 106.5 FM	1203 Troy-Schenectady Rd	Latham	NY	12110
	WKLI 100.9 FM	6 Johnson Road	Latham	NY	12110
	WAMC Northeast Public Radio	P.O. Box 66600	Albany	NY	12206
Publications/ Websites	Albany Times Union	45 Albany-Shaker Road	Albany	NY	12211

Table B-3: Public Water Supplier

Public Water Supplier	Street Address	Phone and Fax
Rensselaer Water Department	505 Broadway, Rensselaer, NY 12144	Phone (518) 462-6466

Table B-4: Schools or day care facilities were identified within 2,000 feet of the Site.

Facility Name/Administrator	Street Address	Phone	Distance and Direction
CEOs Rensselaer Family Resource Center (Head Start, Early Head Start, Universal Pre-Kindergarten)	1641 3rd St Rensselaer NY 12144	(518) 694-9915	700 feet to the east-southeast
Doane Stuart School	199 Washington Ave Rensselaer NY 12144	(518) 465-5222	Adjoining property to east; site is ~1100 feet to school building

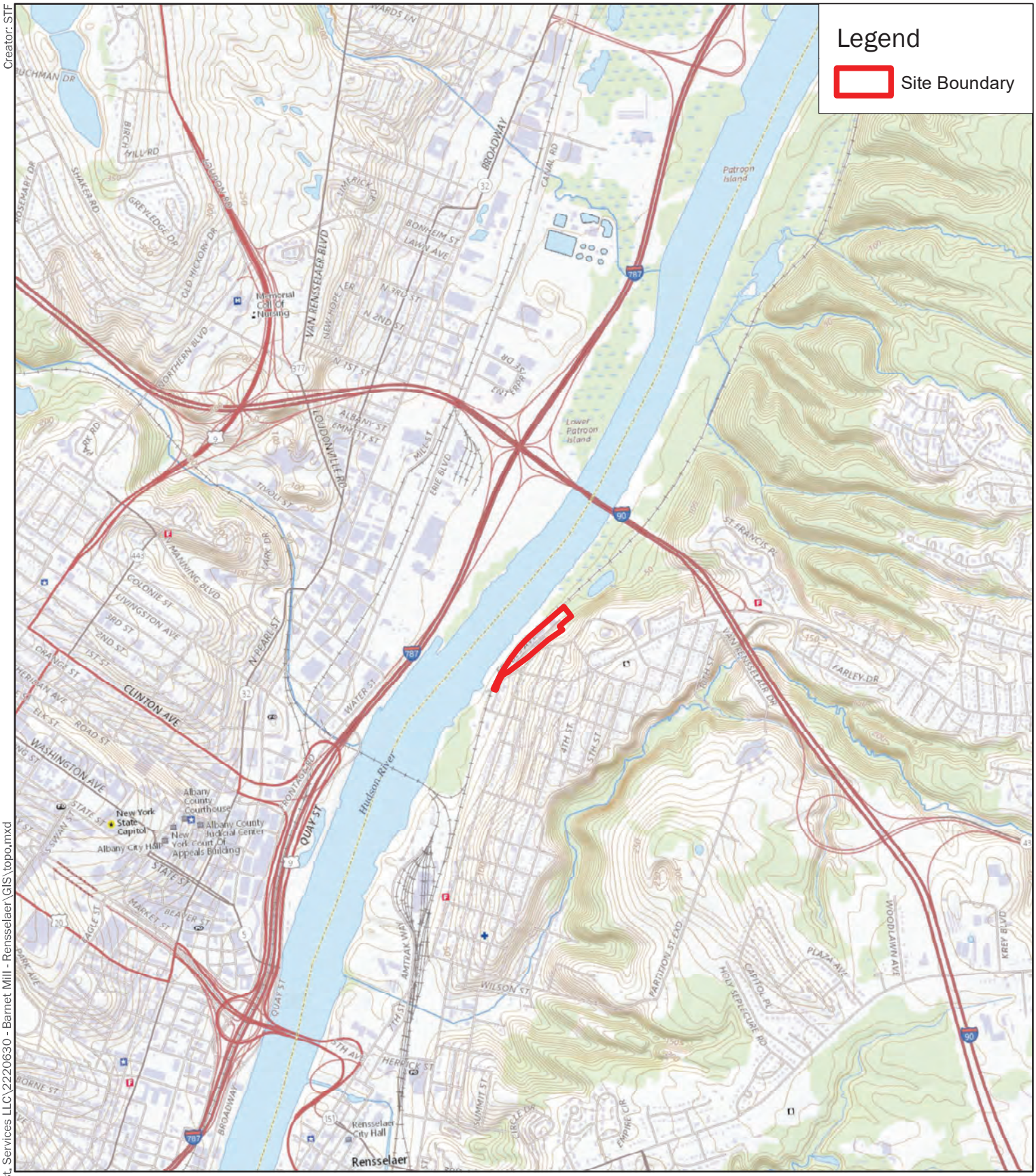
Table B-5: Properties Adjoining the Site

Property Owner	Address	Parcel number	Direction from

			site
New York Central Lines LLC	Mailing: 500 Water St (J-910) Jacksonville FL 32202	143.44-1-2	Adjoining to north and west
National Grid	Mailing: 300 Erie Boulevard West Bldg D-G Syracuse NY 13202	133.-3-2	Adjoining to northeast
Doane Stuart School	199 Washington Ave Rensselaer NY 12144	133.-3-8	Adjoining to northeast
Forbes Road LLC	52 S Main St Castleton NY 12033	133.-3-9	Adjoining to East
Nicholas Retos	66 Bellview Terrace Rensselaer NY 12144	133.70-1-1	Adjoining to East
Michelle Cipriano	64 Bellview Terrace Rensselaer NY 12144	133.70-1-14	Adjoining to East
Thomas Carney, Jr.	103 Forbes Ave Rensselaer, NY 12144	133.69-3-1	Adjoining to East
None listed	101 Forbes Ave Rensselaer, NY 12144	133.69-3-4	Adjoining to East
Bath Springs LLC	1 Washington Ave Rensselaer, NY 12144	133.69-3-3	Adjoining to East
Luigi Gigliotti	1640 Broadway Rensselaer, NY 12411	133.77-5-1	Adjoining to East
Christine Peterson	1633 Broadway Rensselaer, NY 12411	133.77-4-2	Adjoining to East
Edward Kosinski	25 Forbes Ave Rensselaer, NY 12144	133.77-4-1	Adjoining to East
Douglas Watson	23 Forbes Ave Rensselaer, NY 12144	133.77-4-11	Adjoining to East
Brandon Lightbody	1627 Broadway Rensselaer, NY 12411	133.77-4-3	Adjoining to East
City of Rensselaer	17 Forbes Ave Rensselaer, NY 12144	133.77-4-9	Adjoining to East
KS Properties of Rensselaer	15A Forbes Ave Rensselaer, NY 12144	133.77-4-8	Adjoining to East
Raymond Hull, Jr	15 Forbes Ave Rensselaer, NY 12144	133.77-4-7	Adjoining to East
Bath Springs LLC	11 Forbes Ave Rensselaer, NY 12144	133.77-3-1	Adjoining to East

List of Figures

1a – USGS Topographic Map
1b – Tax Map
1c - Barnet Mills Redevelopment Plan
1d - Site Sketch Plan (Sheet C100)
2 - 2021 Site Survey
3- Subslab Soil Vapor Sample Locations with Results Callouts Added (from Alpine's Draft Phase II Figure 3)
4 - Soil Sample Results with Comparisons to NYSDEC Part 375 Soil Cleanup Objectives for Restricted-Residential Use and Commercial Use (Draft Phase II Figure 6)
5 - Groundwater Sample Results with Comparisons to NYSDEC Groundwater Quality Standards (Draft Phase II Figure 5)
6 – Groundwater Elevation Contours (from Draft Phase II Figure 4)



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LaBella
Powered by partnership

BBL Constructoin Services

N

1 inch = 2,000 feet

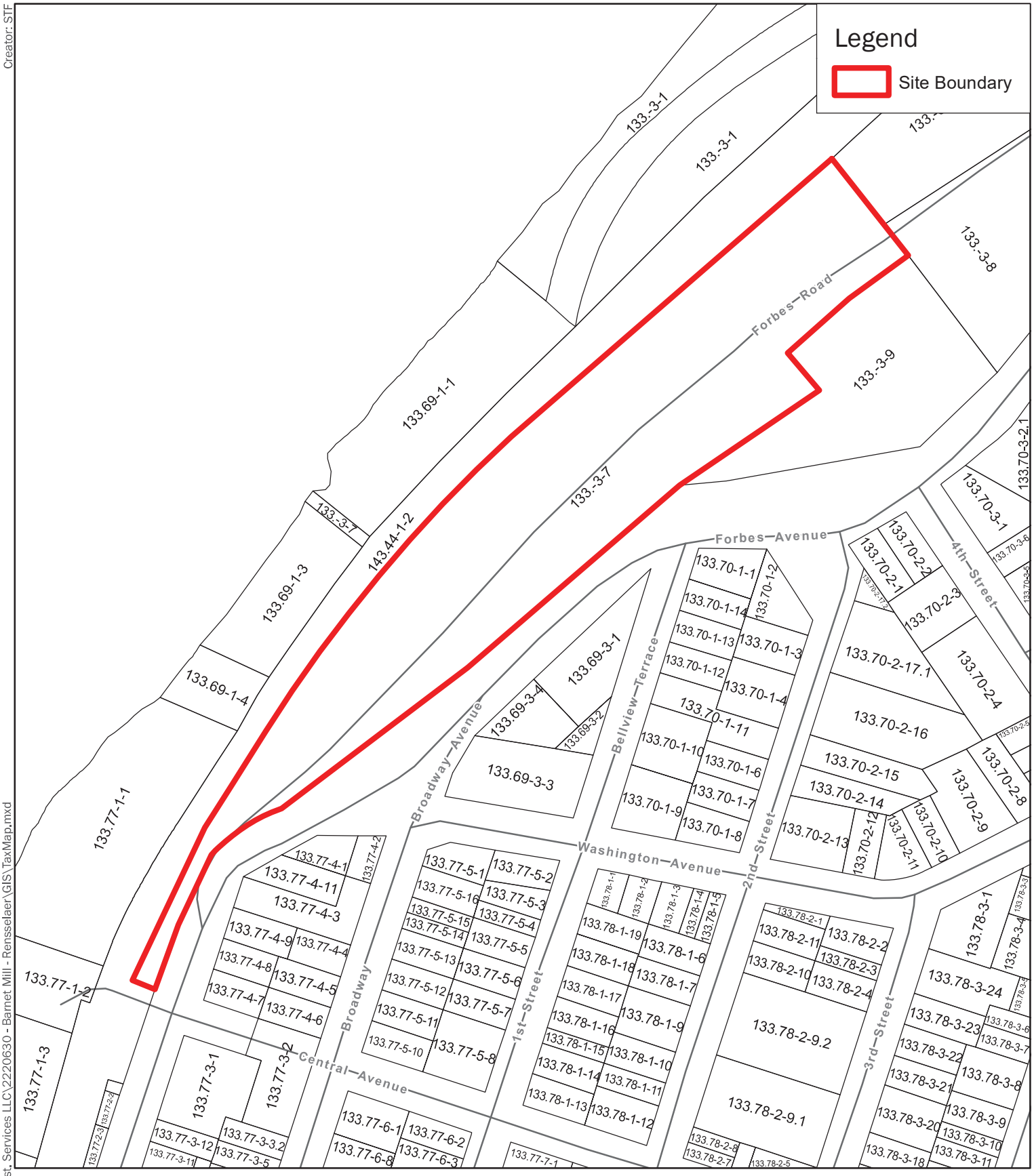
Barnet Mills

LaBella Project No: 2220630

Date: 9/13/2022

USGS Topographic Map

FIGURE 1a



Creator: STF

Path: B:\ALB\PROJECTS\BBL Const. Services LLC\2220630 - Barnet Mill - Rensselaer\GIS\TaxMap.mxd

0 75 Feet

1 inch = 200 feet

N

LaBella
Powered by partnership

BBL Constructoin Services

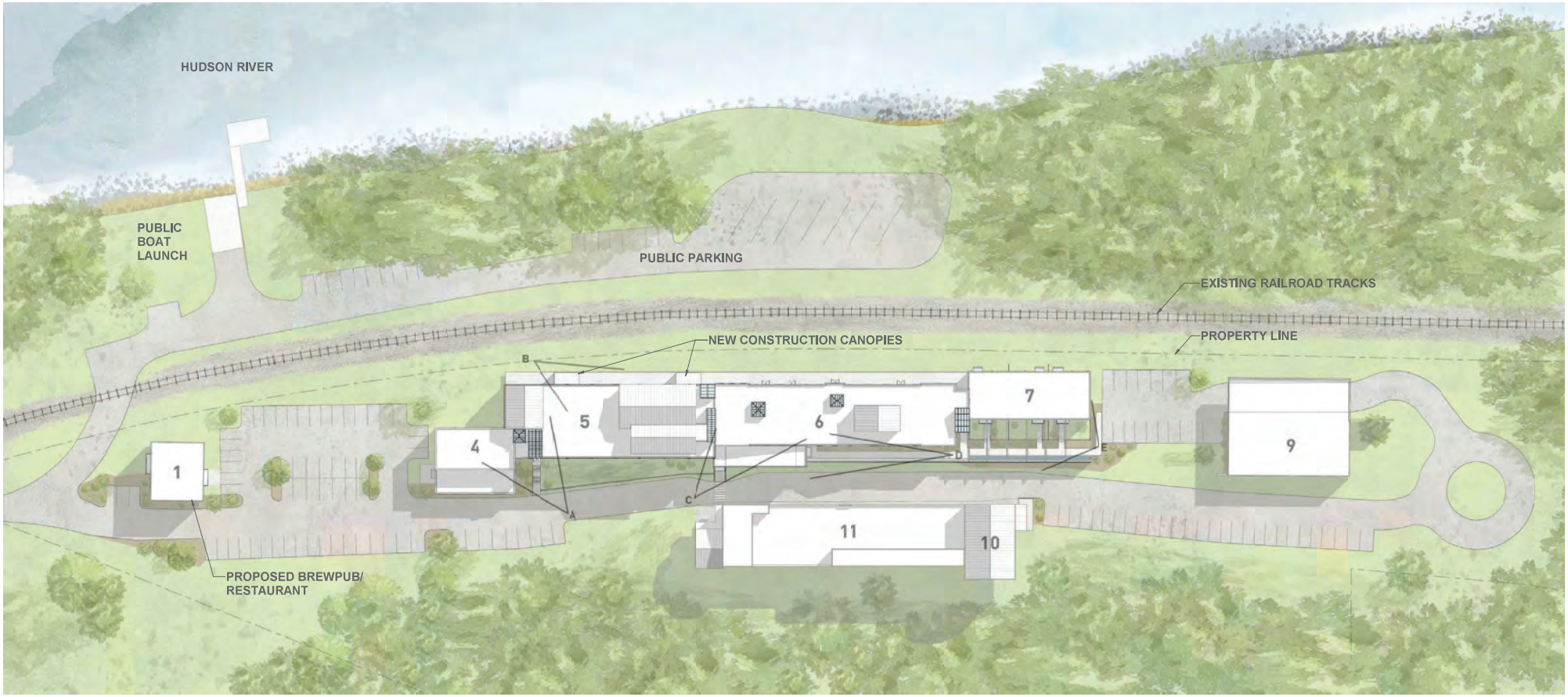
Barnet Mills

LaBella Project No: 2220630

Date: 9/13/2022

Tax Map

FIGURE 1b



A

B

C

D

E

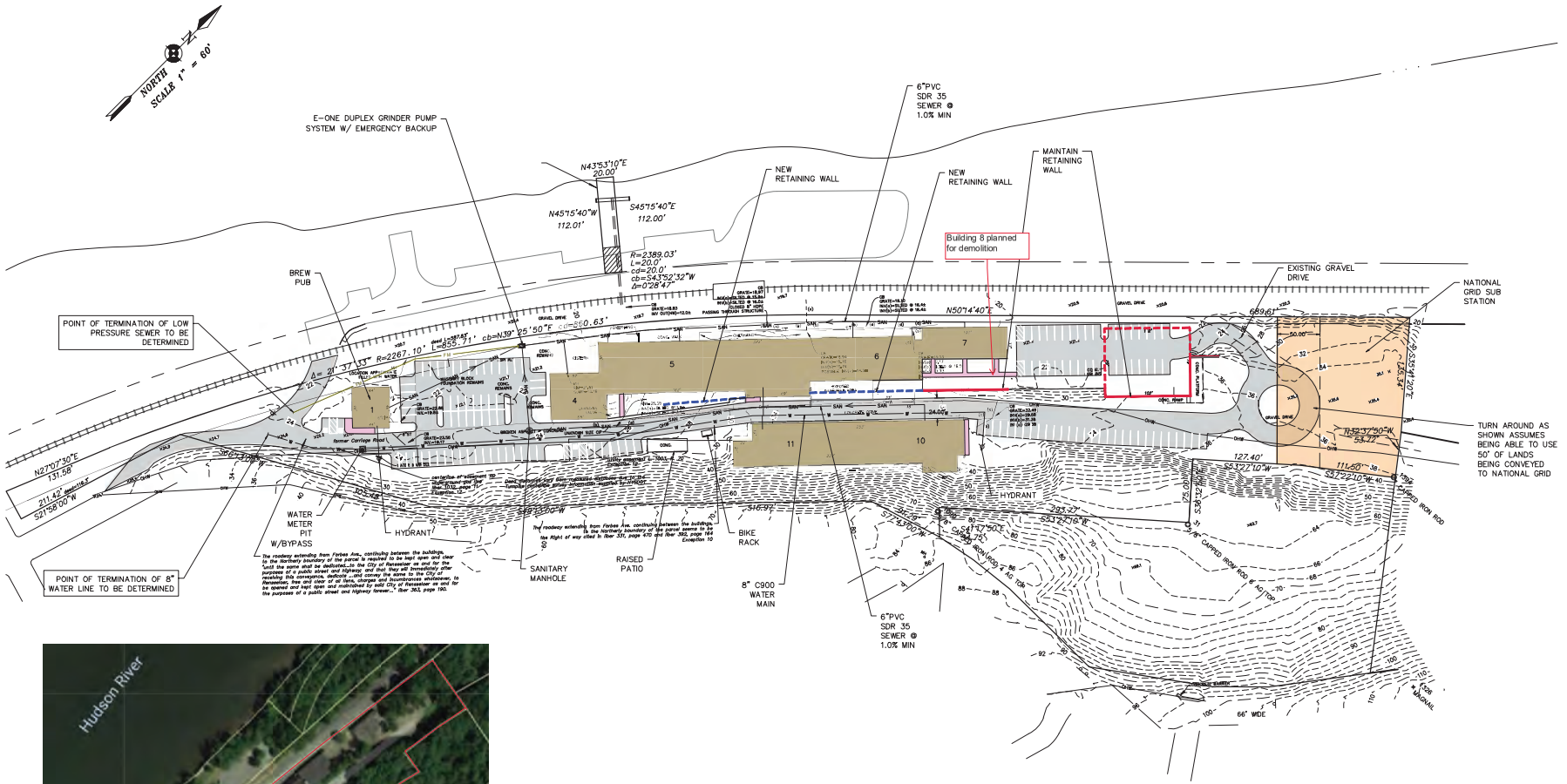
hbt ARCHITECTS

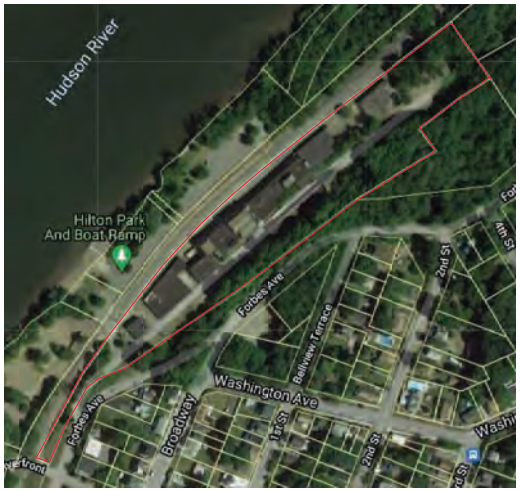
RENDERED SITE PLAN AND VIGNETTES
MARCH 18, 2022

BARNET MILLS REDEVELOPMENT

BBL CONSTRUCTION

FIGURE 1c Barnet Mills Redevelopement Plan





SKETCH PLAN
SCALE : 1" = 60'

0 60 120 180 FT
1" = 60' SCALE BAR

FIGURE 1d Site Sketch Plan (Sheet C100)

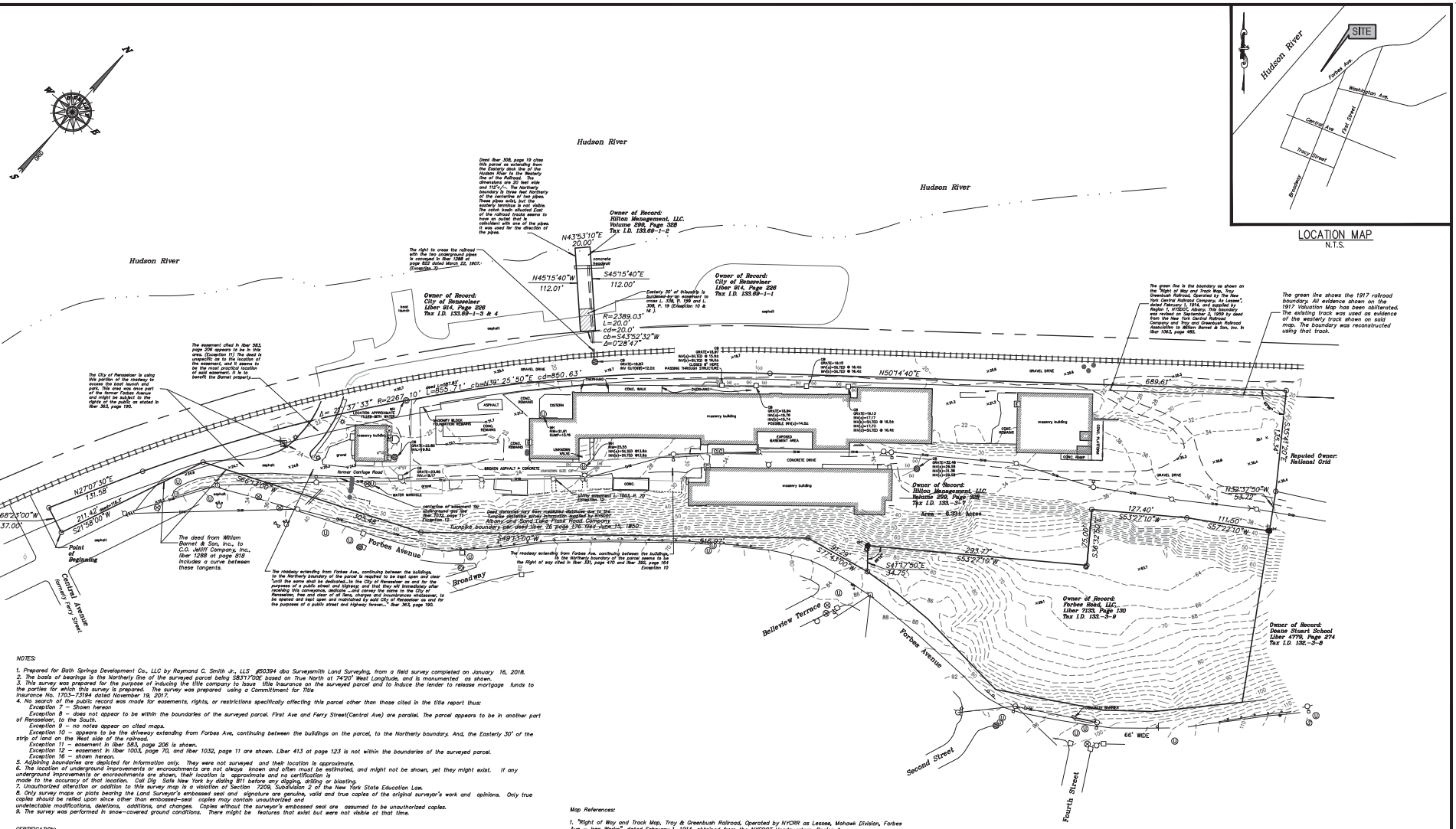
Drawing Copyright ©2018 HART ENGINEERING. In addition to this protection, pursuant to Title 17 USC Section 1202 of the New York State Education Law.
Only copies from the original drawings that have the original signature in red ink of the professional engineer or architect shall be considered to be true and valid copies.

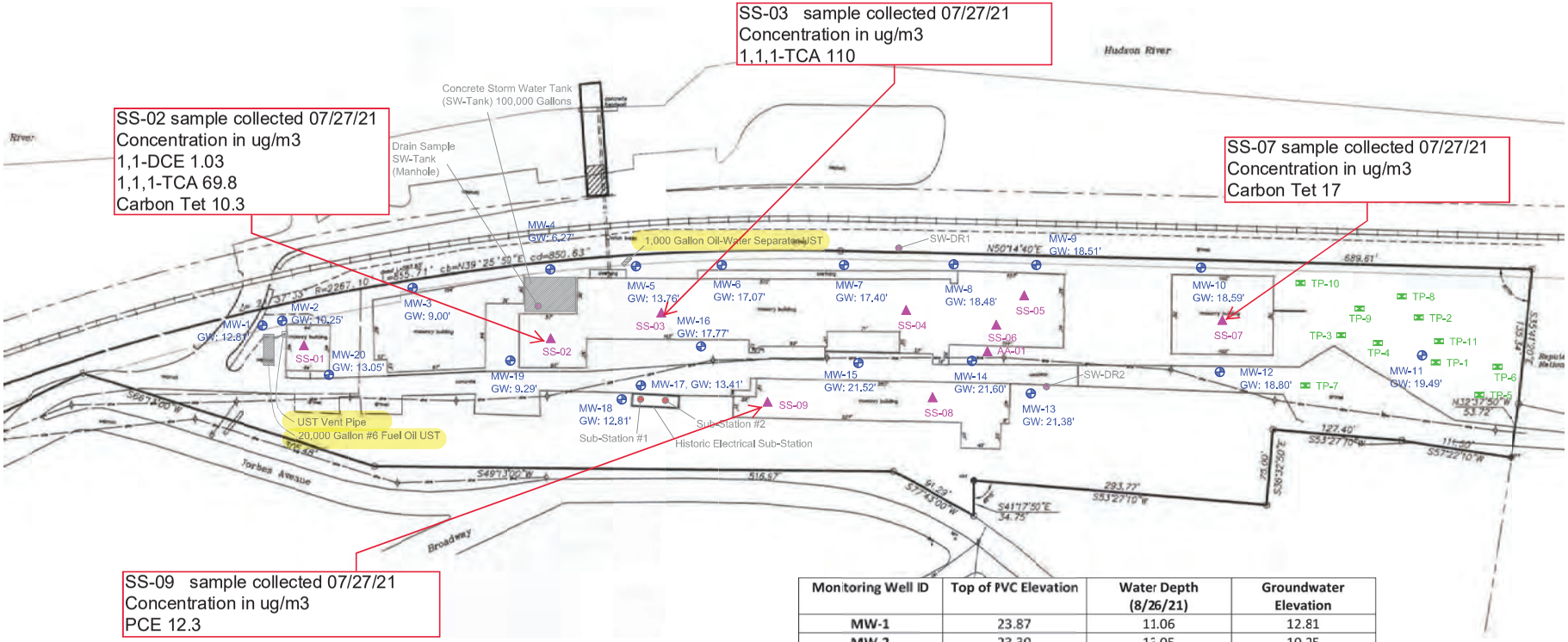
HART ENGINEERING
1969 FERNDALE ROAD
CASTLETON NY, 12033
Phone: (518) 479-4014
Fax: (518) 477-8371
STEVEN P. HART, P.E. #080639

NO.	DATE	DESCRIPTION	REVD.	CK'D

SKETCH PLAN
BARNETT MILLS
FORBES AVE
CITY: RENSSELAER | COUNTY: RENSSELAER | STATE: NEW YORK

ENGINEER: STEVEN P. HART, P.E.
DRAWN BY: DAH
DATE ISSUED: SEPTEMBER 24, 2021
SCALE: 1" = 60'
DRAWING NUMBER: C100
1 OF 1


Hudson River
Hudson River
Hudson River
Owner of Record:
Hilton Management, LLC.
Volume 299, Page 328
Tax I.D. 133.69-1-2
Owner of Record:
City of Rensselaer
Liber 814, Page 226
Tax I.D. 133.69-1-3 & 4
Owner of Record:
City of Rensselaer
Liber 814, Page 226
Tax I.D. 133.69-1-1
Owner of Record:
Hilton Management, LLC
Volume 299, Page 328
Tax I.D. 132.-3-9
Area = 8.331± Acres
Owner of Record:
Forbes Road, LLC.
Liber 7125, Page 130
Tax I.D. 133.-3-9
Owner of Record:
Deane Stuart School
Liber 4779, Page 274
Tax I.D. 132.-3-8
Reputed Owner:
National Grid
Point of Beginning
Forbes Avenue
Broadway
Central Avenue
formerly Ferry Street
Belleview Terrace
Second Street
Fourth Street
66' WIDE
N43°53'10"E 20.00'
N45°15'40"W 112.01'
S45°15'40"E 112.00'
R=2389.03'
L=20.0'
cd=20.0'
cb=S43°52'32"W
Δ=0°28'47"
N50°14'40"E 689.61'
S35°55'20"E 2.74'
N32°37'50"W 53.12'
S57°22'10"W 111.50'
S36°32'50"E 75.00'
S53°27'10"W 127.40'
S41°47'50"E 34.75'
S53°27'10"W 294.77'
S17°43'00"W 34.26'
S49°13'00"W 516.87'
S40°47'00"W 305.48'
N27°07'30"E 131.58'
211.42' more or less
S21°58'00"W 37.00'
N68°23'00"W
Δ=21°37'33" R=2267.10' L=855.71' ch=N39°25'50"E cd=850.63'
Easterly 30' of Westerly 34' Easement-by-an easement to cross L. 256, P. 159 and L. 306, P. 19 (Exception 10 & 14).
The right to cross the railroad with a 24" diameter drain pipe is conveyed in Liber 1260 at page 622 dated March 22, 1907.- (Exception 7)
Deed liber 306, page 19 cites this parcel as extending from the Northerly line of the City to Hudson River to the Westerly line of the Railroad. The dimensions are 20 feet wide and 112'+/-. The Northerly boundary is three feet Northerly of the centerline of two pipes. The pipes are 24" and 12". A masonry terminus is not visible. The catch basin situated East of the railroad tracks seems to have an outlet that is coincident with one of the pipes. It was used for the direction of the pipes.
The easement cited in liber 583, page 206 appears to be in this area. (Exception 11) The deed is unspecific as to the location of the easement, and it seems to be the most practical location of said easement. It is to benefit the Barnet property.
The City of Rensselaer is using this portion of the roadway to access the boat launch and park. This area was once part of the Ferry Street right-of-way and might be subject to the rights of the public as stated in liber 363, page 190.
The deed from William Barnet & Son, Inc., to C.O. Jelliff Company, Inc., liber 1268 at page 816 includes a curve between these tangents.
The roadway extending from Forbes Ave., continuing between the buildings, to the Northerly boundary of the parcel is required to be kept open and clear until the same shall be dedicated, to the City of Rensselaer as and for the purposes of a public street and highway forever... liber 363, page 192.
The roadway extending from Forbes Ave. continuing between the buildings, to the Northerly boundary of the parcel seems to be the Right of way cited in liber 331, page 470 and liber 382, page 164 Exception 10
The green line is the boundary as shown on the "Right of Way and Track Map, Troy Greenbush Railroad, Operated by the New York Central Railroad Company, As Lessee", dated February 1, 1914, and supplied by Region 1, NYSDOT, Albany. This boundary was revised on September 3, 1959 by deed from the New York Central Railroad Company and Troy and Greenbush Railroad Association to William Barnet & Son, Inc. in liber 1063, page 486.
The green line shows the 1917 railroad boundary. All evidence shown on the 1917 Valuation Map has been obliterated. The existing track was used as evidence of the westerly track shown on said map. The boundary was reconstructed using that track.
Lot 1 Area = 1.043 ± Ac.
Deed statements vary from monument evidence due to the irregular distance along Monument Avenue to NYSDOT Albany and Sand Lake Plank Road Company
Lunches boundary per deed liber 76, page 376, 1849 -June 15, 1850-
Lot 2 Area = 7.288 ± Ac.
Lot 3 Area = 0.000 ± Ac.
Lot 4 Area = 0.000 ± Ac.
Lot 5 Area = 0.000 ± Ac.
Lot 6 Area = 0.000 ± Ac.
Lot 7 Area = 0.000 ± Ac.
Lot



Monitoring Well ID	Top of PVC Elevation	Water Depth (8/26/21)	Groundwater Elevation
MW-1	23.87	11.06	12.81
MW-2	23.30	13.05	10.25
MW-3	21.40	12.40	9.00
MW-4	20.18	13.91	6.27
MW-5	20.20	6.44	13.76
MW-6	19.87	2.80	17.07
MW-7	19.65	2.25	17.40
MW-8	19.74	1.26	18.48
MW-9	20.30	1.73	18.57
Mw-10	21.93	3.34	18.59
Mw-11	35.39	15.90	19.49
MW-12	34.65	15.85	18.80
MW-13	33.77	12.39	21.38
MW-14	34.52	12.92	21.60
MW-15	35.75	14.23	21.52
MW-16	27.94	10.17	17.77
MW-17	27.16	13.75	13.41
MW-18	27.16	14.35	12.81
MW-19	21.90	12.61	9.29
MW-20	24.32	11.27	13.05

LEGEND:

- MONITORING WELL LOCATION AND NUMBER
- SOIL GAS SAMPLE LOCATION AND NUMBER
- TEST PIT LOCATION AND NUMBER
- SOIL SAMPLE LOCATION
- DRAIN SAMPLE LOCATION

Red outlined notationsadded by LaBella

Alpine Inc. ENVIRONMENTAL SERVICES

DATE: September 2021

Barnet Mills
20 Forbes Avenue
Rensselaer, New York

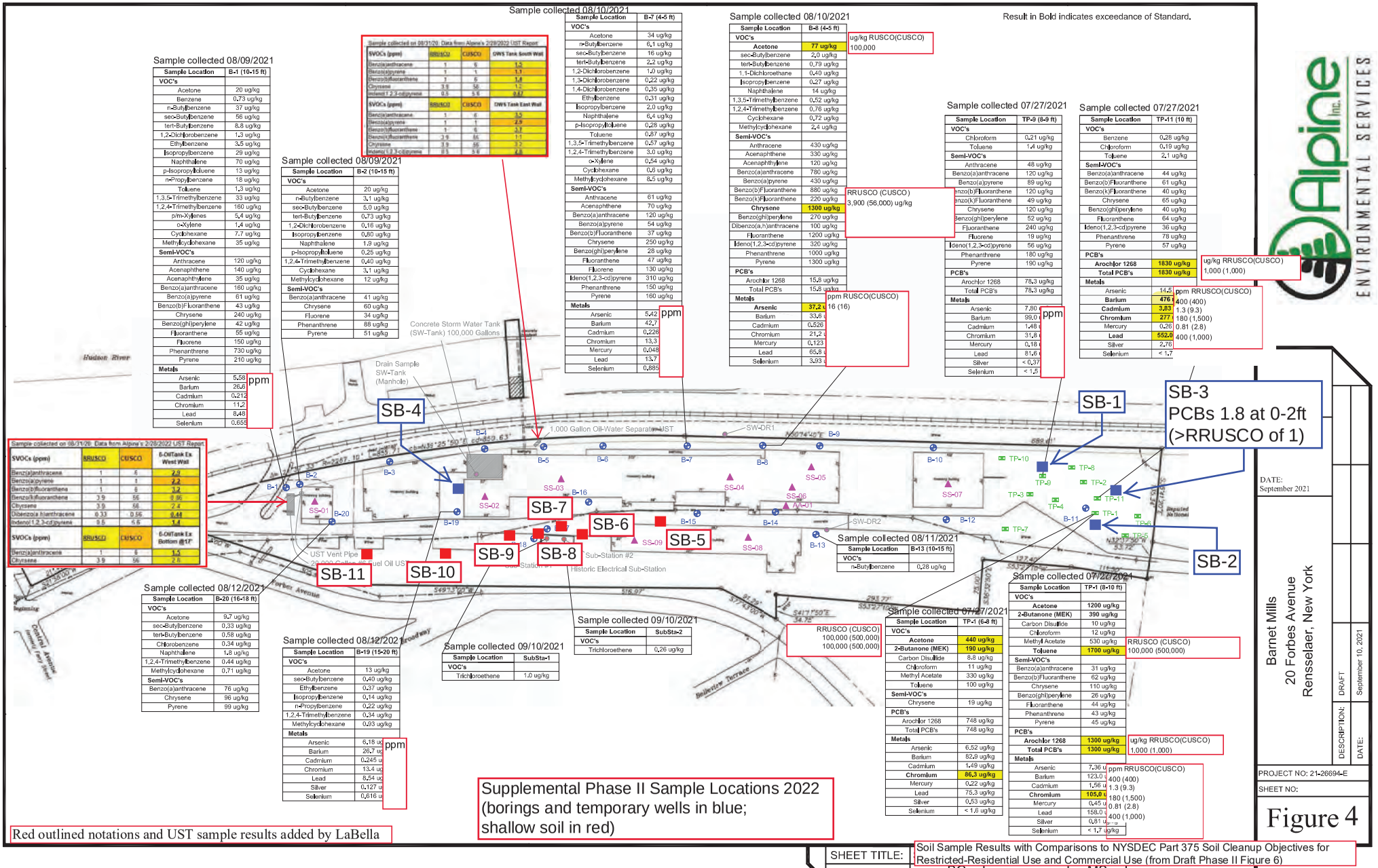
DESCRIPTION:	DRAFT
DATE:	September 10, 2021

PROJECT NO: 21-26694-E

SHEET NO:

Figure 3

SHEET TITLE:	Subslab Vapor Sample Locations with Results Callouts Added (from Draft Phase II Figure 3)		
DRAWN BY:	BG	CHECKED BY:	MS



Sample Location	B-1 (10-15 ft)
VOC's	
Acetone	20 ug/kg
Benzene	0.73 ug/kg
n-Butylbenzene	37 ug/kg
sec-Butylbenzene	56 ug/kg
tert-Butylbenzene	8.8 ug/kg
1,2-Dichlorobenzene	1.3 ug/kg
Ethylbenzene	3.5 ug/kg
Isopropylbenzene	29 ug/kg
Naphthalene	70 ug/kg
p-Isopropyltoluene	13 ug/kg
n-Propylbenzene	18 ug/kg
Toluene	1.3 ug/kg
1,3,5-Trimethylbenzene	33 ug/kg
1,2,4-Trimethylbenzene	160 ug/kg
p/m-Xylenes	5.4 ug/kg
o-Xylene	1.4 ug/kg
Cyclohexane	7.7 ug/kg
Methylcyclohexane	35 ug/kg
Semi-VOC's	
Anthracene	120 ug/kg
Acenaphthene	140 ug/kg
Acenaphthylene	35 ug/kg
Benzo(a)anthracene	160 ug/kg
Benzo(a)pyrene	61 ug/kg
Benzo(b)Fluoranthene	43 ug/kg
Chrysene	240 ug/kg
Benzo(ghi)perylene	42 ug/kg
Fluoranthene	55 ug/kg
Fluorene	150 ug/kg
Phenanthrene	730 ug/kg
Pyrene	210 ug/kg
Metals	
Arsenic	5.58
Barium	26.6
Cadmium	0.212
Chromium	11.2
Lead	8.48
Selenium	0.655

ppm

Sample Location	B-2 (10-15 ft)
VOC's	
Acetone	20 ug/kg
n-Butylbenzene	3.1 ug/kg
sec-Butylbenzene	5.0 ug/kg
tert-Butylbenzene	0.73 ug/kg
1,2-Dichlorobenzene	0.16 ug/kg
Isopropylbenzene	0.80 ug/kg
Naphthalene	1.9 ug/kg
p-Isopropyltoluene	0.25 ug/kg
1,2,4-Trimethylbenzene	0.40 ug/kg
Cyclohexane	3.1 ug/kg
Methylcyclohexane	12 ug/kg
Semi-VOC's	
Benzo(a)anthracene	41 ug/kg
Chrysene	60 ug/kg
Fluorene	34 ug/kg
Phenanthrene	88 ug/kg
Pyrene	51 ug/kg

Sample Location	B-7 (4-5 ft)
VOC's	
Acetone	34 ug/kg
n-Butylbenzene	6.1 ug/kg
sec-Butylbenzene	16 ug/kg
tert-Butylbenzene	2.2 ug/kg
1,2-Dichlorobenzene	1.0 ug/kg
1,3-Dichlorobenzene	0.22 ug/kg
1,4-Dichlorobenzene	0.35 ug/kg
Ethylbenzene	0.31 ug/kg
Isopropylbenzene	2.0 ug/kg
Naphthalene	6.4 ug/kg
p-Isopropyltoluene	0.28 ug/kg
Toluene	0.87 ug/kg
1,3,5-Trimethylbenzene	0.57 ug/kg
1,2,4-Trimethylbenzene	3.0 ug/kg
o-Xylene	0.54 ug/kg
Cyclohexane	0.6 ug/kg
Methylcyclohexane	8.5 ug/kg
Semi-VOC's	
Anthracene	61 ug/kg
Acenaphthene	70 ug/kg
Benzo(a)anthracene	120 ug/kg
Benzo(a)pyrene	54 ug/kg
Benzo(b)Fluoranthene	37 ug/kg
Chrysene	250 ug/kg
Benzo(ghi)perylene	28 ug/kg
Fluoranthene	47 ug/kg
Fluorene	130 ug/kg
Ideno(1,2,3-cd)pyrene	310 ug/kg
Phenanthrene	150 ug/kg
Pyrene	160 ug/kg
Metals	
Arsenic	5.42
Barium	42.7
Cadmium	0.226
Chromium	13.3
Mercury	0.048
Lead	13.7
Selenium	0.885

ppm

Sample Location	B-8 (4-5 ft)
VOC's	
Acetone	**77 ug/kg**
sec-Butylbenzene	2.0 ug/kg
tert-Butylbenzene	0.79 ug/kg
1,1-Dichloroethane	0.40 ug/kg
Isopropylbenzene	0.27 ug/kg
Naphthalene	14 ug/kg
1,3,5-Trimethylbenzene	0.52 ug/kg
1,2,4-Trimethylbenzene	0.76 ug/kg
Cyclohexane	0.72 ug/kg
Methylcyclohexane	2.4 ug/kg
Semi-VOC's	
Anthracene	430 ug/kg
Acenaphthene	330 ug/kg
Acenaphthylene	120 ug/kg
Benzo(a)anthracene	780 ug/kg
Benzo(a)pyrene	430 ug/kg
Benzo(b)Fluoranthene	880 ug/kg
Benzo(k)Fluoranthene	220 ug/kg
Chrysene	**1300 ug/kg**
Benzo(ghi)perylene	270 ug/kg
Dibenzo(a,h)anthracene	100 ug/kg
Fluoranthene	1200 ug/kg
Ideno(1,2,3-cd)pyrene	320 ug/kg
Phenanthrene	1000 ug/kg
Pyrene	1300 ug/kg
PCB's	
Arochlor 1268	15.8 ug/kg
Total PCB's	15.8 ug/kg
Metals	
Arsenic	**37.2**
Barium	33.6
Cadmium	0.526
Chromium	21.2
Mercury	0.123
Lead	65.8
Selenium	3.93

ug/kg RUSCO(CUSCO)
100,000

RRUSCO (CUSCO)
3,900 (56,000) ug/kg

ppm RUSCO(CUSCO)
16 (16)

ppm

Sample Location	TP-9 (8-9 ft)
VOC's	
Chloroform	0.21 ug/kg
Toluene	1.4 ug/kg
Semi-VOC's	
Anthracene	48 ug/kg
Benzo(a)anthracene	120 ug/kg
Benzo(a)pyrene	89 ug/kg
Benzo(b)Fluoranthene	120 ug/kg
Benzo(k)Fluoranthene	49 ug/kg
Chrysene	120 ug/kg
Benzo(ghi)perylene	52 ug/kg
Fluoranthene	240 ug/kg
Fluorene	19 ug/kg
Ideno(1,2,3-cd)pyrene	56 ug/kg
Phenanthrene	180 ug/kg
Pyrene	190 ug/kg
PCB's	
Arochlor 1268	78.3 ug/kg
Total PCB's	78.3 ug/kg
Metals	
Arsenic	7.80
Barium	99.0
Cadmium	1.48
Chromium	31.8
Mercury	0.18
Lead	81.6
Silver	< 0.37
Selenium	< 1.5

ppm

Sample Location	TP-11 (10 ft)
VOC's	
Benzene	0.28 ug/kg
Chloroform	0.19 ug/kg
Toluene	2.1 ug/kg
Semi-VOC's	
Benzo(a)anthracene	44 ug/kg
Benzo(b)Fluoranthene	61 ug/kg
Benzo(k)Fluoranthene	40 ug/kg
Chrysene	65 ug/kg
Benzo(ghi)perylene	40 ug/kg
Fluoranthene	64 ug/kg
Ideno(1,2,3-cd)pyrene	36 ug/kg
Phenanthrene	78 ug/kg
Pyrene	57 ug/kg
PCB's	
Arochlor 1268	**1830 ug/kg**
Total PCB's	**1830 ug/kg**
Metals	
Arsenic	14.5
Barium	**476**
Cadmium	**3.83**
Chromium	**277**
Mercury	0.26
Lead	**552.0**
Silver	2.76
Selenium	< 1.7

ug/kg RRUSCO(CUSCO)
1,000 (1,000)

ppm RRUSCO(CUSCO)
400 (400)
1.3 (9.3)
180 (1,500)
0.81 (2.8)
400 (1,000)

Sample collected on 08/31/20 Data from Alpine's 2/28/2022 UST Report			
SVOCs (ppm)	RRUSCO	CUSCO	6-OilTank Ex. West Wall
Benz(a)anthracene	1	6	**7.9**
Benzo(a)pyrene	1	1	**2.2**
Benzo(b)fluoranthene	1	6	**3.2**
Benzo(k)fluoranthene	3.9	56	**0.56**
Chrysene	3.9	56	**7.4**
Dibenz(a,h)anthracene	0.33	0.56	**0.44**
Ideno(1,2,3-cd)pyrene	0.5	5.6	**1.4**
SVOCs (ppm)	RRUSCO	CUSCO	6-OilTank Ex. Bottom @12'
Benz(a)anthracene	1	6	**1.5**
Chrysene	3.9	56	**2.8**

Sample collected on 08/31/20 Data from Alpine's 2/28/2022 UST Report			
SVOCs (ppm)	RRUSCO	CUSCO	OWS Tank South Wall
Benz(a)anthracene	1	6	**1.5**
Benzo(a)pyrene	1	1	**1.1**
Benzo(b)fluoranthene	1	6	**1.4**
Chrysene	3.9	56	**1.5**
Ideno(1,2,3-cd)pyrene	0.5	5.6	**0.67**
SVOCs (ppm)	RRUSCO	CUSCO	OWS Tank East Wall
Benz(a)anthracene	1	6	**3.5**
Benzo(a)pyrene	1	1	**2.9**
Benzo(b)fluoranthene	1	6	**3.7**
Benzo(k)fluoranthene	3.9	56	**1.1**
Chrysene	3.9	56	**3.2**
Ideno(1,2,3-cd)pyrene	0.5	5.6	**2.8**

Sample Location	B-13 (10-15 ft)
VOC's	
n-Butylbenzene	0.28 ug/kg

Sample Location	B-20 (16-18 ft)
VOC's	
Acetone	9.7 ug/kg
sec-Butylbenzene	0.33 ug/kg
tert-Butylbenzene	0.58 ug/kg
Chlorobenzene	0.34 ug/kg
Naphthalene	1.8 ug/kg
1,2,4-Trimethylbenzene	0.44 ug/kg
Methylcyclohexane	0.71 ug/kg
Semi-VOC's	
Benzo(a)anthracene	76 ug/kg
Chrysene	96 ug/kg
Pyrene	99 ug/kg

Sample Location	B-19 (15-20 ft)
VOC's	
Acetone	13 ug/kg
sec-Butylbenzene	0.40 ug/kg
Ethylbenzene	0.37 ug/kg
Isopropylbenzene	0.14 ug/kg
n-Propylbenzene	0.22 ug/kg
1,2,4-Trimethylbenzene	0.34 ug/kg
Methylcyclohexane	0.33 ug/kg
Metals	
Arsenic	6.18 u
Barium	26.7 u
Cadmium	0.245 u
Chromium	13.4 u
Lead	8.54 u
Silver	0.127 u
Selenium	0.616 u

ppm

Sample Location	SubSta-1
VOC's	
Trichloroethene	1.0 ug/kg

Sample Location	SubSta-2
VOC's	
Trichloroethene	0.26 ug/kg

RRUSCO (CUSCO)
100,000 (500,000)
100,000 (500,000)

Sample Location	TP-1 (6-8 ft)
VOC's	
Acetone	**440 ug/kg**
2-Butanone (MEK)	**190 ug/kg**
Carbon Disulfide	8.8 ug/kg
Chloroform	11 ug/kg
Methyl Acetate	330 ug/kg
Toluene	100 ug/kg
Semi-VOC's	
Chrysene	19 ug/kg
PCB's	
Arochlor 1268	748 ug/kg
Total PCB's	748 ug/kg
Metals	
Arsenic	6.52 ug/kg
Barium	82.9 ug/kg
Cadmium	1.49 ug/kg
Chromium	**86.3 ug/kg**
Mercury	0.22 ug/kg
Lead	76.3 ug/kg
Silver	0.53 ug/kg
Selenium	< 1.6 ug/kg

Sample Location	TP-1 (8-10 ft)
VOC's	
Acetone	**1200 ug/kg**
2-Butanone (MEK)	**390 ug/kg**
Carbon Disulfide	10 ug/kg
Chloroform	12 ug/kg
Methyl Acetate	530 ug/kg
Toluene	**1700 ug/kg**
Semi-VOC's	
Benzo(a)anthracene	31 ug/kg
Benzo(b)Fluoranthene	62 ug/kg
Chrysene	110 ug/kg
Benzo(ghi)perylene	26 ug/kg
Fluoranthene	44 ug/kg
Phenanthrene	43 ug/kg
Pyrene	45 ug/kg
PCB's	
Arochlor 1268	**1300 ug/kg**
Total PCB's	**1300 ug/kg**
Metals	
Arsenic	7.36 u
Barium	123.0 u
Cadmium	1.56 u
Chromium	**105.0 u**
Mercury	0.45 u
Lead	158.0 u
Silver	0.81 u
Selenium	< 1.7 ug/kg

RRUSCO (CUSCO)
100,000 (500,000)

ug/kg RRUSCO(CUSCO)
1,000 (1,000)

ppm RRUSCO(CUSCO)
400 (400)
1.3 (9.3)
180 (1,500)
0.81 (2.8)
400 (1,000)

Barnet Mills
20 Forbes Avenue
Rensselaer, New York

DATE: September 2021

DESCRIPTION:	DATE:
DRAFT	September 10, 2021

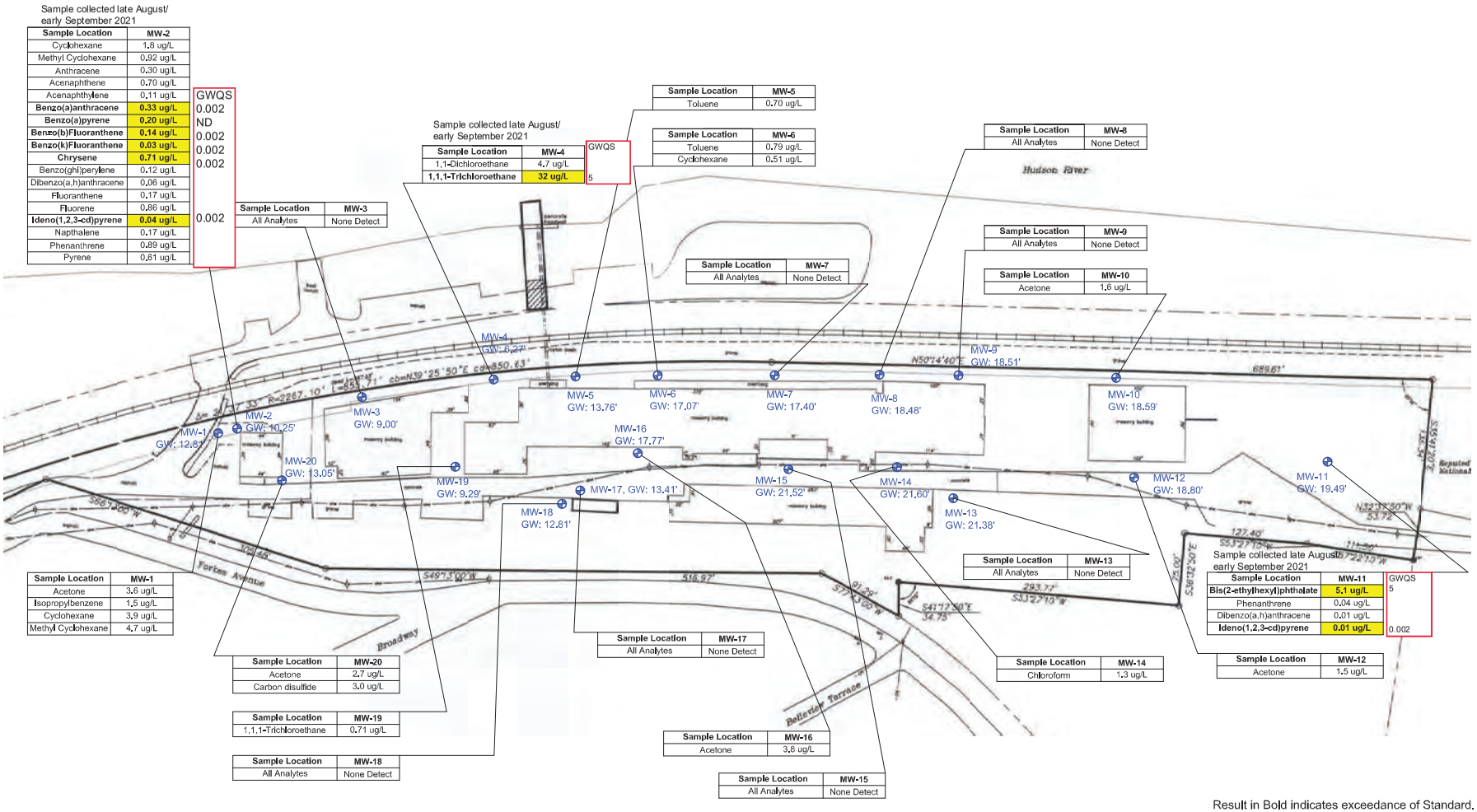
PROJECT NO: 21-26694-E

SHEET NO:

Figure 4

SHEET TITLE: Soil Sample Results with Comparisons to NYSDEC Part 375 Soil Cleanup Objectives for Restricted-Residential Use and Commercial Use (from Draft Phase II Figure 6)

DRAWN BY: BG CHECKED BY: MS



Result in Bold indicates exceedance of Standard.

Red outlined notationsadded by LaBella

Groundwater Sample Results with Comparisons to NYSDEC Groundwater Quality Standards (from Draft Phase II Figure 5)

SHEET TITLE:			
DRAWN BY:	BG	CHECKED BY:	MS

Alpine Inc. ENVIRONMENTAL SERVICES

DATE: September 2021

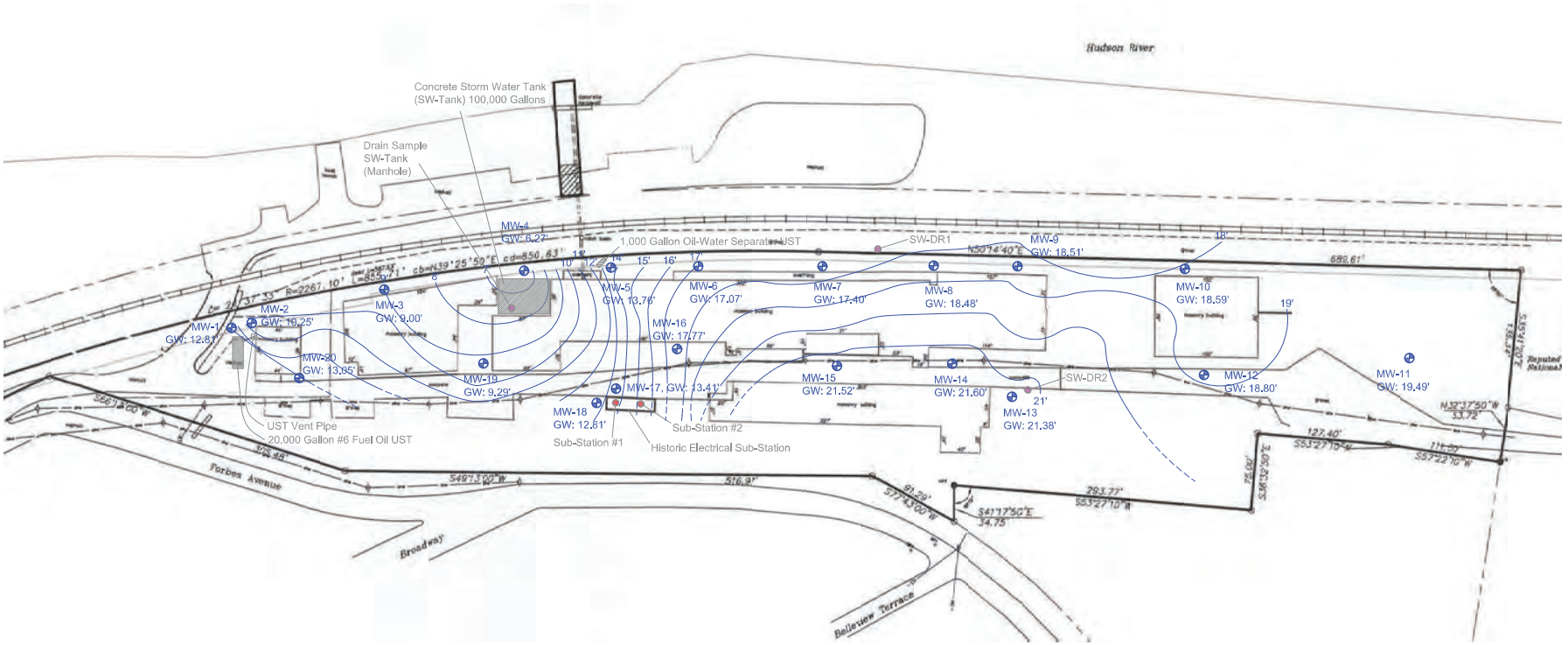
Barnet Mills
20 Forbes Avenue
Rensselaer, New York

DESCRIPTION:	DRAFT
DATE:	September 10, 2021

PROJECT NO: 21-26694-E

SHEET NO:

Figure 5



LEGEND:

- GROUNDWATER ELEVATION CONTOUR
- MONITORING WELL LOCATION AND NUMBER
- SOIL SAMPLE LOCATION
- DRAIN SAMPLE LOCATION

Alpine Inc. ENVIRONMENTAL SERVICES

DATE: September 2021

Barnet Mills
20 Forbes Avenue
Rensselaer, New York

DESCRIPTION:	DRAFT
DATE:	September 10, 2021

PROJECT NO: 21-26694-E

SHEET NO:

Figure6

SHEET TITLE:	Groundwater Elevation Contours (from Draft Phase II Figure 4)		
DRAWN BY:	BG	CHECKED BY:	MS

Tables and Laboratory Reports from October 2021 Phase II ESA prepared by Alpine Environmental (provided as separate pdf)

Tables and Laboratory Reports from February 2022 Underground Storage Tank Removal Oversight, and Sampling for Closure prepared by Alpine Environmental (provided as separate pdf)

Tables and Laboratory Reports from July 2022 Supplemental Phase II conducted by LaBella Associates (provided as separate pdf)

April 29, 2013

Mr. Charles Moore, AICP, Director
Rensselaer Planning & Development Agency
City Hall
62 Washington Street
Rensselaer, NY 12144

RE: Hilton Center, Preliminary Site and Building Assessment
CHA Project: 24718-1001

Dear Mr. Moore:

CHA visited the site of the Hilton Center located on Forbes Avenue in the City of Rensselaer on April 25th and 26th. Paul Richards a Senior Code Administrator, completed the initial assessment of building code related issues and John Favreau, a Senior Environmental Scientist, completed the initial Hazardous Waste Assessment. Based on visual observations, our findings are as follows:

A. Site/Property:

1. Access for firefighting equipment is required on all four sides of the buildings. Based on the narrow road on the east elevation along with cars parked along the road, access would be limited. In addition, there is no access at the north end.

2. Fire hydrants are required. Currently there are three hydrants but only one is operational.

3. Designated parking for persons with physical disabilities (handicap) is required. Also, an accessible route is required from parking areas to buildings and spaces throughout the site. Currently, handicap parking and access are not provided.

B. Buildings 5 and 6:

1. Numerous building and fire code violations were found in both buildings. The following violations were typical of both buildings. Approximately 24 individual tenants or spaces were found to occupy the buildings. Not all spaces/rooms were inspected due to locked doors, and the building superintendent not having the necessary keys.

    - No smoke detection system or fire alarm system as required.
    - Fire sprinkler system is not provided as required.
    - Proper fire separations between tenant spaces are not provided.
    - Illuminated exit signs not provided in all spaces.

- Emergency lighting is not provided as required.
- Many spaces have no heat.
- Many spaces have no plumbing and/or rest rooms.
- Exit stairwells are not enclosed with fire rated construction as required.
- Fire doors are not provided as required.
- Open electrical boxes with exposed wiring.
- Numerous extension cords are being run from room to room or within rooms in place of permanent wiring.
- Power strips and extension cords are daisy chained together.
- Inadequate lighting in many spaces.
- Distance of travel to an exit is exceeded in some areas.
- Mechanical ventilation not provided as required.
- Electrical wire connections not code compliant.
- Kerosene heater in use as only heat source.
- Excessive fire load (combustibles) in storage areas.
- Furnaces not properly vented to the exterior.
- Inadequate number of exits provided in some spaces.
- Flammable solvents/liquids improperly stored.
- Tanks of compressed gases improperly stored.
- Electrical service cables hanging from ceilings/meters.
- Electric panels not labeled as required.
- Structural deficiencies at lower level masonry block walls.
- Portable fire extinguishers not provided as required.

2. Based on the number of violations as well as the severity (fire hazards, life safety and lack of fire protection) of most, every effort should be made to correct said violations immediately.

3. The above items noted are only a summary of our findings in Building 5, 6 and part of 7. Our final report will be provided once the remaining buildings are inspected.

C. Environmental Related Issues

1. An underground storage tank (UST) was identified adjacent to the south side of Building 4. Stained soil was observed around the vent pipe which extended above the ground surface, indicating a possible overfill of the tank. Based on the odor present, the tank contains fuel oil. The age, capacity, structural integrity and registration status of this tank are unknown. According to the regulatory database report reviewed for the property, there are no registered tanks associated with the site. Further inquiry should be made regarding this tank to obtain the above-referenced information.

2. An underground concrete vessel was identified adjacent to the west side of Building 4. This vessel is identified on historical maps as a "concrete tank". The tank contains an unknown liquid, and the capacity and structural integrity of tank are also unknown. The liquid in the tank should be identified, and if this tank is out of service, it is required to be properly closed.

3. Numerous drums and containers in rusted or otherwise poor condition, containing unknown liquids, were observed within the ground level of Building 5. Several areas of the concrete floor within this building are cracked or otherwise compromised, and in some areas the ground surface is exposed.

4. The City of Rensselaer Code Enforcement representatives observed that several drums and containers of unknown contents had been removed from Building 5 since their previous visit to the site a few weeks ago. The disposition of these drums and containers is unknown.

5. An apparent dumping area for various debris was identified at the northern end of the property. A significant amount of construction and demolition type debris was visible at the ground surface in this area. Based on the appearance of this area in conjunction with documented past actions of the property owner (including the attempted burial of a PCB-contaminated electrical transformer), there is reason to suspect the dumping and/or burial of potential hazardous waste materials in this area. Test pits should be completed in this area to evaluate subsurface conditions and the potential presence of buried debris.

6. Three apparently inactive 275-gallon heating oil tanks were observed within a storage space at the north end of Building 10, amidst other debris. It is unknown whether these tanks are empty. Staining was observed on the concrete floor beneath the tanks and a fuel oil odor was noted.

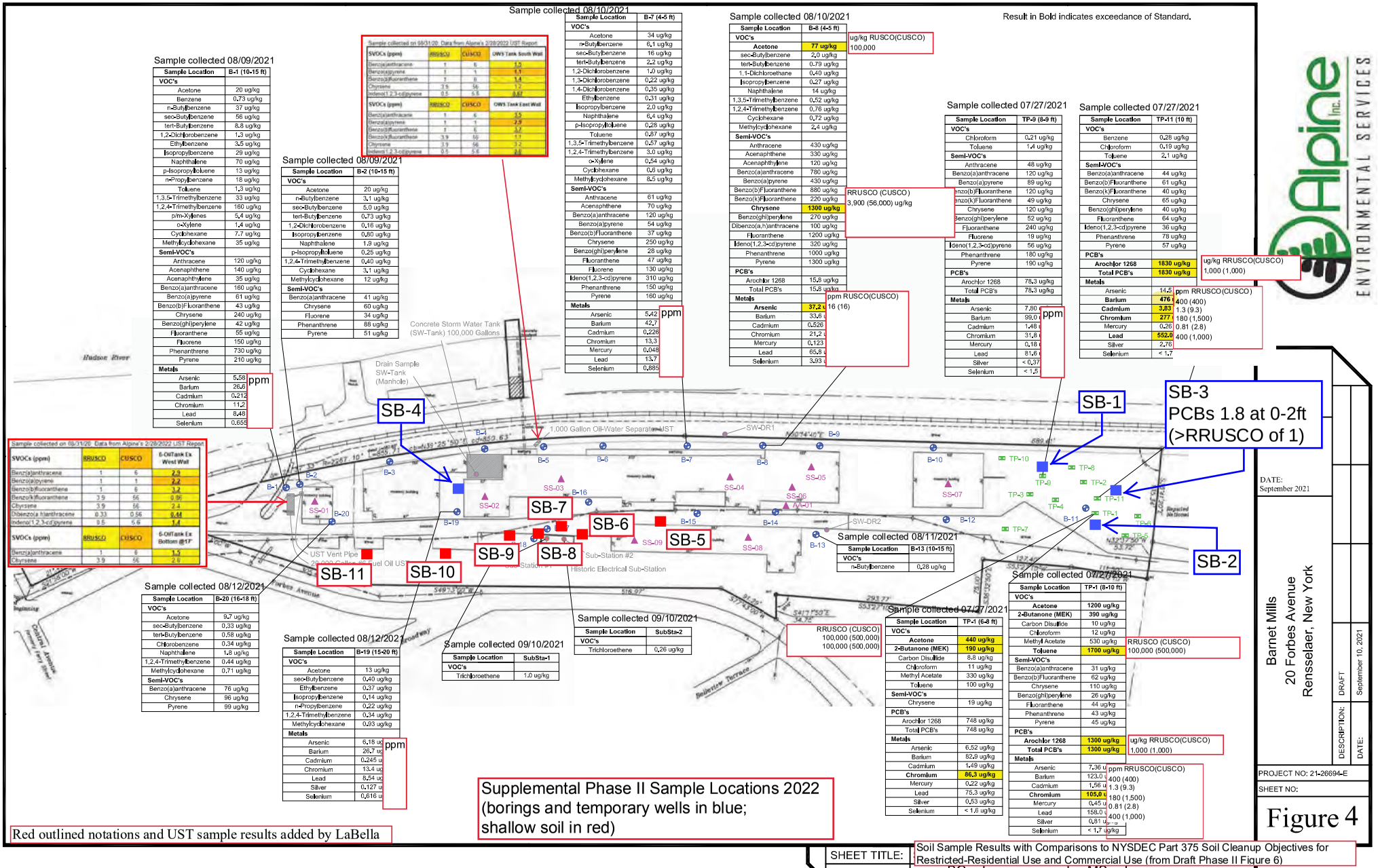
7. Suspect asbestos containing materials (ACM), including what appeared to be transite wall board and panels of asbestos insulation were observed on the upper floors of several tenant spaces. An asbestos survey should be completed to evaluate the types and quantities of ACM present within the site buildings.

Should you have any questions or require additional information on the noted items, please contact me at (518) 453-3938 or at swilson@chacompanies.com.

Sincerely,

Steven R. Wilson
Vice President

CHA



Sample Location	B-1 (10-15 ft)
VOC's	
Acetone	20 ug/kg
Benzene	0.73 ug/kg
n-Butylbenzene	37 ug/kg
sec-Butylbenzene	56 ug/kg
tert-Butylbenzene	8.8 ug/kg
1,2-Dichlorobenzene	1.3 ug/kg
Ethylbenzene	3.5 ug/kg
Isopropylbenzene	29 ug/kg
Naphthalene	70 ug/kg
p-Isopropyltoluene	13 ug/kg
n-Propylbenzene	18 ug/kg
Toluene	1.3 ug/kg
1,3,5-Trimethylbenzene	33 ug/kg
1,2,4-Trimethylbenzene	160 ug/kg
p/m-Xylenes	5.4 ug/kg
o-Xylene	1.4 ug/kg
Cyclohexane	7.7 ug/kg
Methylcyclohexane	35 ug/kg
Semi-VOC's	
Anthracene	120 ug/kg
Acenaphthene	140 ug/kg
Acenaphthylene	35 ug/kg
Benzo(a)anthracene	160 ug/kg
Benzo(a)pyrene	61 ug/kg
Benzo(b)Fluoranthene	43 ug/kg
Chrysene	240 ug/kg
Benzo(ghi)perylene	42 ug/kg
Fluoranthene	55 ug/kg
Fluorene	150 ug/kg
Phenanthrene	730 ug/kg
Pyrene	210 ug/kg
Metals	
Arsenic	5.58
Barium	26.6
Cadmium	0.212
Chromium	11.2
Lead	8.48
Selenium	0.655

ppm

Sample Location	B-2 (10-15 ft)
VOC's	
Acetone	20 ug/kg
n-Butylbenzene	3.1 ug/kg
sec-Butylbenzene	5.0 ug/kg
tert-Butylbenzene	0.73 ug/kg
1,2-Dichlorobenzene	0.16 ug/kg
Isopropylbenzene	0.80 ug/kg
Naphthalene	1.9 ug/kg
p-Isopropyltoluene	0.25 ug/kg
1,2,4-Trimethylbenzene	0.40 ug/kg
Cyclohexane	3.1 ug/kg
Methylcyclohexane	12 ug/kg
Semi-VOC's	
Benzo(a)anthracene	41 ug/kg
Chrysene	60 ug/kg
Fluorene	34 ug/kg
Phenanthrene	88 ug/kg
Pyrene	51 ug/kg

Sample Location	B-7 (4-5 ft)
VOC's	
Acetone	34 ug/kg
n-Butylbenzene	6.1 ug/kg
sec-Butylbenzene	16 ug/kg
tert-Butylbenzene	2.2 ug/kg
1,2-Dichlorobenzene	1.0 ug/kg
1,3-Dichlorobenzene	0.22 ug/kg
1,4-Dichlorobenzene	0.35 ug/kg
Ethylbenzene	0.31 ug/kg
Isopropylbenzene	2.0 ug/kg
Naphthalene	6.4 ug/kg
p-Isopropyltoluene	0.28 ug/kg
Toluene	0.87 ug/kg
1,3,5-Trimethylbenzene	0.57 ug/kg
1,2,4-Trimethylbenzene	3.0 ug/kg
o-Xylene	0.54 ug/kg
Cyclohexane	0.6 ug/kg
Methylcyclohexane	8.5 ug/kg
Semi-VOC's	
Anthracene	61 ug/kg
Acenaphthene	70 ug/kg
Benzo(a)anthracene	120 ug/kg
Benzo(a)pyrene	54 ug/kg
Benzo(b)Fluoranthene	37 ug/kg
Chrysene	250 ug/kg
Benzo(ghi)perylene	28 ug/kg
Fluoranthene	47 ug/kg
Fluorene	130 ug/kg
Ideno(1,2,3-cd)pyrene	310 ug/kg
Phenanthrene	150 ug/kg
Pyrene	160 ug/kg
Metals	
Arsenic	5.42
Barium	42.7
Cadmium	0.226
Chromium	13.3
Mercury	0.048
Lead	13.7
Selenium	0.885

ppm

Sample Location	B-8 (4-5 ft)
VOC's	
Acetone	**77 ug/kg**
sec-Butylbenzene	2.0 ug/kg
tert-Butylbenzene	0.79 ug/kg
1,1-Dichloroethane	0.40 ug/kg
Isopropylbenzene	0.27 ug/kg
Naphthalene	14 ug/kg
1,3,5-Trimethylbenzene	0.52 ug/kg
1,2,4-Trimethylbenzene	0.76 ug/kg
Cyclohexane	0.72 ug/kg
Methylcyclohexane	2.4 ug/kg
Semi-VOC's	
Anthracene	430 ug/kg
Acenaphthene	330 ug/kg
Acenaphthylene	120 ug/kg
Benzo(a)anthracene	780 ug/kg
Benzo(a)pyrene	430 ug/kg
Benzo(b)Fluoranthene	880 ug/kg
Benzo(k)Fluoranthene	220 ug/kg
Chrysene	**1300 ug/kg**
Benzo(ghi)perylene	270 ug/kg
Dibenzo(a,h)anthracene	100 ug/kg
Fluoranthene	1200 ug/kg
Ideno(1,2,3-cd)pyrene	320 ug/kg
Phenanthrene	1000 ug/kg
Pyrene	1300 ug/kg
PCB's	
Arochlor 1268	15.8 ug/kg
Total PCB's	15.8 ug/kg
Metals	
Arsenic	**37.2**
Barium	33.6
Cadmium	0.526
Chromium	21.2
Mercury	0.123
Lead	65.8
Selenium	3.93

ug/kg RUSCO(CUSCO) 100,000

RRUSCO (CUSCO) 3,900 (56,000) ug/kg

ppm RUSCO(CUSCO) 16 (16)

Sample Location	TP-9 (8-9 ft)
VOC's	
Chloroform	0.21 ug/kg
Toluene	1.4 ug/kg
Semi-VOC's	
Anthracene	48 ug/kg
Benzo(a)anthracene	120 ug/kg
Benzo(a)pyrene	89 ug/kg
enzo(b)Fluoranthene	120 ug/kg
enzo(k)Fluoranthene	49 ug/kg
Chrysene	120 ug/kg
Benzo(ghi)perylene	52 ug/kg
Fluoranthene	240 ug/kg
Fluorene	19 ug/kg
Ideno(1,2,3-cd)pyrene	56 ug/kg
Phenanthrene	180 ug/kg
Pyrene	190 ug/kg
PCB's	
Arochlor 1268	78.3 ug/kg
Total PCB's	78.3 ug/kg
Metals	
Arsenic	7.80
Barium	99.0
Cadmium	1.48
Chromium	31.8
Mercury	0.18
Lead	81.6
Silver	< 0.37
Selenium	< 1.5

ppm

Sample Location	TP-11 (10 ft)
VOC's	
Benzene	0.28 ug/kg
Chloroform	0.19 ug/kg
Toluene	2.1 ug/kg
Semi-VOC's	
Benzo(a)anthracene	44 ug/kg
Benzo(b)Fluoranthene	61 ug/kg
Benzo(k)Fluoranthene	40 ug/kg
Chrysene	65 ug/kg
Benzo(ghi)perylene	40 ug/kg
Fluoranthene	64 ug/kg
Ideno(1,2,3-cd)pyrene	36 ug/kg
Phenanthrene	78 ug/kg
Pyrene	57 ug/kg
PCB's	
Arochlor 1268	**1830 ug/kg**
Total PCB's	**1830 ug/kg**
Metals	
Arsenic	14.5
Barium	**476**
Cadmium	**3.83**
Chromium	**277**
Mercury	0.26
Lead	**552.0**
Silver	2.76
Selenium	< 1.7

ug/kg RRUSCO(CUSCO) 1,000 (1,000)

ppm RRUSCO(CUSCO)
400 (400)
1.3 (9.3)
180 (1,500)
0.81 (2.8)
400 (1,000)

Sample collected on 08/31/20. Data from Alpine's 2/28/2022 UST Report			
SVOCs (ppm)	RRUSCO	CUSCO	OWS Tank South Wall
Benz(a)anthracene	1	6	1.5
Benzo(a)pyrene	1	1	1.1
Benzo(b)fluoranthene	1	6	1.4
Chrysene	3.9	56	1.7
Indeno(1,2,3-cd)pyrene	0.5	5.6	0.87
SVOCs (ppm)	RRUSCO	CUSCO	OWS Tank East Wall
Benz(a)anthracene	1	6	3.5
Benzo(a)pyrene	1	1	2.9
Benzo(b)fluoranthene	1	6	3.7
Benzo(k)fluoranthene	3.9	56	1.7
Chrysene	3.9	56	3.2
Indeno(1,2,3-cd)pyrene	0.5	5.6	2.0

Sample collected on 08/31/20. Data from Alpine's 2/28/2022 UST Report			
SVOCs (ppm)	RRUSCO	CUSCO	6-Oil Tank Ex West Wall
Benz(a)anthracene	1	6	2.9
Benzo(a)pyrene	1	1	2.2
Benzo(b)fluoranthene	1	6	3.2
Benzo(k)fluoranthene	3.9	56	0.86
Chrysene	3.9	56	2.4
Dibenzo(a,h)anthracene	0.33	0.56	0.44
Indeno(1,2,3-cd)pyrene	0.5	5.6	1.4
SVOCs (ppm)	RRUSCO	CUSCO	6-Oil Tank Ex Bottom @17'
Benz(a)anthracene	1	6	1.5
Chrysene	3.9	56	2.0

Sample Location	B-20 (16-18 ft)
VOC's	
Acetone	9.7 ug/kg
sec-Butylbenzene	0.33 ug/kg
tert-Butylbenzene	0.58 ug/kg
Chlorobenzene	0.34 ug/kg
Naphthalene	1.8 ug/kg
1,2,4-Trimethylbenzene	0.44 ug/kg
Methylcyclohexane	0.71 ug/kg
Semi-VOC's	
Benzo(a)anthracene	76 ug/kg
Chrysene	96 ug/kg
Pyrene	99 ug/kg

Sample Location	B-19 (15-20 ft)
VOC's	
Acetone	13 ug/kg
sec-Butylbenzene	0.40 ug/kg
Ethylbenzene	0.37 ug/kg
Isopropylbenzene	0.14 ug/kg
n-Propylbenzene	0.22 ug/kg
1,2,4-Trimethylbenzene	0.34 ug/kg
Methylcyclohexane	0.33 ug/kg
Metals	
Arsenic	6.18 u
Barium	26.7 u
Cadmium	0.245 u
Chromium	13.4 u
Lead	8.54 u
Silver	0.127 u
Selenium	0.616 u

ppm

Sample Location	SubSta-1
VOC's	
Trichloroethene	1.0 ug/kg

Sample Location	SubSta-2
VOC's	
Trichloroethene	0.26 ug/kg

Sample Location	B-13 (10-15 ft)
VOC's	
n-Butylbenzene	0.28 ug/kg

Sample Location	TP-1 (6-8 ft)
VOC's	
Acetone	**440 ug/kg**
2-Butanone (MEK)	**190 ug/kg**
Carbon Disulfide	8.8 ug/kg
Chloroform	11 ug/kg
Methyl Acetate	330 ug/kg
Toluene	100 ug/kg
Semi-VOC's	
Chrysene	19 ug/kg
PCB's	
Arochlor 1268	748 ug/kg
Total PCB's	748 ug/kg
Metals	
Arsenic	6.52 ug/kg
Barium	82.9 ug/kg
Cadmium	1.49 ug/kg
Chromium	**86.3 ug/kg**
Mercury	0.22 ug/kg
Lead	76.3 ug/kg
Silver	0.53 ug/kg
Selenium	< 1.6 ug/kg

RRUSCO (CUSCO)
100,000 (500,000)
100,000 (500,000)

Sample Location	TP-1 (8-10 ft)
VOC's	
Acetone	**1200 ug/kg**
2-Butanone (MEK)	**390 ug/kg**
Carbon Disulfide	10 ug/kg
Chloroform	12 ug/kg
Methyl Acetate	530 ug/kg
Toluene	**1700 ug/kg**
Semi-VOC's	
Benzo(a)anthracene	31 ug/kg
Benzo(b)Fluoranthene	62 ug/kg
Chrysene	110 ug/kg
Benzo(ghi)perylene	26 ug/kg
Fluoranthene	44 ug/kg
Phenanthrene	43 ug/kg
Pyrene	45 ug/kg
PCB's	
Arochlor 1268	**1300 ug/kg**
Total PCB's	**1300 ug/kg**
Metals	
Arsenic	7.36 u
Barium	123.0
Cadmium	1.56 u
Chromium	**105.0 u**
Mercury	0.45 u
Lead	158.0
Silver	0.81 u
Selenium	< 1.7 ug/kg

RRUSCO (CUSCO) 100,000 (500,000)

ug/kg RRUSCO(CUSCO) 1,000 (1,000)

ppm RRUSCO(CUSCO)
400 (400)
1.3 (9.3)
180 (1,500)
0.81 (2.8)
400 (1,000)

Table 1
Soil Sample Laboratory Results Summary
Former Barnet Mills Property
20 Forbes Avenue
Rensselaer, New York 12144

Sample Location	**6 NYCRR Part 375 Soil Cleanup Objectives**			Borings Installed in Northern Area of Fill Material (Samples collected from 15 to 20-foot depth interval)			Shallow Soil Samples Near Former Substation (0 to 2-foot depth interval)										Boring installed upgradient of MW-4 where 1,1,1-TCA was previously reported
Sample ID				**SB-1 (15-20)**	**SB-2 (15-20)**	**SB-3 (15-20)**	**SB-1 (0-2)**	**SB-2 (0-2)**	**SB-3 (0-2)**	**SB-5 (0-2)**	**SB-6 (0-2)**	**SB-7 (0-2)**	**SB-8 (0-2)**	**SB-9 (0-2)**	**SB-10 (0-2)**	**SB-11 (0-2)**	**SB-4 (15-20)**
Sample Date and Time	Unrestricted Use	**Restricted-Residential**	***Commercial***	**07-Jul-22 14:13**	**07-Jul-22 14:05**	**07-Jul-22 14:10**	**07-Jul-22 14:08**	**07-Jul-22 14:03**	**07-Jul-22 14:15**	**07-Jul-22 14:32**	**07-Jul-22 14:34**	**07-Jul-22 14:18**	**07-Jul-22 14:23**	**07-Jul-22 14:25**	**07-Jul-22 14:30**	**07-Jul-22 14:35**	**07-Jul-22 14:20**
Lab Sample ID	ppm	ppm	ppm	**22G0476-01**	**22G0476-02**	**22G0476-03**	**22G0476-04**	**22G0476-05**	**22G0476-06**	**22G0476-08**	**22G0476-09**	**22G0476-10**	**22G0476-11**	**22G0476-12**	**22G0476-13**	**22G0476-14**	**22G0476-07**
VOCs																	VOCs were ND except:
Acetone	0.05	100	500	--	--	--	--	--	--	--	--	--	--	--	--	--	0.28
PCBs																	
Aroclor - 1016	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1221	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1232	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1242	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1248	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1254	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1260	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1262	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	<0.091	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
Aroclor - 1268	0.1	1	1	<0.093	<0.096	<0.10	<0.096	<0.090	***1.8***	<0.088	<0.095	<0.10	<0.087	<0.088	<0.089	<0.093	
RCRA 8 Metals																	
Arsenic	13	16	16	5.1	4.1	6.4											
Barium	350	400	400	58	34	54											
Cadmium	2.5	4.3	9.3	<0.38	<0.38	<0.43											
Chromium	30	180	1,500	21	11	17											
Lead	63	400	1,000	13	7.3	11											
Selenium	3.9	180	1,500	<3.8	<3.8	<4.3											
Silver	2	180	1,500	<0.38	<0.38	<0.43											
Mercury	0.18	0.81	2.8	0.037	<0.030	0.035											

NOTES:
Results are reported in milligrams per kilogram (mg/kg) = parts per million (ppm)
-- indicates sample not tested for analyte
Exceedences of 6NYCRR Soil Cleanup Objectives for Unrestricted Use (UUSCOs) are highlighted
Exceedences of 6NYCRR Soil Cleanup Objectives for Restricted-Residential Use (RRUSCOs) are shown in bold font.
Exceedences of 6NYCRR Soil Cleanup Objectives for Commercial Use (CUSCOs) are underlined and shown in italics.

Table 2 Summary of Laboratory Results SVOCs and Metals in Groundwater Samples
Former Barnet Mills Property
20 Forbes Avenue
Rensselaer, New York 12144

Sample Location	**6 NYCRR Part 703.5**	Borings Installed in Northern Area of Fill Material			Boring installed upgradient of MW-4 where 1,1,1-TCA was previously reported
Sample ID		**Temp Well 1**	**Temp Well 2**	**Temp Well 3**	**Temp Well 4**
Sample Date and time		**07-Jul-22 13:35**	**07-Jul-22 13:10**	**07-Jul-22 12:45**	**07-Jul-22 14:00**
Lab Sample ID		**22G0477-01**	**22G0477-02**	**22G0477-03**	**22G0477-04**
VOCs	VOCs were non-detect				
Total RCRA 8 Metals	ug/L	ug/L	ug/L	ug/L	
Arsenic	25	1.4	3.1	3.2	
Barium	1,000	220	670	290	
Cadmium	5	4.3	20	1.6	
Chromium	50	38	130	38	
Lead	25	100	210	67	
Selenium	10	<5.0	<5.0	<5.0	
Silver	50	0.92	0.22	0.34	
Mercury	0.7	<0.1	<0.1	<0.1	
Total RCRA 8 Metals	ug/L	ug/L	ug/L	ug/L	
Arsenic, dissolved	25	<0.80	<0.80	<0.80	
Barium, dissolved	1,000	44	33	46	
Cadmium, dissolved	5	0.27	<0.20	0.33	
Chromium, dissolved	50	1.4	1.3	1.1	
Lead, dissolved	25	<0.50	<0.50	<0.50	
Selenium, dissolved	10	<5.0	<5.0	<5.0	
Silver, dissolved	50	<0.20	<0.20	<0.20	
Mercury, dissolved	0.7	<0.1	<0.1	<0.1	

NOTES:
Results are reported in micrograms per liter (ug/L) = parts per billion (ppb).
Shaded cells indicate values that are greater than the 6 NYCRR Part 703.5 groundwater quality standard.

Table 3
PFAS in Groundwater Sample Results
Former Barnet Mills Property
20 Forbes Avenue
Rensselaer, New York 12144

Sample ID **Sample Date and Time** **Lab Sample ID**	**NYSDEC Interim Guidance Values June 2021 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs**	**MW-4** **08-Jul-22** **9:00** **22G0536-01**	**MW-8** **08-Jul-22** **9:30** **22G0536-02**	**MW-11** **08-Jul-22** **10:15** **22G0536-03**
PFAS		ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)		<1.6	<1.6	5.5
Perfluorobutanesulfonic acid (PFBS)		<1.6	<1.6	<1.6
Perfluoropentanoic acid (PFPeA)		2.7	<1.6	4.1
Perfluorohexanoic acid (PFHxA)		<1.6	<1.6	<1.6
11Cl-PF3OUdS (F53B Major)		<1.6	<1.6	<1.6
9Cl-PF3ONS (F53B Minor)		<1.6	<1.6	<1.6
4,8-dioxa-3H-perfluorononanoic acid (ADONA)		<1.6	<1.6	<1.6
Hexafluoropropylene oxide dimer acid (HFPO-DA)		<1.6	<1.6	<1.6
8:2 Fluorotelomersulfonic acid (8:2FTS A)		<1.6	<1.6	<1.6
Perfluorodecanoic acid (PFDA)		<1.6	<1.6	<1.6
Perfluorododecanoic acid (PFDoA)		<1.6	<1.6	<1.6
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		<1.6	<1.6	<1.6
Perfluoroheptanesulfonic acid (PFHpS)		<1.6	<1.6	<1.6
N-EtFOSAA		<1.6	<1.6	<1.6
N-MeFOSAA		<1.6	<1.6	<1.6
Perfluorotetradecanoic acid (PFTA)		<1.6	<1.6	<1.6
Perfluorotridecanoic acid (PFTrDA)		<1.6	<1.6	<1.6
4:2 Fluorotelomersulfonic acid (4:2FTS A)		<1.6	<1.6	<1.6
Perfluorodecanesulfonic acid (PFDS)		<1.6	<1.6	<1.6
Perfluorooctanesulfonamide (FOSA)		<1.6	<1.6	<1.6
Perfluorononanesulfonic acid (PFNS)		<1.6	<1.6	<1.6
Perfluoro-1-hexanesulfonamide (FHxSA)		<1.6	<1.6	<1.6
Perfluoro-1-butanesulfonamide (FBSA)		<1.6	<1.6	<1.6
Perfluorohexanesulfonic acid (PFHxS)		<1.6	<1.6	<1.6
Perfluoro-4-oxapentanoic acid (PFMPA)		<1.6	<1.6	<1.6
Perfluoro-5-oxahexanoic acid (PFMBA)		<1.6	<1.6	<1.6
6:2 Fluorotelomersulfonic acid (6:2FTS A)		<1.6	<1.6	<1.6
Perfluoropetanesulfonic acid (PFPeS)		<1.6	<1.6	4.8
Perfluoroundecanoic acid (PFUnA)		<1.6	<1.6	<1.6
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		<1.6	<1.6	<1.6
Perfluoroheptanoic acid (PFHpA)		<1.6	<1.6	<1.6
Perfluorooctanoic acid (PFOA)	10 ppt (ng/L)	2.3	<1.6	<1.6
Perfluorooctanesulfonic acid (PFOS)	10 ppt (ng/L)	1.9	<1.6	<1.6
Perfluorononanoic acid (PFNA)		<1.6	<1.6	<1.6

Exceedances of the NYSDEC Interim Guidance Values June 2021 Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs are highlighted.

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August 11, 2022

Arlette St. Romain
Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020

Project Location: 20 Forbes Ave., Rensselaer, NY
Client Job Number:
Project Number: 2220630
Laboratory Work Order Number: 22G0476

Enclosed are results of analyses for samples as received by the laboratory on July 8, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott C. Basal
Project Manager

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Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020
ATTN: Arlette St. Romain

REPORT DATE: 8/11/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2220630

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22G0476

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 20 Forbes Ave., Rensselaer, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB-1 (15-20)	22G0476-01	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8082A	
SB-2 (15-20)	22G0476-02	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8082A	
SB-3 (15-20)	22G0476-03	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8082A	
SB-1 (0-2)	22G0476-04	Soil		SM 2540G	
				SW-846 8082A	
SB-2 (0-2)	22G0476-05	Soil		SM 2540G	
				SW-846 8082A	
SB-3 (0-2)	22G0476-06	Soil		SM 2540G	
				SW-846 8082A	
SB-4 (15-20)	22G0476-07	Soil		SM 2540G	
				SW-846 8260D	
SB-5 (0-2)	22G0476-08	Soil		SM 2540G	
				SW-846 8082A	
SB-6 (0-2)	22G0476-09	Soil		SM 2540G	
				SW-846 8082A	
SB-7 (0-2)	22G0476-10	Soil		SM 2540G	
				SW-846 8082A	
SB-8 (0-2)	22G0476-11	Soil		SM 2540G	
				SW-846 8082A	
SB-9 (0-2)	22G0476-12	Soil		SM 2540G	
				SW-846 8082A	
SB-10 (0-2)	22G0476-13	Soil		SM 2540G	
				SW-846 8082A	
SB-11 (0-2)	22G0476-14	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Reported result for Acetone soil by EPA 8260D is estimated and not covered by certification.

SW-846 8082A

Qualifications:

S-24

Surrogate recovery is biased high due to the presence of Aroclor 1268 in the sample. Aroclor 1268 contains decachlorobiphenyl.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
22G0476-06[SB-3 (0-2)]

Decachlorobiphenyl [2C]
22G0476-06[SB-3 (0-2)]

SW-846 8260D

Qualifications:

PR-03a

Sample preserved in the laboratory, not in the field as required by the method and outside the 48 hour holding time.

Analyte & Samples(s) Qualified:

22G0476-07[SB-4 (15-20)]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12
22G0476-07[SB-4 (15-20)], B312736-BLK1, B312736-BS1, B312736-BSD1, S073786-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
22G0476-07[SB-4 (15-20)], B312736-BLK1, B312736-BS1, B312736-BSD1, S073786-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

2-Butanone (MEK)
B312736-BS1, B312736-BSD1, S073786-CCV1

2-Hexanone (MBK)
B312736-BS1, B312736-BSD1, S073786-CCV1

Acetone
B312736-BS1, B312736-BSD1, S073786-CCV1

Z-01

Reported result is estimated.

Analyte & Samples(s) Qualified:

Acetone
22G0476-07[SB-4 (15-20)]

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The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (15-20) Sampled: 7/7/2022 14:13

Sample ID: 22G0476-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 10:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		7/19/22 10:51
Decachlorobiphenyl [2]	97.8	30-150		7/19/22 10:51
Tetrachloro-m-xylene [1]	95.7	30-150		7/19/22 10:51
Tetrachloro-m-xylene [2]	83.5	30-150		7/19/22 10:51

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Date Received: 7/8/2022

Field Sample #: SB-1 (15-20) Sampled: 7/7/2022 14:13

Sample ID: 22G0476-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	5.1	3.8	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Barium	58	1.9	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Cadmium	ND	0.38	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Chromium	21	0.76	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Lead	13	0.57	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Mercury	0.037	0.029	mg/Kg dry	1		SW-846 7471B	7/15/22	7/16/22 18:21	ICP
Selenium	ND	3.8	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:13	JLC
Silver	ND	0.38	mg/Kg dry	1		SW-846 6010D	7/18/22	8/8/22 18:05	MJH

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (15-20) Sampled: 7/7/2022 14:13

Sample ID: 22G0476-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	7/8/22	7/9/22 14:28	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (15-20) Sampled: 7/7/2022 14:05

Sample ID: 22G0476-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/19/22 11:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	111	30-150		7/19/22 11:08
Decachlorobiphenyl [2]	103	30-150		7/19/22 11:08
Tetrachloro-m-xylene [1]	100	30-150		7/19/22 11:08
Tetrachloro-m-xylene [2]	87.7	30-150		7/19/22 11:08

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (15-20) Sampled: 7/7/2022 14:05

Sample ID: 22G0476-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.1	3.8	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Barium	34	1.9	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Cadmium	ND	0.38	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Chromium	11	0.76	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Lead	7.3	0.57	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Mercury	ND	0.030	mg/Kg dry	1		SW-846 7471B	7/15/22	7/16/22 18:23	ICP
Selenium	ND	3.8	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:20	JLC
Silver	ND	0.38	mg/Kg dry	1		SW-846 6010D	7/18/22	8/8/22 18:28	MJH

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (15-20) Sampled: 7/7/2022 14:05

Sample ID: 22G0476-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.4		% Wt	1		SM 2540G	7/8/22	7/9/22 14:28	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (15-20) Sampled: 7/7/2022 14:10

Sample ID: 22G0476-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:07	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		7/20/22 16:07
Decachlorobiphenyl [2]	96.9	30-150		7/20/22 16:07
Tetrachloro-m-xylene [1]	81.2	30-150		7/20/22 16:07
Tetrachloro-m-xylene [2]	77.1	30-150		7/20/22 16:07

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (15-20) Sampled: 7/7/2022 14:10

Sample ID: 22G0476-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	6.4	4.3	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Barium	54	2.1	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Cadmium	ND	0.43	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Chromium	17	0.85	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Lead	11	0.64	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Mercury	0.035	0.033	mg/Kg dry	1		SW-846 7471B	7/15/22	7/16/22 18:24	ICP
Selenium	ND	4.3	mg/Kg dry	1		SW-846 6010D	7/18/22	8/2/22 2:27	JLC
Silver	ND	0.43	mg/Kg dry	1		SW-846 6010D	7/18/22	8/8/22 18:35	MJH

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (15-20) Sampled: 7/7/2022 14:10

Sample ID: 22G0476-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.4		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (0-2) Sampled: 7/7/2022 14:08

Sample ID: 22G0476-04

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:25	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.6	30-150		7/20/22 16:25
Decachlorobiphenyl [2]	106	30-150		7/20/22 16:25
Tetrachloro-m-xylene [1]	85.9	30-150		7/20/22 16:25
Tetrachloro-m-xylene [2]	76.2	30-150		7/20/22 16:25

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-1 (0-2) Sampled: 7/7/2022 14:08

Sample ID: 22G0476-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (0-2) Sampled: 7/7/2022 14:03

Sample ID: 22G0476-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 16:42	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	121	30-150		7/20/22 16:42
Decachlorobiphenyl [2]	135	30-150		7/20/22 16:42
Tetrachloro-m-xylene [1]	87.8	30-150		7/20/22 16:42
Tetrachloro-m-xylene [2]	82.0	30-150		7/20/22 16:42

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-2 (0-2) Sampled: 7/7/2022 14:03

Sample ID: 22G0476-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (0-2) Sampled: 7/7/2022 14:15

Sample ID: 22G0476-06

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA
Aroclor-1268 [2]	1.8	0.091	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:00	JEA

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	**1550**	*	30-150	S-24	7/20/22 17:00
Decachlorobiphenyl [2]	**660**	*	30-150	S-24	7/20/22 17:00
Tetrachloro-m-xylene [1]	90.5		30-150		7/20/22 17:00
Tetrachloro-m-xylene [2]	79.8		30-150		7/20/22 17:00

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-3 (0-2) Sampled: 7/7/2022 14:15

Sample ID: 22G0476-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-4 (15-20) Sampled: 7/7/2022 14:20

Sample ID: 22G0476-07

Sample Matrix: Soil

Sample Flags: PR-03a

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.28	0.12	mg/Kg dry	1	Z-01	SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Acrylonitrile	ND	0.0073	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Benzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromochloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromodichloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromoform	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Bromomethane	ND	0.012	mg/Kg dry	1	V-34	SW-846 8260D	7/12/22	7/12/22 6:25	MFF
2-Butanone (MEK)	ND	0.048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
n-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
sec-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
tert-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Carbon Disulfide	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chloroethane	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chloroform	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
2-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
4-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Dibromomethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,3-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,4-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	mg/Kg dry	1	V-05	SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1-Dichloroethylene	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
cis-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
trans-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
2,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
trans-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Diethyl Ether	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF

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Project Location: 20 Forbes Ave., Rensselaer, NY | Sample Description: | Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-4 (15-20) | Sampled: 7/7/2022 14:20

Sample ID: 22G0476-07

Sample Matrix: Soil

Sample Flags: PR-03a

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,4-Dioxane	ND	0.12	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Ethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Hexachlorobutadiene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
2-Hexanone (MBK)	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Isopropylbenzene (Cumene)	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Methyl Acetate	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Methyl Cyclohexane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Methylene Chloride	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Naphthalene	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
n-Propylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Styrene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Tetrachloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Toluene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2,3-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2,4-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,3,5-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,1-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,2-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Trichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2,3-Trichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,2,4-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
1,3,5-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
m+p Xylene	ND	0.0048	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF
o-Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260D	7/12/22	7/12/22 6:25	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.6	70-130		7/12/22 6:25
Toluene-d8	94.2	70-130		7/12/22 6:25
4-Bromofluorobenzene	96.6	70-130		7/12/22 6:25

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-4 (15-20) Sampled: 7/7/2022 14:20

Sample ID: 22G0476-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.3		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-5 (0-2) Sampled: 7/7/2022 14:32

Sample ID: 22G0476-08

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 17:17	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		7/20/22 17:17
Decachlorobiphenyl [2]	108	30-150		7/20/22 17:17
Tetrachloro-m-xylene [1]	94.4	30-150		7/20/22 17:17
Tetrachloro-m-xylene [2]	88.2	30-150		7/20/22 17:17

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-5 (0-2) Sampled: 7/7/2022 14:32

Sample ID: 22G0476-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.0		% Wt	1		SM 2540G	7/8/22	7/9/22 14:29	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-6 (0-2) Sampled: 7/7/2022 14:34

Sample ID: 22G0476-09

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 19:43	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.4	30-150		7/20/22 19:43
Decachlorobiphenyl [2]	100	30-150		7/20/22 19:43
Tetrachloro-m-xylene [1]	85.6	30-150		7/20/22 19:43
Tetrachloro-m-xylene [2]	83.6	30-150		7/20/22 19:43

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-6 (0-2) Sampled: 7/7/2022 14:34

Sample ID: 22G0476-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-7 (0-2) Sampled: 7/7/2022 14:18

Sample ID: 22G0476-10

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:00	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		7/20/22 20:00
Decachlorobiphenyl [2]	96.4	30-150		7/20/22 20:00
Tetrachloro-m-xylene [1]	80.4	30-150		7/20/22 20:00
Tetrachloro-m-xylene [2]	77.5	30-150		7/20/22 20:00

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-7 (0-2) Sampled: 7/7/2022 14:18

Sample ID: 22G0476-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.2		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-8 (0-2) Sampled: 7/7/2022 14:23

Sample ID: 22G0476-11

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:18	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		7/20/22 20:18
Decachlorobiphenyl [2]	113	30-150		7/20/22 20:18
Tetrachloro-m-xylene [1]	88.7	30-150		7/20/22 20:18
Tetrachloro-m-xylene [2]	85.6	30-150		7/20/22 20:18

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-8 (0-2) Sampled: 7/7/2022 14:23

Sample ID: 22G0476-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-9 (0-2) Sampled: 7/7/2022 14:25

Sample ID: 22G0476-12

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:35	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.5	30-150		7/20/22 20:35
Decachlorobiphenyl [2]	107	30-150		7/20/22 20:35
Tetrachloro-m-xylene [1]	91.0	30-150		7/20/22 20:35
Tetrachloro-m-xylene [2]	83.1	30-150		7/20/22 20:35

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Date Received: 7/8/2022

Field Sample #: SB-9 (0-2) Sampled: 7/7/2022 14:25

Sample ID: 22G0476-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-10 (0-2) Sampled: 7/7/2022 14:30

Sample ID: 22G0476-13

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 20:53	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.1	30-150		7/20/22 20:53
Decachlorobiphenyl [2]	104	30-150		7/20/22 20:53
Tetrachloro-m-xylene [1]	90.1	30-150		7/20/22 20:53
Tetrachloro-m-xylene [2]	84.9	30-150		7/20/22 20:53

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-10 (0-2) Sampled: 7/7/2022 14:30

Sample ID: 22G0476-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-11 (0-2) Sampled: 7/7/2022 14:35

Sample ID: 22G0476-14

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	7/14/22	7/20/22 21:11	JEA

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.5	30-150		7/20/22 21:11
Decachlorobiphenyl [2]	98.2	30-150		7/20/22 21:11
Tetrachloro-m-xylene [1]	88.3	30-150		7/20/22 21:11
Tetrachloro-m-xylene [2]	80.5	30-150		7/20/22 21:11

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0476

Date Received: 7/8/2022

Field Sample #: SB-11 (0-2) Sampled: 7/7/2022 14:35

Sample ID: 22G0476-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	7/8/22	7/9/22 14:30	AEM

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312736 - SW-846 5035										
Blank (B312736-BLK1)				Prepared & Analyzed: 07/12/22						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							V-34
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
tert-Butyl Alcohol (TBA)	ND	0.10	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.010	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							V-05
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl Acetate	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312736 - SW-846 5035											
Blank (B312736-BLK1)				Prepared & Analyzed: 07/12/22							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet								
Methyl Cyclohexane	ND	0.0020	mg/Kg wet								
Methylene Chloride	ND	0.020	mg/Kg wet								
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet								
Naphthalene	ND	0.0040	mg/Kg wet								
n-Propylbenzene	ND	0.0020	mg/Kg wet								
Styrene	ND	0.0020	mg/Kg wet								
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet								
Tetrachloroethylene	ND	0.0020	mg/Kg wet								
Tetrahydrofuran	ND	0.010	mg/Kg wet								
Toluene	ND	0.0020	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet								
Trichloroethylene	ND	0.0020	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet								
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0485*		mg/Kg wet	0.0500		97.1	70-130				
Surrogate: Toluene-d8	*0.0470*		mg/Kg wet	0.0500		94.0	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0481*		mg/Kg wet	0.0500		96.2	70-130				
LCS (B312736-BS1)				Prepared & Analyzed: 07/12/22							
Acetone	0.232	0.10	mg/Kg wet	0.200		116	70-160			V-35	†
Acrylonitrile	0.0217	0.0060	mg/Kg wet	0.0200		109	70-130				
tert-Amyl Methyl Ether (TAME)	0.0186	0.0010	mg/Kg wet	0.0200		92.8	70-130				
Benzene	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130				
Bromobenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130				
Bromochloromethane	0.0199	0.0020	mg/Kg wet	0.0200		99.7	70-130				
Bromodichloromethane	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130				
Bromoform	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130				
Bromomethane	0.0177	0.010	mg/Kg wet	0.0200		88.4	40-130			V-34	†
2-Butanone (MEK)	0.246	0.040	mg/Kg wet	0.200		123	70-160			V-35	†
tert-Butyl Alcohol (TBA)	0.214	0.10	mg/Kg wet	0.200		107	40-130				†
n-Butylbenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130				
sec-Butylbenzene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130				
tert-Butylbenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-160				†
tert-Butyl Ethyl Ether (TBEE)	0.0162	0.0010	mg/Kg wet	0.0200		80.9	70-130				
Carbon Disulfide	0.194	0.010	mg/Kg wet	0.200		96.9	70-130				
Carbon Tetrachloride	0.0188	0.0020	mg/Kg wet	0.0200		94.0	70-130				
Chlorobenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130				
Chlorodibromomethane	0.0198	0.0010	mg/Kg wet	0.0200		99.2	70-130				
Chloroethane	0.0182	0.020	mg/Kg wet	0.0200		90.9	70-130				
Chloroform	0.0186	0.0040	mg/Kg wet	0.0200		93.0	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312736 - SW-846 5035											
LCS (B312736-BS1)				Prepared & Analyzed: 07/12/22							
Chloromethane	0.0161	0.010	mg/Kg wet	0.0200		80.4	70-130				
2-Chlorotoluene	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130				
4-Chlorotoluene	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130				
1,2-Dibromoethane (EDB)	0.0197	0.0010	mg/Kg wet	0.0200		98.5	70-130				
Dibromomethane	0.0198	0.0020	mg/Kg wet	0.0200		99.2	70-130				
1,2-Dichlorobenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130				
1,3-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130				
1,4-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.9	70-130				
trans-1,4-Dichloro-2-butene	0.0212	0.0040	mg/Kg wet	0.0200		106	70-130				
Dichlorodifluoromethane (Freon 12)	0.0142	0.020	mg/Kg wet	0.0200		71.2	40-160			V-05	†
1,1-Dichloroethane	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130				
1,2-Dichloroethane	0.0185	0.0020	mg/Kg wet	0.0200		92.3	70-130				
1,1-Dichloroethylene	0.0180	0.0040	mg/Kg wet	0.0200		89.9	70-130				
cis-1,2-Dichloroethylene	0.0180	0.0020	mg/Kg wet	0.0200		89.9	70-130				
trans-1,2-Dichloroethylene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130				
1,2-Dichloropropane	0.0197	0.0020	mg/Kg wet	0.0200		98.5	70-130				
1,3-Dichloropropane	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130				
2,2-Dichloropropane	0.0180	0.0020	mg/Kg wet	0.0200		90.2	70-130				
1,1-Dichloropropene	0.0185	0.0020	mg/Kg wet	0.0200		92.3	70-130				
cis-1,3-Dichloropropene	0.0193	0.0010	mg/Kg wet	0.0200		96.4	70-130				
trans-1,3-Dichloropropene	0.0174	0.0010	mg/Kg wet	0.0200		86.9	70-130				
Diethyl Ether	0.0186	0.020	mg/Kg wet	0.0200		93.0	70-130				
Diisopropyl Ether (DIPE)	0.0192	0.0010	mg/Kg wet	0.0200		96.2	70-130				
1,4-Dioxane	0.219	0.10	mg/Kg wet	0.200		110	40-160				†
Ethylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130				
Hexachlorobutadiene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-160				
2-Hexanone (MBK)	0.232	0.020	mg/Kg wet	0.200		116	70-160			V-35	†
Isopropylbenzene (Cumene)	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130				
p-Isopropyltoluene (p-Cymene)	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130				
Methyl Acetate	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130				
Methyl tert-Butyl Ether (MTBE)	0.0178	0.0040	mg/Kg wet	0.0200		88.8	70-130				
Methyl Cyclohexane	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130				
Methylene Chloride	0.0178	0.020	mg/Kg wet	0.0200		89.1	40-160				†
4-Methyl-2-pentanone (MIBK)	0.224	0.020	mg/Kg wet	0.200		112	70-160				†
Naphthalene	0.0187	0.0040	mg/Kg wet	0.0200		93.4	40-130				†
n-Propylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130				
Styrene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130				
1,1,1,2-Tetrachloroethane	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130				
1,1,2,2-Tetrachloroethane	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130				
Tetrachloroethylene	0.0188	0.0020	mg/Kg wet	0.0200		94.1	70-130				
Tetrahydrofuran	0.0186	0.010	mg/Kg wet	0.0200		93.0	70-130				
Toluene	0.0182	0.0020	mg/Kg wet	0.0200		91.1	70-130				
1,2,3-Trichlorobenzene	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130				
1,2,4-Trichlorobenzene	0.0165	0.0020	mg/Kg wet	0.0200		82.7	70-130				
1,3,5-Trichlorobenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.1	70-130				
1,1,1-Trichloroethane	0.0193	0.0020	mg/Kg wet	0.0200		96.7	70-130				
1,1,2-Trichloroethane	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130				
Trichloroethylene	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130				
Trichlorofluoromethane (Freon 11)	0.0184	0.010	mg/Kg wet	0.0200		91.8	70-130				
1,2,3-Trichloropropane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312736 - SW-846 5035											
LCS (B312736-BS1)				Prepared & Analyzed: 07/12/22							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0200	0.010	mg/Kg wet	0.0200		99.9	70-130				
1,2,4-Trimethylbenzene	0.0178	0.0020	mg/Kg wet	0.0200		89.0	70-130				
1,3,5-Trimethylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130				
Vinyl Chloride	0.0173	0.010	mg/Kg wet	0.0200		86.6	40-130				†
m+p Xylene	0.0396	0.0040	mg/Kg wet	0.0400		98.9	70-130				
o-Xylene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0462*		mg/Kg wet	0.0500		92.5	70-130				
Surrogate: Toluene-d8	*0.0492*		mg/Kg wet	0.0500		98.4	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0499*		mg/Kg wet	0.0500		99.8	70-130				
LCS Dup (B312736-BSD1)				Prepared & Analyzed: 07/12/22							
Acetone	0.217	0.10	mg/Kg wet	0.200		108	70-160	6.60	25	V-35	†
Acrylonitrile	0.0210	0.0060	mg/Kg wet	0.0200		105	70-130	3.65	25		
tert-Amyl Methyl Ether (TAME)	0.0181	0.0010	mg/Kg wet	0.0200		90.7	70-130	2.29	25		
Benzene	0.0179	0.0020	mg/Kg wet	0.0200		89.6	70-130	0.889	25		
Bromobenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130	0.310	25		
Bromochloromethane	0.0195	0.0020	mg/Kg wet	0.0200		97.6	70-130	2.13	25		
Bromodichloromethane	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130	2.50	25		
Bromoform	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	1.92	25		
Bromomethane	0.0203	0.010	mg/Kg wet	0.0200		101	40-130	13.7	25	V-34	†
2-Butanone (MEK)	0.232	0.040	mg/Kg wet	0.200		116	70-160	6.13	25	V-35	†
tert-Butyl Alcohol (TBA)	0.198	0.10	mg/Kg wet	0.200		99.2	40-130	7.67	25		†
n-Butylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.0	70-130	0.758	25		
sec-Butylbenzene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130	0.00	25		
tert-Butylbenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-160	1.28	25		†
tert-Butyl Ethyl Ether (TBEE)	0.0159	0.0010	mg/Kg wet	0.0200		79.4	70-130	1.87	25		
Carbon Disulfide	0.193	0.010	mg/Kg wet	0.200		96.5	70-130	0.331	25		
Carbon Tetrachloride	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130	0.962	25		
Chlorobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.5	70-130	0.429	25		
Chlorodibromomethane	0.0195	0.0010	mg/Kg wet	0.0200		97.4	70-130	1.83	25		
Chloroethane	0.0184	0.020	mg/Kg wet	0.0200		91.9	70-130	1.09	25		
Chloroform	0.0187	0.0040	mg/Kg wet	0.0200		93.4	70-130	0.429	25		
Chloromethane	0.0160	0.010	mg/Kg wet	0.0200		80.1	70-130	0.374	25		
2-Chlorotoluene	0.0197	0.0020	mg/Kg wet	0.0200		98.5	70-130	0.509	25		
4-Chlorotoluene	0.0194	0.0020	mg/Kg wet	0.0200		97.0	70-130	0.514	25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130	3.54	25		
1,2-Dibromoethane (EDB)	0.0193	0.0010	mg/Kg wet	0.0200		96.4	70-130	2.15	25		
Dibromomethane	0.0197	0.0020	mg/Kg wet	0.0200		98.7	70-130	0.505	25		
1,2-Dichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130	0.551	25		
1,3-Dichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.0	70-130	1.54	25		
1,4-Dichlorobenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.3	70-130	0.449	25		
trans-1,4-Dichloro-2-butene	0.0204	0.0040	mg/Kg wet	0.0200		102	70-130	3.85	25		
Dichlorodifluoromethane (Freon 12)	0.0141	0.020	mg/Kg wet	0.0200		70.7	40-160	0.705	25	V-05	†
1,1-Dichloroethane	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130	0.537	25		
1,2-Dichloroethane	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130	1.20	25		
1,1-Dichloroethylene	0.0178	0.0040	mg/Kg wet	0.0200		88.8	70-130	1.23	25		
cis-1,2-Dichloroethylene	0.0177	0.0020	mg/Kg wet	0.0200		88.6	70-130	1.46	25		
trans-1,2-Dichloroethylene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	0.658	25		
1,2-Dichloropropane	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	2.21	25		
1,3-Dichloropropane	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130	0.199	25		
2,2-Dichloropropane	0.0178	0.0020	mg/Kg wet	0.0200		89.0	70-130	1.34	25		
1,1-Dichloropropene	0.0184	0.0020	mg/Kg wet	0.0200		92.0	70-130	0.326	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312736 - SW-846 5035											
LCS Dup (B312736-BSD1)				Prepared & Analyzed: 07/12/22							
cis-1,3-Dichloropropene	0.0192	0.0010	mg/Kg wet	0.0200		96.2	70-130	0.208	25		
trans-1,3-Dichloropropene	0.0172	0.0010	mg/Kg wet	0.0200		85.8	70-130	1.27	25		
Diethyl Ether	0.0183	0.020	mg/Kg wet	0.0200		91.5	70-130	1.63	25		
Diisopropyl Ether (DIPE)	0.0189	0.0010	mg/Kg wet	0.0200		94.5	70-130	1.78	25		
1,4-Dioxane	0.212	0.10	mg/Kg wet	0.200		106	40-160	3.39	50		† ‡
Ethylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130	0.314	25		
Hexachlorobutadiene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-160	2.36	25		
2-Hexanone (MBK)	0.221	0.020	mg/Kg wet	0.200		111	70-160	4.72	25	V-35	†
Isopropylbenzene (Cumene)	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130	0.630	25		
p-Isopropyltoluene (p-Cymene)	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130	0.551	25		
Methyl Acetate	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	2.11	25		
Methyl tert-Butyl Ether (MTBE)	0.0173	0.0040	mg/Kg wet	0.0200		86.6	70-130	2.51	25		
Methyl Cyclohexane	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130	2.48	25		
Methylene Chloride	0.0177	0.020	mg/Kg wet	0.0200		88.5	40-160	0.676	25		†
4-Methyl-2-pentanone (MIBK)	0.213	0.020	mg/Kg wet	0.200		107	70-160	5.02	25		†
Naphthalene	0.0179	0.0040	mg/Kg wet	0.0200		89.3	40-130	4.49	25		†
n-Propylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130	0.306	25		
Styrene	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130	0.615	25		
1,1,1,2-Tetrachloroethane	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	1.79	25		
1,1,2,2-Tetrachloroethane	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130	2.16	25		
Tetrachloroethylene	0.0187	0.0020	mg/Kg wet	0.0200		93.6	70-130	0.533	25		
Tetrahydrofuran	0.0185	0.010	mg/Kg wet	0.0200		92.7	70-130	0.323	25		
Toluene	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	0.220	25		
1,2,3-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130	2.47	25		
1,2,4-Trichlorobenzene	0.0158	0.0020	mg/Kg wet	0.0200		78.9	70-130	4.70	25		
1,3,5-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.0	70-130	3.62	25		
1,1,1-Trichloroethane	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130	1.25	25		
1,1,2-Trichloroethane	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130	0.917	25		
Trichloroethylene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130	1.37	25		
Trichlorofluoromethane (Freon 11)	0.0182	0.010	mg/Kg wet	0.0200		91.2	70-130	0.656	25		
1,2,3-Trichloropropane	0.0199	0.0020	mg/Kg wet	0.0200		99.3	70-130	4.43	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0203	0.010	mg/Kg wet	0.0200		101	70-130	1.49	25		
1,2,4-Trimethylbenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.6	70-130	0.672	25		
1,3,5-Trimethylbenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.0	70-130	0.211	25		
Vinyl Chloride	0.0170	0.010	mg/Kg wet	0.0200		85.1	40-130	1.75	25		†
m+p Xylene	0.0396	0.0040	mg/Kg wet	0.0400		98.9	70-130	0.00	25		
o-Xylene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130	0.207	25		
Surrogate: 1,2-Dichloroethane-d4	*0.0450*		mg/Kg wet	0.0500		90.0	70-130				
Surrogate: Toluene-d8	*0.0491*		mg/Kg wet	0.0500		98.2	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0496*		mg/Kg wet	0.0500		99.3	70-130				

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312998 - SW-846 3546										
Blank (B312998-BLK1)				Prepared: 07/14/22 Analyzed: 07/18/22						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.194*		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.182*		mg/Kg wet	0.200		91.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.200		88.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.154*		mg/Kg wet	0.200		77.0	30-150			
LCS (B312998-BS1)				Prepared: 07/14/22 Analyzed: 07/18/22						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		75.2	40-140			
Aroclor-1016 [2C]	0.13	0.020	mg/Kg wet	0.200		65.9	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		72.1	40-140			
Aroclor-1260 [2C]	0.12	0.020	mg/Kg wet	0.200		59.9	40-140			
Surrogate: Decachlorobiphenyl	*0.189*		mg/Kg wet	0.200		94.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.177*		mg/Kg wet	0.200		88.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg wet	0.200		86.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.150*		mg/Kg wet	0.200		74.8	30-150			
LCS Dup (B312998-BSD1)				Prepared: 07/14/22 Analyzed: 07/18/22						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		77.4	40-140	2.95	30	
Aroclor-1016 [2C]	0.14	0.020	mg/Kg wet	0.200		69.9	40-140	5.82	30	
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		73.7	40-140	2.20	30	
Aroclor-1260 [2C]	0.12	0.020	mg/Kg wet	0.200		62.1	40-140	3.63	30	
Surrogate: Decachlorobiphenyl	*0.190*		mg/Kg wet	0.200		95.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.177*		mg/Kg wet	0.200		88.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.200		88.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.154*		mg/Kg wet	0.200		76.8	30-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313054 - SW-846 7471										
Blank (B313054-BLK1)				Prepared: 07/15/22 Analyzed: 07/16/22						
Mercury	ND	0.024	mg/Kg wet							
LCS (B313054-BS1)				Prepared: 07/15/22 Analyzed: 07/16/22						
Mercury	22.0	3.9	mg/Kg wet	18.9		116	68.8-131.2			
LCS Dup (B313054-BSD1)				Prepared: 07/15/22 Analyzed: 07/16/22						
Mercury	20.9	3.9	mg/Kg wet	18.9		110	68.8-131.2	5.26	20	
Batch B313194 - SW-846 3050B										
Blank (B313194-BLK1)				Prepared: 07/18/22 Analyzed: 08/01/22						
Arsenic	ND	3.2	mg/Kg wet							
Barium	ND	1.6	mg/Kg wet							
Cadmium	ND	0.32	mg/Kg wet							
Chromium	ND	0.63	mg/Kg wet							
Lead	ND	0.48	mg/Kg wet							
Selenium	ND	3.2	mg/Kg wet							
Silver	ND	0.32	mg/Kg wet							
LCS (B313194-BS1)				Prepared: 07/18/22 Analyzed: 08/01/22						
Arsenic	81.8	10	mg/Kg wet	84.5		96.8	82.8-117.2			
Barium	264	5.0	mg/Kg wet	249		106	82.7-117.3			
Cadmium	95.5	1.0	mg/Kg wet	99.0		96.5	83-117.2			
Chromium	124	2.0	mg/Kg wet	122		101	82.8-118			
Lead	125	1.5	mg/Kg wet	123		102	83.7-117.1			
Selenium	117	10	mg/Kg wet	121		96.7	80.1-120.7			
Silver	44.8	1.0	mg/Kg wet	44.1		102	80.5-119.7			
LCS Dup (B313194-BSD1)				Prepared: 07/18/22 Analyzed: 08/01/22						
Arsenic	81.8	9.9	mg/Kg wet	84.5		96.8	82.8-117.2	0.0363	30	
Barium	257	4.9	mg/Kg wet	249		103	82.7-117.3	2.67	20	
Cadmium	95.3	0.99	mg/Kg wet	99.0		96.3	83-117.2	0.222	20	
Chromium	122	2.0	mg/Kg wet	122		100	82.8-118	1.38	30	
Lead	124	1.5	mg/Kg wet	123		101	83.7-117.1	0.964	30	
Selenium	112	9.9	mg/Kg wet	121		92.9	80.1-120.7	4.03	30	
Silver	45.2	0.99	mg/Kg wet	44.1		103	80.5-119.7	0.950	30	
Reference (B313194-SRM1) MRL CHECK				Prepared: 07/18/22 Analyzed: 08/01/22						
Lead	0.520	0.49	mg/Kg wet	0.493		105	80-120			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312608 - % Solids										
Duplicate (B312608-DUP3)	**Source: 22G0476-04**		Prepared: 07/08/22 Analyzed: 07/09/22							
% Solids	84.8		% Wt		83.3			1.79	5	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

SB-3 (0-2)

Lab Sample ID: 22G0476-06

Date(s) Analyzed: 07/20/2022 07/20/2022

Instrument ID (1): ECD 9

Instrument ID (2): ECD 9

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1268	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.8	25.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B312998-BS1 Date(s) Analyzed: 07/18/2022 07/18/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.13	14.3
Aroclor-1260	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.12	15.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B312998-BSD1 Date(s) Analyzed: 07/18/2022 07/18/2022

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.14	13.3
Aroclor-1260	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.12	22.2

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
PR-03a	Sample preserved in the laboratory, not in the field as required by the method and outside the 48 hour holding time.
S-24	Surrogate recovery is biased high due to the presence of Aroclor 1268 in the sample. Aroclor 1268 contains decachlorobiphenyl.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.
Z-01	Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8260D in Soil	
Acetone	CT,NH,NY,ME,VA
Acrylonitrile	CT,NH,NY,ME,VA
Benzene	CT,NH,NY,ME,VA
Bromobenzene	NH,NY,ME,VA
Bromochloromethane	NH,NY,ME,VA
Bromodichloromethane	CT,NH,NY,ME,VA
Bromoform	CT,NH,NY,ME,VA
Bromomethane	CT,NH,NY,ME,VA
2-Butanone (MEK)	CT,NH,NY,ME,VA
tert-Butyl Alcohol (TBA)	NY,ME
n-Butylbenzene	CT,NH,NY,ME,VA
sec-Butylbenzene	CT,NH,NY,ME,VA
tert-Butylbenzene	CT,NH,NY,ME,VA
Carbon Disulfide	CT,NH,NY,ME,VA
Carbon Tetrachloride	CT,NH,NY,ME,VA
Chlorobenzene	CT,NH,NY,ME,VA
Chlorodibromomethane	CT,NH,NY,ME,VA
Chloroethane	CT,NH,NY,ME,VA
Chloroform	CT,NH,NY,ME,VA
Chloromethane	CT,NH,NY,ME,VA
2-Chlorotoluene	CT,NH,NY,ME,VA
4-Chlorotoluene	CT,NH,NY,ME,VA
1,2-Dibromo-3-chloropropane (DBCP)	NY,ME
1,2-Dibromoethane (EDB)	NH,NY
Dibromomethane	NH,NY,ME,VA
1,2-Dichlorobenzene	CT,NH,NY,ME,VA
1,3-Dichlorobenzene	CT,NH,NY,ME,VA
1,4-Dichlorobenzene	CT,NH,NY,ME,VA
trans-1,4-Dichloro-2-butene	NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,VA
1,1-Dichloroethane	CT,NH,NY,ME,VA
1,2-Dichloroethane	CT,NH,NY,ME,VA
1,1-Dichloroethylene	CT,NH,NY,ME,VA
cis-1,2-Dichloroethylene	CT,NH,NY,ME,VA
trans-1,2-Dichloroethylene	CT,NH,NY,ME,VA
1,2-Dichloropropane	CT,NH,NY,ME,VA
1,3-Dichloropropane	NH,NY,ME,VA
2,2-Dichloropropane	NH,NY,ME,VA
1,1-Dichloropropene	NH,NY,ME,VA
cis-1,3-Dichloropropene	CT,NH,NY,ME,VA
trans-1,3-Dichloropropene	CT,NH,NY,ME,VA
Diethyl Ether	ME
1,4-Dioxane	NY,ME
Ethylbenzene	CT,NH,NY,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Soil	
Hexachlorobutadiene	NH,NY,ME,VA
2-Hexanone (MBK)	CT,NH,NY,ME,VA
Isopropylbenzene (Cumene)	CT,NH,NY,ME,VA
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl Acetate	NY,ME
Methyl tert-Butyl Ether (MTBE)	NY,ME,VA
Methyl Cyclohexane	NY
Methylene Chloride	CT,NH,NY,ME,VA
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME,VA
Naphthalene	NH,NY,ME,VA
n-Propylbenzene	NH,NY,ME
Styrene	CT,NH,NY,ME,VA
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME,VA
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,VA
Tetrachloroethylene	CT,NH,NY,ME,VA
Toluene	CT,NH,NY,ME,VA
1,2,3-Trichlorobenzene	NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME,VA
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NH,NY,ME,VA
1,1,2-Trichloroethane	CT,NH,NY,ME,VA
Trichloroethylene	CT,NH,NY,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,VA
1,2,3-Trichloropropane	NH,NY,ME,VA
1,2,4-Trimethylbenzene	CT,NH,NY,ME,VA
1,3,5-Trimethylbenzene	CT,NH,NY,ME,VA
Vinyl Chloride	CT,NH,NY,ME,VA
m+p Xylene	CT,NH,NY,ME,VA
o-Xylene	CT,NH,NY,ME,VA

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

L260474

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella Associates
Address:	5 McCrea Hill Road
Phone:	518-885-5383
Project Name:	Former Barnet Mills Property
Project Location:	20 Forbes Avenue, Rensselaer
Project Number:	2220630
Project Manager:	Arlette St. Romain
Pace Analytical Quote Name/Number	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: see comments section
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB	RCRA Metals	Full list VOC									# of Containers
1	SB-1 (15-20)	7/7/22	1413		X	S	U	X	X										
2	SB-2 (15-20)	7/7/22	1405		X	S	U	X	X										
3	SB-3 (15-20)	7/7/22	1410		X	S	U	X	X										
4	SB-1 (0-2)	7/7/22	1408		X	S	U	X											
5	SB-2 (0-2)	7/7/22	1403		X	S	U	X											
6	SB-3 (0-2)	7/7/22	1415		X	S	U	X											
7	SB-4 (15-20)	7/7/22	1420		X	S	U			X									
8	SB-5 (0-2)	7/7/22	1432		X	S	U	X											
9	SB-6 (0-2)	7/7/22	1434		X	S	U	X											
10	SB-7 (0-2)	7/7/22	1418		X	S	U	X											

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Please Email reports to:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7.7.22 1615
Received by: (signature) PACE	Date/Time: 7/8/22 9:17
Relinquished by: (signature) PACE	Date/Time: 7/8/22 3:40
Received by: (signature)	Date/Time: 7/8/22 3:40
Relinquished by: (signature)	Date/Time: 7/8/22 5:05
Received by: (signature) 4.2	Date/Time: 7/8 1605

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

2220476

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella Associates
Address:	5 McCrea Hill Road
Phone:	518-885-5383
Project Name:	Former Barnet Mills Property
Project Location:	20 Forbes Avenue, Rensselaer
Project Number:	2220630
Project Manager:	Arlette St. Romain
Pace Analytical Quote Name/Number	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: see comments section
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1] Matrix Code	Conc Code	PCB	# of Containers	[2] Preservation Code	[3] Container Code
11	SB-8 (0-2)	7/7/22	1423		X	S	U	X			
12	SB-9 (0-2)	7/7/22	1425		X	S	U	X			
13	SB-10 (0-2)	7/7/22	1430		X	S	U	X			
14	SB-11 (0-2)	7/7/22	1435		X	S	U	X			

ANALYSIS REQUESTED

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

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A = Amber Glass
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O = Other (please define)

Comments: Please Email reports to:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

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Received by: (signature)	Date/Time: 7/8/22 9:17
Relinquished by: (signature)	Date/Time: 7/8/22 3:40
Received by: (signature)	Date/Time: 7/8/22 3:40
Relinquished by: (signature)	Date/Time: 7/8/22 5:05
Received by: (signature) 4-2	Date/Time: 7/8 1605

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375

Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

Pace

Doc# 277 Rev 5 2017

Pace

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Labella Ass. Received By: JW Date: 07/08/22 Time: 1605

How were the samples received? In Cooler: T No Cooler: _____ On Ice: T No Ice: _____ Direct from Sampling: _____ Ambient: _____ Melted Ice: _____

By Gun #: 5 Actual Temp - 4.2

Were samples within Temperature? 2-6°C: T By Blank #: _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client: T Analysis: T Sampler Name: F

Project: T ID's: T Collection Dates/Times: F

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid: N/A Base: N/A

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	1
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

From: Strickland, Ben
Sent: Mon, 11 Jul 2022 14:51:15
To: Scott Basal
Cc: St.Romain, Arlette
Subject: RE: [Ext] 22G0476 - 8260 Acetone
Sensitivity: Normal
Archived: Wednesday, July 13, 2022 10:41:34 AM

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Scott,

Please run the samples for acetone. I assume there will qualifier next to the result explaining that the result is not NY certified?

Thanks,
Ben

Ben Strickland
LaBella Associates | Environmental Geologist

518-885-5383 ext. 221
518-470-3060 direct

-----Original Message-----
From: Scott Basal <Scott.Basal@pacelabs.com>
Sent: Monday, July 11, 2022 10:43 AM
To: Strickland, Ben <BStrickland@LaBellaPC.com>
Subject: [Ext] 22G0476 - 8260 Acetone
Importance: High

Hi Ben,

Can you please advise if we are running the acetone for the 8260 sample? (COC attached) We are not certified currently for this compound via 8260 for soil/solid samples taken in NY.
It will be a couple more weeks before we will find out if we are able to regain certification.

Scott Basal
Project Manager I
39 Spruce Street, East Longmeadow, MA 01028
Cell: 413.427.4513 | Lab: 413.525.2332

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August 12, 2022

Arlette St. Romain
Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020

Project Location: 20 Forbes Ave., Rensselaer, NY
Client Job Number:
Project Number: 2220630
Laboratory Work Order Number: 22G0477

Enclosed are results of analyses for samples as received by the laboratory on July 8, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott C. Basal
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020
ATTN: Arlette St. Romain

REPORT DATE: 8/12/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2220630

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22G0477

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 20 Forbes Ave., Rensselaer, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Temp Well 1	22G0477-01	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
Temp Well 2	22G0477-02	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
Temp Well 3	22G0477-03	Ground Water		SW-846 6020B	
				SW-846 7470A	
				SW-846 8260D	
Temp Well 4	22G0477-04	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 6020B

Qualifications:

B-07

Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

22G0477-01[Temp Well 1], 22G0477-02RE1[Temp Well 2], 22G0477-03RE1[Temp Well 3]

R-01

Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.

Analyte & Samples(s) Qualified:

Arsenic
B312809-DUP1

SW-846 8260D

Qualifications:

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,4-Dioxane
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1
2-Butanone (MEK)
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1
Acetone
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1
Naphthalene
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1
tert-Butyl Alcohol (TBA)
22G0477-01[Temp Well 1], 22G0477-02[Temp Well 2], 22G0477-03[Temp Well 3], 22G0477-04[Temp Well 4], B312675-BLK1, B312675-BS1, B312675-BSD1, S073783-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Chloromethane
B312675-BS1, B312675-BSD1, S073783-CCV1

Hexachlorobutadiene
B312675-BS1, B312675-BSD1, S073783-CCV1

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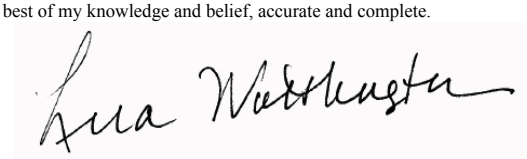
The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 1 Sampled: 7/7/2022 13:35

Sample ID: 22G0477-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 1 Sampled: 7/7/2022 13:35

Sample ID: 22G0477-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 15:38	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 15:38	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.4	70-130		7/11/22 15:38
Toluene-d8	97.7	70-130		7/11/22 15:38
4-Bromofluorobenzene	96.6	70-130		7/11/22 15:38

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 1 Sampled: 7/7/2022 13:35

Sample ID: 22G0477-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	1.4	0.80	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Barium	220	10	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Cadmium	4.3	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Chromium	38	1.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Lead	100	0.50	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/11/22	7/11/22 14:20	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW
Silver	0.92	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:02	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 1 Sampled: 7/7/2022 13:35

Sample ID: 22G0477-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Barium	44	10	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Cadmium	0.27	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Chromium	1.4	1.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/19/22	7/20/22 10:22	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:11	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY | Sample Description: | Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 2 | Sampled: 7/7/2022 13:10

Sample ID: 22G0477-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF

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Project Location: 20 Forbes Ave., Rensselaer, NY | Sample Description: | Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 2 | Sampled: 7/7/2022 13:10

Sample ID: 22G0477-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:02	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:02	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.2	70-130		7/11/22 16:02
Toluene-d8	100	70-130		7/11/22 16:02
4-Bromofluorobenzene	98.0	70-130		7/11/22 16:02

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 2 Sampled: 7/7/2022 13:10

Sample ID: 22G0477-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.1	0.80	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Barium	670	10	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Cadmium	20	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Chromium	130	1.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Lead	210	0.50	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/11/22	7/11/22 14:22	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW
Silver	0.22	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:05	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 2 Sampled: 7/7/2022 13:10

Sample ID: 22G0477-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Barium	33	10	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Cadmium	ND	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Chromium	1.3	1.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/19/22	7/20/22 10:24	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:15	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 3 Sampled: 7/7/2022 12:45

Sample ID: 22G0477-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 3 Sampled: 7/7/2022 12:45

Sample ID: 22G0477-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:26	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.0	70-130		7/11/22 16:26
Toluene-d8	99.4	70-130		7/11/22 16:26
4-Bromofluorobenzene	96.7	70-130		7/11/22 16:26

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 3 Sampled: 7/7/2022 12:45

Sample ID: 22G0477-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.2	0.80	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Barium	290	10	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Cadmium	1.6	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Chromium	38	1.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Lead	67	0.50	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/11/22	7/11/22 14:23	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW
Silver	0.34	0.20	µg/L	1		SW-846 6020B	7/15/22	7/21/22 12:15	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 3 Sampled: 7/7/2022 12:45

Sample ID: 22G0477-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.80	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Barium	46	10	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Cadmium	0.33	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Chromium	1.1	1.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Lead	ND	0.50	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/19/22	7/20/22 10:30	ATP
Selenium	ND	5.0	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW
Silver	ND	0.20	µg/L	1		SW-846 6020B	7/14/22	7/27/22 11:04	QNW

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Project Location: 20 Forbes Ave., Rensselaer, NY | Sample Description: | Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 4 | Sampled: 7/7/2022 14:00

Sample ID: 22G0477-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
2-Butanone (MEK)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF

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Project Location: 20 Forbes Ave., Rensselaer, NY Sample Description: Work Order: 22G0477

Date Received: 7/8/2022

Field Sample #: Temp Well 4 Sampled: 7/7/2022 14:00

Sample ID: 22G0477-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260D	7/11/22	7/11/22 16:50	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	7/11/22	7/11/22 16:50	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.5	70-130		7/11/22 16:50
Toluene-d8	98.5	70-130		7/11/22 16:50
4-Bromofluorobenzene	98.5	70-130		7/11/22 16:50

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312675 - SW-846 5030B										
Blank (B312675-BLK1)				Prepared & Analyzed: 07/11/22						
Acetone	ND	50	µg/L							V-05
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							V-05
tert-Butyl Alcohol (TBA)	ND	20	µg/L							V-05
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-05
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312675 - SW-846 5030B											
Blank (B312675-BLK1)				Prepared & Analyzed: 07/11/22							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L							V-05	
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*23.7*		µg/L	25.0		94.9	70-130				
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.9	70-130				
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.6	70-130				
LCS (B312675-BS1)				Prepared & Analyzed: 07/11/22							
Acetone	76.6	50	µg/L	100		76.6	70-160			V-05	†
Acrylonitrile	8.43	5.0	µg/L	10.0		84.3	70-130				
tert-Amyl Methyl Ether (TAME)	9.54	0.50	µg/L	10.0		95.4	70-130				
Benzene	9.80	1.0	µg/L	10.0		98.0	70-130				
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130				
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130				
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130				
Bromoform	10.5	1.0	µg/L	10.0		105	70-130				
Bromomethane	10.8	2.0	µg/L	10.0		108	40-160				†
2-Butanone (MEK)	78.5	20	µg/L	100		78.5	40-160			V-05	†
tert-Butyl Alcohol (TBA)	69.8	20	µg/L	100		69.8	40-160			V-05	†
n-Butylbenzene	8.92	1.0	µg/L	10.0		89.2	70-130				
sec-Butylbenzene	9.85	1.0	µg/L	10.0		98.5	70-130				
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.55	0.50	µg/L	10.0		95.5	70-130				
Carbon Disulfide	96.5	5.0	µg/L	100		96.5	70-130				
Carbon Tetrachloride	10.7	5.0	µg/L	10.0		107	70-130				
Chlorobenzene	10.9	1.0	µg/L	10.0		109	70-130				
Chlorodibromomethane	10.8	0.50	µg/L	10.0		108	70-130				
Chloroethane	11.0	2.0	µg/L	10.0		110	70-130				
Chloroform	10.2	2.0	µg/L	10.0		102	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312675 - SW-846 5030B											
LCS (B312675-BS1)				Prepared & Analyzed: 07/11/22							
Chloromethane	12.8	2.0	µg/L	10.0		128	40-160			V-20	†
2-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130				
4-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.38	5.0	µg/L	10.0		83.8	70-130				
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130				
Dibromomethane	10.2	1.0	µg/L	10.0		102	70-130				
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
trans-1,4-Dichloro-2-butene	9.27	2.0	µg/L	10.0		92.7	70-130				
Dichlorodifluoromethane (Freon 12)	9.61	2.0	µg/L	10.0		96.1	40-160				†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100	70-130				
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130				
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109	70-130				
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104	70-130				
2,2-Dichloropropane	10.1	1.0	µg/L	10.0		101	40-130				†
1,1-Dichloropropene	10.3	2.0	µg/L	10.0		103	70-130				
cis-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130				
trans-1,3-Dichloropropene	9.63	0.50	µg/L	10.0		96.3	70-130				
Diethyl Ether	9.10	2.0	µg/L	10.0		91.0	70-130				
Diisopropyl Ether (DIPE)	10.1	0.50	µg/L	10.0		101	70-130				
1,4-Dioxane	77.0	50	µg/L	100		77.0	40-130			V-05	†
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130				
Hexachlorobutadiene	11.8	0.60	µg/L	10.0		118	70-130			V-20	
2-Hexanone (MBK)	84.0	10	µg/L	100		84.0	70-160				†
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130				
p-Isopropyltoluene (p-Cymene)	9.51	1.0	µg/L	10.0		95.1	70-130				
Methyl Acetate	10.2	1.0	µg/L	10.0		102	70-130				
Methyl tert-Butyl Ether (MTBE)	10.4	1.0	µg/L	10.0		104	70-130				
Methyl Cyclohexane	9.82	1.0	µg/L	10.0		98.2	70-130				
Methylene Chloride	9.67	5.0	µg/L	10.0		96.7	70-130				
4-Methyl-2-pentanone (MIBK)	90.1	10	µg/L	100		90.1	70-160				†
Naphthalene	6.34	2.0	µg/L	10.0		63.4	40-130			V-05	†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
Styrene	10.7	1.0	µg/L	10.0		107	70-130				
1,1,1,2-Tetrachloroethane	11.1	1.0	µg/L	10.0		111	70-130				
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102	70-130				
Tetrachloroethylene	11.4	1.0	µg/L	10.0		114	70-130				
Tetrahydrofuran	9.22	10	µg/L	10.0		92.2	70-130				
Toluene	10.6	1.0	µg/L	10.0		106	70-130				
1,2,3-Trichlorobenzene	8.31	5.0	µg/L	10.0		83.1	70-130				
1,2,4-Trichlorobenzene	8.58	1.0	µg/L	10.0		85.8	70-130				
1,3,5-Trichlorobenzene	9.41	1.0	µg/L	10.0		94.1	70-130				
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104	70-130				
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130				
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130				
Trichlorofluoromethane (Freon 11)	9.72	2.0	µg/L	10.0		97.2	70-130				
1,2,3-Trichloropropane	9.43	2.0	µg/L	10.0		94.3	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312675 - SW-846 5030B											
LCS (B312675-BS1)				Prepared & Analyzed: 07/11/22							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5	1.0	µg/L	10.0		105	70-130				
1,2,4-Trimethylbenzene	9.15	1.0	µg/L	10.0		91.5	70-130				
1,3,5-Trimethylbenzene	9.99	1.0	µg/L	10.0		99.9	70-130				
Vinyl Chloride	10.6	2.0	µg/L	10.0		106	40-160				†
m+p Xylene	21.0	2.0	µg/L	20.0		105	70-130				
o-Xylene	10.7	1.0	µg/L	10.0		107	70-130				
Surrogate: 1,2-Dichloroethane-d4	*23.4*		µg/L	25.0		93.4	70-130				
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.6	70-130				
LCS Dup (B312675-BSD1)				Prepared & Analyzed: 07/11/22							
Acetone	72.3	50	µg/L	100		72.3	70-160	5.85	25	V-05	†
Acrylonitrile	8.03	5.0	µg/L	10.0		80.3	70-130	4.86	25		
tert-Amyl Methyl Ether (TAME)	9.05	0.50	µg/L	10.0		90.5	70-130	5.27	25		
Benzene	9.79	1.0	µg/L	10.0		97.9	70-130	0.102	25		
Bromobenzene	9.91	1.0	µg/L	10.0		99.1	70-130	1.90	25		
Bromochloromethane	10.6	1.0	µg/L	10.0		106	70-130	2.05	25		
Bromodichloromethane	10.9	0.50	µg/L	10.0		109	70-130	0.00	25		
Bromoform	10.1	1.0	µg/L	10.0		101	70-130	3.59	25		
Bromomethane	9.69	2.0	µg/L	10.0		96.9	40-160	10.8	25		†
2-Butanone (MEK)	74.9	20	µg/L	100		74.9	40-160	4.69	25	V-05	†
tert-Butyl Alcohol (TBA)	68.1	20	µg/L	100		68.1	40-160	2.38	25	V-05	†
n-Butylbenzene	9.02	1.0	µg/L	10.0		90.2	70-130	1.11	25		
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130	3.00	25		
tert-Butylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.55	25		
tert-Butyl Ethyl Ether (TBEE)	9.20	0.50	µg/L	10.0		92.0	70-130	3.73	25		
Carbon Disulfide	97.1	5.0	µg/L	100		97.1	70-130	0.651	25		
Carbon Tetrachloride	10.9	5.0	µg/L	10.0		109	70-130	1.39	25		
Chlorobenzene	10.9	1.0	µg/L	10.0		109	70-130	0.276	25		
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106	70-130	1.95	25		
Chloroethane	10.6	2.0	µg/L	10.0		106	70-130	4.35	25		
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	0.989	25		
Chloromethane	11.8	2.0	µg/L	10.0		118	40-160	7.96	25	V-20	†
2-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	1.73	25		
4-Chlorotoluene	10.3	1.0	µg/L	10.0		103	70-130	1.36	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.19	5.0	µg/L	10.0		81.9	70-130	2.29	25		
1,2-Dibromoethane (EDB)	9.82	0.50	µg/L	10.0		98.2	70-130	4.19	25		
Dibromomethane	10.2	1.0	µg/L	10.0		102	70-130	0.0985	25		
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.289	25		
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	1.24	25		
1,4-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130	0.389	25		
trans-1,4-Dichloro-2-butene	7.66	2.0	µg/L	10.0		76.6	70-130	19.0	25		
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102	40-160	5.76	25		†
1,1-Dichloroethane	9.88	1.0	µg/L	10.0		98.8	70-130	1.41	25		
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130	1.59	25		
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	0.196	25		
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	0.0986	25		
trans-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101	70-130	2.06	25		
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130	4.69	25		
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130	1.64	25		
2,2-Dichloropropane	9.80	1.0	µg/L	10.0		98.0	40-130	2.62	25		†
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106	70-130	2.40	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B312675 - SW-846 5030B											
LCS Dup (B312675-BSD1)				Prepared & Analyzed: 07/11/22							
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104	70-130	3.11	25		
trans-1,3-Dichloropropene	9.56	0.50	µg/L	10.0		95.6	70-130	0.730	25		
Diethyl Ether	9.06	2.0	µg/L	10.0		90.6	70-130	0.441	25		
Diisopropyl Ether (DIPE)	9.74	0.50	µg/L	10.0		97.4	70-130	4.02	25		
1,4-Dioxane	79.6	50	µg/L	100		79.6	40-130	3.27	50	V-05	† ‡
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	0.675	25		
Hexachlorobutadiene	11.1	0.60	µg/L	10.0		111	70-130	5.87	25	V-20	
2-Hexanone (MBK)	80.8	10	µg/L	100		80.8	70-160	3.90	25		†
Isopropylbenzene (Cumene)	10.8	1.0	µg/L	10.0		108	70-130	0.185	25		
p-Isopropyltoluene (p-Cymene)	9.73	1.0	µg/L	10.0		97.3	70-130	2.29	25		
Methyl Acetate	9.93	1.0	µg/L	10.0		99.3	70-130	2.29	25		
Methyl tert-Butyl Ether (MTBE)	9.98	1.0	µg/L	10.0		99.8	70-130	4.22	25		
Methyl Cyclohexane	10.2	1.0	µg/L	10.0		102	70-130	3.70	25		
Methylene Chloride	9.47	5.0	µg/L	10.0		94.7	70-130	2.09	25		
4-Methyl-2-pentanone (MIBK)	86.9	10	µg/L	100		86.9	70-160	3.63	25		†
Naphthalene	5.81	2.0	µg/L	10.0		58.1	40-130	8.72	25	V-05	†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130	0.588	25		
Styrene	10.4	1.0	µg/L	10.0		104	70-130	2.18	25		
1,1,1,2-Tetrachloroethane	11.3	1.0	µg/L	10.0		113	70-130	1.52	25		
1,1,2,2-Tetrachloroethane	9.89	0.50	µg/L	10.0		98.9	70-130	3.18	25		
Tetrachloroethylene	11.6	1.0	µg/L	10.0		116	70-130	1.82	25		
Tetrahydrofuran	8.61	10	µg/L	10.0		86.1	70-130	6.84	25		
Toluene	10.7	1.0	µg/L	10.0		107	70-130	1.22	25		
1,2,3-Trichlorobenzene	7.94	5.0	µg/L	10.0		79.4	70-130	4.55	25		
1,2,4-Trichlorobenzene	8.44	1.0	µg/L	10.0		84.4	70-130	1.65	25		
1,3,5-Trichlorobenzene	9.78	1.0	µg/L	10.0		97.8	70-130	3.86	25		
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.669	25		
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	3.07	25		
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	2.03	25		
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0		101	70-130	3.74	25		
1,2,3-Trichloropropane	8.85	2.0	µg/L	10.0		88.5	70-130	6.35	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	1.0	µg/L	10.0		110	70-130	4.29	25		
1,2,4-Trimethylbenzene	9.33	1.0	µg/L	10.0		93.3	70-130	1.95	25		
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.79	25		
Vinyl Chloride	10.7	2.0	µg/L	10.0		107	40-160	0.469	25		†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130	1.29	25		
o-Xylene	10.8	1.0	µg/L	10.0		108	70-130	0.558	25		
Surrogate: 1,2-Dichloroethane-d4	*23.2*		µg/L	25.0		92.6	70-130				
Surrogate: Toluene-d8	*25.5*		µg/L	25.0		102	70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101	70-130				

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312670 - SW-846 7470A Prep										
Blank (B312670-BLK1)				Prepared & Analyzed: 07/11/22						
Mercury	ND	0.00010	mg/L							
LCS (B312670-BS1)				Prepared & Analyzed: 07/11/22						
Mercury	0.00420	0.00010	mg/L	0.00402		105	80-120			
LCS Dup (B312670-BSD1)				Prepared & Analyzed: 07/11/22						
Mercury	0.00437	0.00010	mg/L	0.00402		109	80-120	3.82	20	
Batch B312809 - SW-846 3005A										
Blank (B312809-BLK1)				Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
LCS (B312809-BS1)				Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	477	8.0	µg/L	500		95.3	80-120			
Barium	468	100	µg/L	500		93.7	80-120			
Cadmium	481	2.0	µg/L	500		96.2	80-120			
Chromium	488	10	µg/L	500		97.6	80-120			
Lead	477	5.0	µg/L	500		95.4	80-120			
Selenium	484	50	µg/L	500		96.9	80-120			
Silver	475	2.0	µg/L	500		95.1	80-120			
LCS Dup (B312809-BSD1)				Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	476	8.0	µg/L	500		95.2	80-120	0.109	20	
Barium	464	100	µg/L	500		92.9	80-120	0.906	20	
Cadmium	476	2.0	µg/L	500		95.2	80-120	1.06	20	
Chromium	487	10	µg/L	500		97.5	80-120	0.178	20	
Lead	470	5.0	µg/L	500		93.9	80-120	1.57	20	
Selenium	487	50	µg/L	500		97.4	80-120	0.546	20	
Silver	470	2.0	µg/L	500		94.0	80-120	1.10	20	
Duplicate (B312809-DUP1)	**Source: 22G0477-02**			Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	ND	0.80	µg/L		ND			NC	20	R-01
Barium	31.6	10	µg/L		31.3			0.933	20	
Cadmium	ND	0.20	µg/L		ND			NC	20	
Chromium	ND	1.0	µg/L		ND			NC	20	
Lead	ND	0.50	µg/L		ND			NC	20	
Selenium	ND	5.0	µg/L		ND			NC	20	
Silver	ND	2.0	µg/L		ND			NC	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312809 - SW-846 3005A										
Matrix Spike (B312809-MS1)	**Source: 22G0477-02**			Prepared: 07/12/22 Analyzed: 07/15/22						
Arsenic	472	8.0	µg/L	500	ND	94.4	75-125			
Barium	494	100	µg/L	500	31.3	92.5	75-125			
Cadmium	471	2.0	µg/L	500	ND	94.2	75-125			
Chromium	480	10	µg/L	500	ND	96.1	75-125			
Lead	467	5.0	µg/L	500	ND	93.4	75-125			
Selenium	474	50	µg/L	500	ND	94.8	75-125			
Silver	465	2.0	µg/L	500	ND	93.0	75-125			
Batch B313096 - SW-846 3005A										
Blank (B313096-BLK1)				Prepared: 07/15/22 Analyzed: 07/20/22						
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
LCS (B313096-BS1)				Prepared: 07/15/22 Analyzed: 07/20/22						
Arsenic	545	8.0	µg/L	500		109	80-120			
Barium	485	100	µg/L	500		97.0	80-120			
Cadmium	496	2.0	µg/L	500		99.2	80-120			
Chromium	513	10	µg/L	500		103	80-120			
Lead	495	5.0	µg/L	500		99.0	80-120			
Selenium	511	50	µg/L	500		102	80-120			
Silver	495	2.0	µg/L	500		98.9	80-120			
LCS Dup (B313096-BSD1)				Prepared: 07/15/22 Analyzed: 07/20/22						
Arsenic	516	8.0	µg/L	500		103	80-120	5.52	20	
Barium	466	100	µg/L	500		93.3	80-120	3.98	20	
Cadmium	474	2.0	µg/L	500		94.9	80-120	4.51	20	
Chromium	511	10	µg/L	500		102	80-120	0.529	20	
Lead	477	5.0	µg/L	500		95.4	80-120	3.70	20	
Selenium	487	50	µg/L	500		97.5	80-120	4.65	20	
Silver	475	2.0	µg/L	500		95.0	80-120	4.08	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313014 - SW-846 3005A Dissolved										
Blank (B313014-BLK1)				Prepared: 07/14/22 Analyzed: 07/26/22						
Arsenic	ND	0.80	µg/L							
Barium	ND	10	µg/L							
Cadmium	ND	0.20	µg/L							
Chromium	ND	1.0	µg/L							
Lead	ND	0.50	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.20	µg/L							
LCS (B313014-BS1)				Prepared: 07/14/22 Analyzed: 07/26/22						
Arsenic	525	8.0	µg/L	500		105	80-120			
Barium	529	100	µg/L	500		106	80-120			
Cadmium	528	2.0	µg/L	500		106	80-120			
Chromium	530	10	µg/L	500		106	80-120			
Lead	522	5.0	µg/L	500		104	80-120			
Selenium	509	50	µg/L	500		102	80-120			
Silver	511	2.0	µg/L	500		102	80-120			
LCS Dup (B313014-BSD1)				Prepared: 07/14/22 Analyzed: 07/26/22						
Arsenic	533	8.0	µg/L	500		107	80-120	1.56	20	
Barium	536	100	µg/L	500		107	80-120	1.45	20	
Cadmium	542	2.0	µg/L	500		108	80-120	2.48	20	
Chromium	537	10	µg/L	500		107	80-120	1.33	20	
Lead	535	5.0	µg/L	500		107	80-120	2.33	20	
Selenium	522	50	µg/L	500		104	80-120	2.60	20	
Silver	519	2.0	µg/L	500		104	80-120	1.44	20	
Duplicate (B313014-DUP1)	**Source: 22G0477-03**			Prepared: 07/14/22 Analyzed: 07/27/22						
Arsenic	ND	0.80	µg/L		ND			NC	20	
Barium	46.1	10	µg/L		46.0			0.317	20	
Cadmium	0.313	0.20	µg/L		0.325			3.98	20	
Chromium	ND	1.0	µg/L		1.13			NC	20	
Lead	ND	0.50	µg/L		ND			NC	20	
Selenium	ND	5.0	µg/L		ND			NC	20	
Silver	ND	0.20	µg/L		ND			NC	20	
Matrix Spike (B313014-MS1)	**Source: 22G0477-03**			Prepared: 07/14/22 Analyzed: 07/26/22						
Arsenic	533	8.0	µg/L	500	ND	107	75-125			
Barium	576	100	µg/L	500	46.0	106	75-125			
Cadmium	528	2.0	µg/L	500	0.325	106	75-125			
Chromium	527	10	µg/L	500	ND	105	75-125			
Lead	526	5.0	µg/L	500	ND	105	75-125			
Selenium	512	50	µg/L	500	ND	102	75-125			
Silver	502	2.0	µg/L	500	ND	100	75-125			

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313254 - SW-846 7470A Dissolved										
Blank (B313254-BLK1)				Prepared: 07/19/22 Analyzed: 07/20/22						
Mercury	ND	0.00010	mg/L							
LCS (B313254-BS1)				Prepared: 07/19/22 Analyzed: 07/20/22						
Mercury	0.00405	0.00010	mg/L	0.00402		101	80-120			
LCS Dup (B313254-BSD1)				Prepared: 07/19/22 Analyzed: 07/20/22						
Mercury	0.00368	0.00010	mg/L	0.00402		91.6	80-120	9.44	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B-07	Data is not affected by elevated level in laboratory blank since sample result is >10x level found in the blank.
R-01	Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6020B in Water	
Arsenic	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,NC,ME,VA
Barium	MA,NY,CT,NC,NH,ME,VA
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Cadmium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,NC,ME,VA
Lead	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,NC,ME,VA
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NC,NH,NY,ME,VA
Silver	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

2260477

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella Associates
Address:	5 McCrea Hill Road
Phone:	518-885-5383
Project Name:	Former Barnet Mills Property
Project Location:	20 Forbes Avenue, Rensselaer
Project Number:	
Project Manager:	Arlette St. Romain
Pace Analytical Quote Name/Number:	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: see comments section
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1]Matrix Code	Conc Code	RCRA Metals - Total	RCRA Metals - Dissolved	Full List VOC	# of Containers	[2] Preservation Code	[3] Container Code
1	Temp Well 1	7/7/22	1335		X	GW	U	X	X	X			
2	Temp Well 2	7/7/22	1310		X	GW	U	X	X	X			
3	Temp Well 3	7/7/22	1245		X	GW	U	X	X	X			
4	Temp Well 4	7/7/22	1400		X	GW	U			X			

ANALYSIS REQUESTED

Dissolved Metals Samples
☑ Field Filtered
☑ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Please Email reports to:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7.7.22 1615
Received by: (signature) CADC	Date/Time: 7/8/22 0917
Relinquished by: (signature) CADC	Date/Time: 7/8/22 3:40
Received by: (signature)	Date/Time: 7/8/22 3:40
Relinquished by: (signature)	Date/Time: 7/8/22 5:05
Received by: (signature) 4.2	Date/Time: 7/8 1605

Program & Regulatory Information
☐ AWQ STDS ☑ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other:

NELAC and AIHA-LAP, LLC Accredited

Other:
Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

Pace

Doc# 277 Rev 5 2017

Pace

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Labella Ass. | Received By: DW | Date: 07/08/22 | Time: 1605

How were the samples received? In Cooler: T | No Cooler: | On Ice: T | No Ice: | Direct from Sampling: | Ambient: | Melted Ice: | By Gun #: 5 | Actual Temp - 4.2 | By Blank #: | Actual Temp -

Were samples within Temperature? 2-6°C: T | Was Custody Seal Intact? N/A | Was COC Relinquished ? T | Were Samples Tampered with? N/A | Does Chain Agree With Samples? T | Are there broken/leaking/loose caps on any samples? F | Were samples received within holding time? T

Is COC in ink/ Legible? T | Did COC include all pertinent Information? Client: T, Project: T | Are Sample labels filled out and legible? T | Analysis: T | ID's: T | Sampler Name: F | Collection Dates/Times: F

Are there Lab to Filters? F | Are there Rushes? F | Are there Short Holds? F | Is there enough Volume? T | Is there Headspace where applicable? F | Proper Media/Containers Used? T | Were trip blanks received? F | Do all samples have the proper pH? | Acid: T

Who was notified? | Who was notified? | Who was notified?

MS/MSD? F | Is splitting samples required? F | On COC? F | Base: N/A

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	9	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	6	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

From: Strickland, Ben
Sent: Mon, 11 Jul 2022 14:51:15
To: Scott Basal
Cc: St.Romain, Arlette
Subject: RE: [Ext] 22G0476 - 8260 Acetone
Sensitivity: Normal
Archived: Wednesday, July 13, 2022 10:41:34 AM

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Scott,

Please run the samples for acetone. I assume there will qualifier next to the result explaining that the result is not NY certified?

Thanks,
Ben

Ben Strickland
LaBella Associates | Environmental Geologist

518-885-5383 ext. 221
518-470-3060 direct

-----Original Message-----
From: Scott Basal <Scott.Basal@pacelabs.com>
Sent: Monday, July 11, 2022 10:43 AM
To: Strickland, Ben <BStrickland@LaBellaPC.com>
Subject: [Ext] 22G0476 - 8260 Acetone
Importance: High

Hi Ben,

Can you please advise if we are running the acetone for the 8260 sample? (COC attached) We are not certified currently for this compound via 8260 for soil/solid samples taken in NY.
It will be a couple more weeks before we will find out if we are able to regain certification.

Scott Basal
Project Manager I
39 Spruce Street, East Longmeadow, MA 01028
Cell: 413.427.4513 | Lab: 413.525.2332

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August 11, 2022

Arlette St. Romain
Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020

Project Location: 20 Forbes Ave., Rensselaer, NY
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 22G0536

Enclosed are results of analyses for samples as received by the laboratory on July 11, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott C. Basal
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020
ATTN: Arlette St. Romain

REPORT DATE: 8/11/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22G0536

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 20 Forbes Ave., Rensselaer, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-4	22G0536-01	Ground Water		SOP-454 PFAS	
MW-8	22G0536-02	Ground Water		SOP-454 PFAS	
MW-11	22G0536-03	Ground Water		SOP-454 PFAS	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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Qualifications:

PF-17

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

M2-4:2FTS
22G0536-01[MW-4]

M2-6:2FTS
22G0536-01[MW-4]

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

d3-NMeFOSAA
22G0536-03[MW-11]

d5-NEtFOSAA
22G0536-03[MW-11]

M2-8:2FTS
22G0536-03[MW-11]

M2PFTA
22G0536-01[MW-4], 22G0536-03[MW-11]

M3HFPO-DA
22G0536-01[MW-4], 22G0536-03[MW-11]

M6PFDA
22G0536-03[MW-11]

M7PFUnA
22G0536-03[MW-11]

M8FOSA
22G0536-01[MW-4], 22G0536-03[MW-11]

M8PFOA
22G0536-03[MW-11]

M8PFOS
22G0536-03[MW-11]

M9PFNA
22G0536-03[MW-11]

MPFBA
22G0536-01[MW-4], 22G0536-03[MW-11]

MPFDoA
22G0536-01[MW-4], 22G0536-03[MW-11]

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Perfluorooctanoic acid (PFOA)
S075081-CCV2

V-20

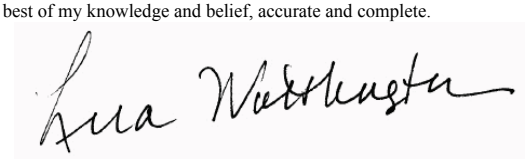
Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Hexafluoropropylene oxide dimer a
S075081-CCV2

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 20 Forbes Ave., Rensselaer, NY | Sample Description: | Work Order: 22G0536

Date Received: 7/11/2022

Field Sample #: MW-4 | Sampled: 7/8/2022 09:00

Sample ID: 22G0536-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoropentanoic acid (PFPeA)	2.7	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
N-EtFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
N-MeFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorooctanoic acid (PFOA)	2.3	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorooctanesulfonic acid (PFOS)	1.9	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:00	BLH

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Project Location: 20 Forbes Ave., Rensselaer, NY | Sample Description: | Work Order: 22G0536

Date Received: 7/11/2022

Field Sample #: MW-8 | Sampled: 7/8/2022 09:30

Sample ID: 22G0536-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoropentanoic acid (PFPeA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
N-EtFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
N-MeFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorooctanoic acid (PFOA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:07	BLH

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Project Location: 20 Forbes Ave., Rensselaer, NY | Sample Description: | Work Order: 22G0536

Date Received: 7/11/2022

Field Sample #: MW-11 | Sampled: 7/8/2022 10:15

Sample ID: 22G0536-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.5	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoropentanoic acid (PFPeA)	4.1	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
11Cl-PF3OUdS (F53B Major)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
9Cl-PF3ONS (F53B Minor)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorodecanoic acid (PFDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
N-EtFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
N-MeFOSAA	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoropetanesulfonic acid (PFPeS)	4.8	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorooctanoic acid (PFOA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH
Perfluorononanoic acid (PFNA)	ND	1.6	ng/L	1		SOP-454 PFAS	7/29/22	8/4/22 19:14	BLH

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313861 - SOP 454-PFAAS										
Blank (B313861-BLK1)				Prepared: 07/29/22 Analyzed: 08/04/22						
Perfluorobutanoic acid (PFBA)	ND	1.8	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.8	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.8	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.8	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.8	ng/L							
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.8	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.8	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	ng/L							
N-EtFOSAA	ND	1.8	ng/L							
N-MeFOSAA	ND	1.8	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	1.8	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	1.8	ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	1.8	ng/L							
Perfluorooctanesulfonamide (FOSA)	ND	1.8	ng/L							
Perfluorononanesulfonic acid (PFNS)	ND	1.8	ng/L							
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.8	ng/L							
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.8	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	ng/L							
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.8	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.8	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.8	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.8	ng/L							
LCS (B313861-BS1)				Prepared: 07/29/22 Analyzed: 08/04/22						
Perfluorobutanoic acid (PFBA)	10.7	1.9	ng/L	9.32		114	73-129			
Perfluorobutanesulfonic acid (PFBS)	8.99	1.9	ng/L	8.24		109	72-130			
Perfluoropentanoic acid (PFPeA)	10.6	1.9	ng/L	9.32		113	72-129			
Perfluorohexanoic acid (PFHxA)	10.4	1.9	ng/L	9.32		112	72-129			
11Cl-PF3OUdS (F53B Major)	8.71	1.9	ng/L	8.78		99.2	50-150			
9Cl-PF3ONS (F53B Minor)	8.63	1.9	ng/L	8.68		99.4	50-150			
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	9.27	1.9	ng/L	8.78		106	50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	6.31	1.9	ng/L	9.32		67.8	50-150			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.91	1.9	ng/L	8.94		99.6	67-138			
Perfluorodecanoic acid (PFDA)	10.0	1.9	ng/L	9.32		107	71-129			
Perfluorododecanoic acid (PFDoA)	9.77	1.9	ng/L	9.32		105	72-134			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.63	1.9	ng/L	8.29		104	50-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B313861 - SOP 454-PFAAS										
LCS (B313861-BS1)				Prepared: 07/29/22 Analyzed: 08/04/22						
Perfluoroheptanesulfonic acid (PFHpS)	8.52	1.9	ng/L	8.90		95.7	69-134			
N-EtFOSAA	11.5	1.9	ng/L	9.32		123	61-135			
N-MeFOSAA	12.4	1.9	ng/L	9.32		133	65-136			
Perfluorotetradecanoic acid (PFTA)	10.6	1.9	ng/L	9.32		114	71-132			
Perfluorotridecanoic acid (PFTrDA)	11.1	1.9	ng/L	9.32		119	65-144			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	9.51	1.9	ng/L	8.71		109	63-143			
Perfluorodecanesulfonic acid (PFDS)	8.11	1.9	ng/L	8.99		90.2	53-142			
Perfluorooctanesulfonamide (FOSA)	9.60	1.9	ng/L	9.32		103	67-137			
Perfluorononanesulfonic acid (PFNS)	8.81	1.9	ng/L	8.94		98.5	69-127			
Perfluoro-1-hexanesulfonamide (FHxSA)	11.4	1.9	ng/L	9.32		122	50-150			
Perfluoro-1-butanesulfonamide (FBSA)	10.2	1.9	ng/L	9.32		109	50-150			
Perfluorohexanesulfonic acid (PFHxS)	9.59	1.9	ng/L	8.52		112	68-131			
Perfluoro-4-oxapentanoic acid (PFMPA)	9.37	1.9	ng/L	9.32		101	50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	10.3	1.9	ng/L	9.32		110	50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	9.80	1.9	ng/L	8.85		111	64-140			
Perfluoropetanesulfonic acid (PFPeS)	10.6	1.9	ng/L	8.76		121	71-127			
Perfluoroundecanoic acid (PFUnA)	10.2	1.9	ng/L	9.32		110	69-133			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.18	1.9	ng/L	9.32		98.5	50-150			
Perfluoroheptanoic acid (PFHpA)	10.4	1.9	ng/L	9.32		111	72-130			
Perfluorooctanoic acid (PFOA)	11.6	1.9	ng/L	9.32		124	71-133			
Perfluorooctanesulfonic acid (PFOS)	8.81	1.9	ng/L	8.62		102	65-140			
Perfluorononanoic acid (PFNA)	11.9	1.9	ng/L	9.32		128	69-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
PF-17	Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.
S-29	Extracted Internal Standard is outside of control limits.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW-4 (22G0536-01)			Lab File ID: 22G0536-01.d			Analyzed: 08/04/22 19:00			
M8FOSA	64271.81	4.004567	332,486.00	4.00455	19	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	361102.3	2.496833	206,351.00	2.505033	175	50 - 150	-0.0082	+/-0.50	*
M2PFTA	52587.15	4.345933	1,423,107.00	4.345917	04	50 - 150	0.0000	+/-0.50	*
M2-8:2FTS	166729.6	3.810767	149,116.00	3.81075	112	50 - 150	0.0000	+/-0.50	
MPFBA	170124.7	1.066783	506,928.00	1.075083	34	50 - 150	-0.0083	+/-0.50	*
M3HFPO-DA	87760.69	2.839317	196,481.00	2.847483	45	50 - 150	-0.0082	+/-0.50	*
M6PFDA	450238.4	3.8113	719,317.00	3.811283	63	50 - 150	0.0000	+/-0.50	
M3PFBS	116097.9	1.894967	152,226.00	1.90325	76	50 - 150	-0.0083	+/-0.50	
M7PFUnA	546740.6	3.962033	989,921.00	3.962017	55	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	209668	3.453283	123,959.00	3.453267	169	50 - 150	0.0000	+/-0.50	*
M5PFPeA	294780.7	1.7231	475,823.00	1.731383	62	50 - 150	-0.0083	+/-0.50	
M5PFHxA	708812.6	2.580567	917,895.00	2.596967	77	50 - 150	-0.0164	+/-0.50	
M3PFHxS	105646.9	3.21835	140,133.00	3.226417	75	50 - 150	-0.0081	+/-0.50	
M4PFHpA	846362.6	3.18695	1,082,599.00	3.186933	78	50 - 150	0.0000	+/-0.50	
M8PFOA	686247.8	3.469933	996,510.00	3.469917	69	50 - 150	0.0000	+/-0.50	
M8PFOS	78436.23	3.66015	133,024.00	3.660133	59	50 - 150	0.0000	+/-0.50	
M9PFNA	455273.9	3.661183	735,984.00	3.661167	62	50 - 150	0.0000	+/-0.50	
MPFDoA	309742.7	4.09665	1,117,487.00	4.096633	28	50 - 150	0.0000	+/-0.50	*
d5-NEtFOSAA	196890.9	3.9695	276,941.00	3.969483	71	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	202227.8	3.88975	316,522.00	3.889733	64	50 - 150	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW-8 (22G0536-02)			Lab File ID: 22G0536-02.d			Analyzed: 08/04/22 19:07			
M8FOSA	216841.1	4.01255	332,486.00	4.00455	65	50 - 150	0.0080	+/-0.50	
M2-4:2FTS	120833.6	2.513233	206,351.00	2.505033	59	50 - 150	0.0082	+/-0.50	
M2PFTA	809580.9	4.345933	1,423,107.00	4.345917	57	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	90214.99	3.818733	149,116.00	3.81075	60	50 - 150	0.0080	+/-0.50	
MPFBA	354177.9	1.075083	506,928.00	1.075083	70	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	146733.5	2.855667	196,481.00	2.847483	75	50 - 150	0.0082	+/-0.50	
M6PFDA	525565.8	3.81925	719,317.00	3.811283	73	50 - 150	0.0080	+/-0.50	
M3PFBS	125287.3	1.911533	152,226.00	1.90325	82	50 - 150	0.0083	+/-0.50	
M7PFUnA	720482.7	3.962017	989,921.00	3.962017	73	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	65027.83	3.453267	123,959.00	3.453267	52	50 - 150	0.0000	+/-0.50	
M5PFPeA	367311.4	1.731383	475,823.00	1.731383	77	50 - 150	0.0000	+/-0.50	
M5PFHxA	760801.8	2.605183	917,895.00	2.596967	83	50 - 150	0.0082	+/-0.50	
M3PFHxS	101065.9	3.226417	140,133.00	3.226417	72	50 - 150	0.0000	+/-0.50	
M4PFHpA	847672	3.195017	1,082,599.00	3.186933	78	50 - 150	0.0081	+/-0.50	
M8PFOA	659494.6	3.469917	996,510.00	3.469917	66	50 - 150	0.0000	+/-0.50	
M8PFOS	78489.45	3.660133	133,024.00	3.660133	59	50 - 150	0.0000	+/-0.50	
M9PFNA	468582	3.661183	735,984.00	3.661167	64	50 - 150	0.0000	+/-0.50	
MPFDoA	780721.4	4.096633	1,117,487.00	4.096633	70	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	193487.7	3.969483	276,941.00	3.969483	70	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	195760.9	3.889733	316,522.00	3.889733	62	50 - 150	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW-11 (22G0536-03)			Lab File ID: 22G0536-03.d			Analyzed: 08/04/22 19:14			
M8FOSA	31875.68	4.004567	332,486.00	4.00455	10	50 - 150	0.0000	+/-0.50	*
M2-4:2FTS	131373.8	2.496833	206,351.00	2.505033	64	50 - 150	-0.0082	+/-0.50	
M2PFTA	15471.35	4.3378	1,423,107.00	4.345917	01	50 - 150	-0.0081	+/-0.50	*
M2-8:2FTS	61277.24	3.810767	149,116.00	3.81075	41	50 - 150	0.0000	+/-0.50	*
MPFBA	194555.3	1.0751	506,928.00	1.075083	38	50 - 150	0.0000	+/-0.50	*
M3HFPO-DA	90396.69	2.8475	196,481.00	2.847483	46	50 - 150	0.0000	+/-0.50	*
M6PFDA	279227.8	3.8113	719,317.00	3.811283	39	50 - 150	0.0000	+/-0.50	*
M3PFBS	85691.63	1.90325	152,226.00	1.90325	56	50 - 150	0.0000	+/-0.50	
M7PFUnA	281825.9	3.962033	989,921.00	3.962017	28	50 - 150	0.0000	+/-0.50	*
M2-6:2FTS	70038.58	3.453283	123,959.00	3.453267	57	50 - 150	0.0000	+/-0.50	
M5PFPeA	246383.5	1.731383	475,823.00	1.731383	52	50 - 150	0.0000	+/-0.50	
M5PFHxA	511231	2.596983	917,895.00	2.596967	56	50 - 150	0.0000	+/-0.50	
M3PFHxS	71892.2	3.226433	140,133.00	3.226417	51	50 - 150	0.0000	+/-0.50	
M4PFHpA	625909.4	3.195017	1,082,599.00	3.186933	58	50 - 150	0.0081	+/-0.50	
M8PFOA	488757.7	3.469933	996,510.00	3.469917	49	50 - 150	0.0000	+/-0.50	*
M8PFOS	53523.16	3.66015	133,024.00	3.660133	40	50 - 150	0.0000	+/-0.50	*
M9PFNA	322519.6	3.661183	735,984.00	3.661167	44	50 - 150	0.0000	+/-0.50	*
MPFDoA	130582.1	4.09665	1,117,487.00	4.096633	12	50 - 150	0.0000	+/-0.50	*
d5-NEtFOSAA	90065.29	3.9695	276,941.00	3.969483	33	50 - 150	0.0000	+/-0.50	*
d3-NMeFOSAA	109751.3	3.88975	316,522.00	3.889733	35	50 - 150	0.0000	+/-0.50	*

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B313861-BLK1)			Lab File ID: B313861-BLK1.d			Analyzed: 08/04/22 18:38			
M8FOSA	212382	4.004567	332,486.00	4.00455	64	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	151420.1	2.521467	206,351.00	2.505033	73	50 - 150	0.0164	+/-0.50	
M2PFTA	839187.6	4.34595	1,423,107.00	4.345917	59	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	120958.5	3.810767	149,116.00	3.81075	81	50 - 150	0.0000	+/-0.50	
MPFBA	410887	1.075083	506,928.00	1.075083	81	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	151953.8	2.855667	196,481.00	2.847483	77	50 - 150	0.0082	+/-0.50	
M6PFDA	570387.4	3.819267	719,317.00	3.811283	79	50 - 150	0.0080	+/-0.50	
M3PFBS	132355.9	1.91155	152,226.00	1.90325	87	50 - 150	0.0083	+/-0.50	
M7PFUnA	762903.6	3.962033	989,921.00	3.962017	77	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	85585.16	3.461417	123,959.00	3.453267	69	50 - 150	0.0082	+/-0.50	
M5PFPeA	401583.8	1.731383	475,823.00	1.731383	84	50 - 150	0.0000	+/-0.50	
M5PFHxA	801456.6	2.6052	917,895.00	2.596967	87	50 - 150	0.0082	+/-0.50	
M3PFHxS	111032.9	3.226417	140,133.00	3.226417	79	50 - 150	0.0000	+/-0.50	
M4PFHpA	962112.9	3.195017	1,082,599.00	3.186933	89	50 - 150	0.0081	+/-0.50	
M8PFOA	793070.4	3.469933	996,510.00	3.469917	80	50 - 150	0.0000	+/-0.50	
M8PFOS	99530.84	3.66015	133,024.00	3.660133	75	50 - 150	0.0000	+/-0.50	
M9PFNA	548262	3.661183	735,984.00	3.661167	74	50 - 150	0.0000	+/-0.50	
MPFDoA	818929.3	4.09665	1,117,487.00	4.096633	73	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	172877.1	3.9695	276,941.00	3.969483	62	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	204096.3	3.88975	316,522.00	3.889733	64	50 - 150	0.0000	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (B313861-BS1)			Lab File ID: B313861-BS1.d			Analyzed: 08/04/22 18:31			
M8FOSA	244043.3	4.004567	332,486.00	4.00455	73	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	170251.2	2.51325	206,351.00	2.505033	83	50 - 150	0.0082	+/-0.50	
M2PFTA	1003563	4.345933	1,423,107.00	4.345917	71	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	158149.7	3.810767	149,116.00	3.81075	106	50 - 150	0.0000	+/-0.50	
MPFBA	457943.8	1.075083	506,928.00	1.075083	90	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	223486.3	2.855667	196,481.00	2.847483	114	50 - 150	0.0082	+/-0.50	
M6PFDA	663327.4	3.819267	719,317.00	3.811283	92	50 - 150	0.0080	+/-0.50	
M3PFBS	151500.9	1.91155	152,226.00	1.90325	100	50 - 150	0.0083	+/-0.50	
M7PFUnA	900317.3	3.962033	989,921.00	3.962017	91	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	102000.2	3.453283	123,959.00	3.453267	82	50 - 150	0.0000	+/-0.50	
M5PFPeA	447092.1	1.731383	475,823.00	1.731383	94	50 - 150	0.0000	+/-0.50	
M5PFHxA	895435.1	2.6052	917,895.00	2.596967	98	50 - 150	0.0082	+/-0.50	
M3PFHxS	120422	3.226417	140,133.00	3.226417	86	50 - 150	0.0000	+/-0.50	
M4PFHpA	1047109	3.195017	1,082,599.00	3.186933	97	50 - 150	0.0081	+/-0.50	
M8PFOA	861861	3.469933	996,510.00	3.469917	86	50 - 150	0.0000	+/-0.50	
M8PFOS	107507.9	3.66015	133,024.00	3.660133	81	50 - 150	0.0000	+/-0.50	
M9PFNA	633651.6	3.661183	735,984.00	3.661167	86	50 - 150	0.0000	+/-0.50	
MPFDoA	966903.8	4.09665	1,117,487.00	4.096633	87	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	188615.8	3.9695	276,941.00	3.969483	68	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	253461	3.889733	316,522.00	3.889733	80	50 - 150	0.0000	+/-0.50	

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SOP-454 PFAS in Water	
Perfluorobutanoic acid (PFBA)	NH-P
Perfluorobutanesulfonic acid (PFBS)	NH-P
Perfluoropentanoic acid (PFPeA)	NH-P
Perfluorohexanoic acid (PFHxA)	NH-P
11Cl-PF3OUdS (F53B Major)	NH-P
9Cl-PF3ONS (F53B Minor)	NH-P
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NH-P
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH-P
8:2 Fluorotelomersulfonic acid (8:2FTS A)	NH-P
Perfluorodecanoic acid (PFDA)	NH-P
Perfluorododecanoic acid (PFDoA)	NH-P
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NH-P
Perfluoroheptanesulfonic acid (PFHpS)	NH-P
N-EtFOSAA	NH-P
N-MeFOSAA	NH-P
Perfluorotetradecanoic acid (PFTA)	NH-P
Perfluorotridecanoic acid (PFTrDA)	NH-P
4:2 Fluorotelomersulfonic acid (4:2FTS A)	NH-P
Perfluorodecanesulfonic acid (PFDS)	NH-P
Perfluorooctanesulfonamide (FOSA)	NH-P
Perfluorononanesulfonic acid (PFNS)	NH-P
Perfluoro-1-hexanesulfonamide (FHxSA)	NH-P
Perfluoro-1-butanesulfonamide (FBSA)	NH-P
Perfluorohexanesulfonic acid (PFHxS)	NH-P
Perfluoro-4-oxapentanoic acid (PFMPA)	NH-P
Perfluoro-5-oxahexanoic acid (PFMBA)	NH-P
6:2 Fluorotelomersulfonic acid (6:2FTS A)	NH-P
Perfluoropetanesulfonic acid (PFPeS)	NH-P
Perfluoroundecanoic acid (PFUnA)	NH-P
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH-P
Perfluoroheptanoic acid (PFHpA)	NH-P
Perfluorooctanoic acid (PFOA)	NH-P
Perfluorooctanesulfonic acid (PFOS)	NH-P
Perfluorononanoic acid (PFNA)	NH-P

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO 17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
NC-DW	North Carolina Department of Health and Human Services	25703	07/31/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

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Minneapolis, MN 55414

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella Associates
Address:	5 McCrea Hill Road
Phone:	518-885-5383
Project Name:	Former Barnet Mills Property
Project Location:	20 Forbes Avenue, Rensselaer
Project Number:	
Project Manager:	Arlette St. Romain
Pace Analytical Quote Name/Number:	
Invoice Recipient:	
Sampled By:	

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: see comments section
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1]Matrix Code	Conc Code	PFAS EPA Method 537.1	2														# of Containers
									I														[2] Preservation Code
									P														[3] Container Code
1	MW-4	7/8/2022	900		X	GW	U	X															
2	MW-8	7/8/2022	930		X	GW	U	X															
3	MW-11	7/8/2022	1015		X	GW	U	X															

ANALYSIS REQUESTED

Dissolved Metals Samples
☑ Field Filtered
☑ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Please Email reports to:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 7/8/22 1130
Received by: (signature) PACE	Date/Time: 7/11/22 10:10
Relinquished by: (signature) PACE	Date/Time: 3:20 7/11/22
Received by: (signature)	Date/Time: 3:20 7/11/22
Relinquished by: (signature)	Date/Time: 4:20 7/11/22
Received by: (signature) 4.5	Date/Time: 7/11 16:20

Program & Regulatory Information
☐ AWQ STDS ☑ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

Pace

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Pace

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Labella Associates

Received By JCW Date 07/11/22 Time 1620

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

By Gun # S Actual Temp - 4.5

Were samples within Temperature? 2-6°C T By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? _____

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? N/A

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH? Acid N/A Base N/A

Who was notified? _____

Who was notified? _____

Who was notified? _____

MS/MSD? F

Is splitting samples required? F

On COC? F

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	6	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments: