Remedial Investigation Work Plan

235 River Road
North Tonawanda, New York

January 2025

Prepared for:

235 River Road, LLC
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Prepared by:

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Certification

I, Thomas H. Forbes, certify that I am currently a NYS registered professional engineer and that this August 2024 Remedial Investigation (RI) Work Plan for 235 River Road was prepared in accordance with applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Thomas H. Forbes, P.E.		
NYS Professional Engineer #070950-1	Date	Signature

It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.

1. Introduction

This document presents the proposed scope of work and implementation procedures for completion of a Remedial Investigation (RI) at 235 River Road (Site), located at 235 River Road, Buffalo, New York (see **Figure 1** and **Figure 2**).

The Applicant, 235 River Road, LLC, acting as a Volunteer, has elected to pursue cleanup and redevelopment of the Site under the New York State Brownfield Cleanup Program (BCP), and has submitted a BCP Application (C932184) to the New York State Department of Environmental Conservation (NYSDEC) in conjunction with this Work Plan. The planned redevelopment is to construct a 9,400 square foot mixed-use residential complex with 72 apartment units with commercial space that will include two 4-story residential buildings (40 and 32 units, respectively), outdoor amenity spaces/patios, a 1-story commercial building, and associated parking areas. The RI will be completed by Roux Environmental Engineering and Geology, DPC (Roux), on behalf of the Applicant. The work will be completed in accordance with NYSDEC DER-10 guidelines (Ref. 6), 6NYCRR Part 375 regulations and the site-specific Brownfield Cleanup Agreement (BCA).

1.1 Site Background

The BCP Site consists of a legal parcel totaling 3.1-acres addressed at 235 River Road, North Tonawanda, New York. The BCP Site is currently developed with two existing buildings and associated parking lots.

As part of this project Roux completed historical records research, including reviews of Sanborn Fire Insurance Maps, and municipal records for additional information relative to the Site. The Site has been primarily an equipment yard and auto repair shop to support Metzger Removal's large aggregate operation located further north on River Road in North Tonawanda. Petroleum bulk storage (PBS) has also been noted on the property. Based on the PBS registration and attached inspection reports, a total of eight tanks were located on the property: Two registered exterior diesel tanks, located on the west side of the warehouse building, two unregistered used oil tanks (heating oil) located in the repair garage, and four unregistered motor oil tanks located in the repair garage. The motor oil tanks were not found within the repair garage during the Subject Property Reconnaissance, and are assumed to have been removed by Metzger Removal, Inc.

Previous environmental investigations completed at the Site have identified elevated levels of semi-volatile organic compounds (SVOCs), and metals exceeding Parts 375 Unrestricted Soil Cleanup Objectives (USCOs) and Restricted-Residential Soil Cleanup Objectives (RRSCOs). Details of the previous investigations are presented in **Section 2.6** below and the reports are provided in **Appendix B**.

1.2 Project Objectives

For sites entering the BCP at the point of investigation, NYSDEC requires completion of the RI detailed in this Work Plan. The primary objectives of this RI are to:

- Collect additional on-site media samples, under appropriate quality assurance/ quality control criteria, to better delineate the nature and extent of contamination; and determine if contamination has the potential to migrate off-site.
- Assess the groundwater flow direction and groundwater quality conditions at the Site.

- Determine if the concentrations of constituents of concern in soil, groundwater, and/or soil gas (beyond the known metals and SVOCs in soil) pose potential unacceptable risks via on-site and off-site qualitative exposure assessment in accordance with DER-10 - Appendix 3b.
- Provide the data needed to evaluate potential remedial measures and determine appropriate actions to address potential risks.

As part of the RI, sampling data will be used to evaluate whether remedial alternatives can meet the cleanup objectives. The intended uses of these data dictate the confidence levels. Two data confidence levels will be employed in the RI: screening level data and definitive level data. In general, screening level confidence will apply to field measurements, including photoionization detection (PID) measurements, groundwater elevation measurements, and field analyses (i.e., pH, temperature, dissolved oxygen, specific conductivity, and turbidity). Definitive level confidence will apply to samples for chemical analysis.

The applicability of these levels of data are further specified in the Quality Assurance Project Plan (QAPP) in **Section 4.0**. Sampling and analytical acceptance and performance criteria such as precision, accuracy, representativeness, comparability, completeness, and sensitivity, are also defined in the QAPP.

1.3 Project Organization and Responsibilities

The Applicant, 235 River Road, LLC has applied to the New York State BCP as a Volunteer, i.e., non-polluter, per ECL§27-1405. Roux will complete the RI and manage the brownfield cleanup, on behalf of the Applicant. Roux will also be responsible for verifying and certifying that the brownfield remedial action was completed in conformance with the approved work plans and NYSDEC DER-10 requirements.

Roux personnel as well as subcontractors for this project have not been determined at this time. Once pricing is secured, subcontract agreements are in place, and a field schedule determined, résumés for the selected project team will be provided to the Department, if requested. Roux's Project Manager's résumé, however, has been included in **Appendix A**. The table below presents the planned project team.

Company	Role	Name	Contact Information
235 River Road, LLC	Applicant contact	Andrew Romanowski	TBD
Roux	Project Officer	Mike Lesakowski	(716) 856-0599
Roux	Principal Engineer	Thomas H. Forbes, P.E.	(716) 856-0599
TBD	Analytical Testing	TBD	TBD
TBD	Drilling Services	TBD	TBD
TBD	Excavation Services	TBD	TBD
Data Validation Services	DUSR	TBD	TBD

2. Site Description

2.1 General

The Site consists of one parcel located within the City of North Tonawanda, New York that totals 3.15 acres. The Site is bounded by River Road to the west, Thompson Street to the north, and Main Street to the east. To the south, the Site is adjacent to three commercial buildings including two automotive garages and a neon lighting and sign store. The property has two structures on site, which includes one single-story warehouse building in the northwestern portion of the parcel and one repair garage within the southeastern portion of the parcel. The warehouse building is currently used as an equipment and salt storage building. The repair garage is still actively used for maintenance of trucks and equipment. The remaining land area on the Site consists primarily of an overgrown gravel parking lot and driveway areas with some weathered asphalt areas to the south end of the parcel. The parcels are primarily used as a large equipment storage area for Metzger Removal, Inc. Large truck parking areas were noted along the northern, eastern, and southern side of the Site, with additional equipment storage along the exterior of both buildings and on the southern side of the Site.

2.2 Site Topography and Drainage

The topography of the Site is relatively flat with a general slope moving east to west. Observations during the Subject Property Reconnaissance revealed that the elevation of Main Street is approximately 4 to 5 feet higher than River Road. Most of this elevation change is lost on a short, steeper slope on the east side of the Site and flat land persisting across the rest of the Subject Property. The middle of the Site is at an approximate elevation of 571 feet above mean sea level. The southern exterior of the Site contains old asphalt paving. The middle of the site showed ponding at the time of the Subject Property Reconnaissance. A dirt drainage trench has been dug along the southern side of the warehouse building and runs to an onsite stormwater drop inlet.

2.3 Geology and Hydrogeology

2.3.1 Overburden

According to the United States Department of Agriculture (USDA) Web soil survey (Ref. 1), soils at the Site are unsurveyed and no description on soil type and bedrock has been given. As a result, APR Holdings, LLC contracted Barron & Associates, P.C. (B&A) to conduct a subsurface investigation (SSI) of the 235 River Road and 190 Main Street properties (Ref. 8). In April of 2023, B&A drilled nine borings to depths ranging from approximately 23 to 45 feet below ground surface (fbgs) until auger refusal, which may inferred as the top of bedrock. The SSI and geotechnical report described the Site topography as generally flat, with ground surface elevations across the boring locations varying by less than 30 inches and in general, subsurface conditions consist of two-to-eight feet of granular and/or cohesive fill which overlays natural silt and clay. The silt and clay layers overlay naturally-deposited cohesive glacial till. The fill layers contained subbase materials including gravel, sand, and/or clay, and presented with amounts of other unnatural materials such as brick and asphalt. Further, organics were observed in the fill, such as plant roots. Up to an eight-foot-thick layer of soft to very-stiff natural brown silt is present across the site. In general, the silt overlays soft-to-hard natural brown clay. Medium-stiff to hard brown naturally-deposited cohesive glacial till was observed the remaining depths drilled.

Most of the Site appears to have been graded with gravel that has been slightly overgrown. During the geotechnical investigations conducted during the Limited Phase 2 Environmental Site Assessment (Ref. 9), subcontractors performed limited soil sampling to determine if environmental contamination was present in Site soils. Sub-grade conditions were typified by non-native soils, ranging in thickness from 3 to 8 fbgs, with native soils beneath. This initial sampling event was focused on the potential for environmental contaminants within non-native soils, while native soils were characterized for geotechnical purposes only. In general, samples were collected from soil cuttings that exhibited evidence of possible contamination or that appeared to be impacted by fill materials (brick, block, debris, etc.). The geology of the Site will be further investigated as part of the RI activities.

2.3.2 Bedrock

According to the United States Department of Agriculture (USDA) Web soil survey (Ref. 1), soils at the Site are unsurveyed and no description on soil type and bedrock has been given. Based upon the regional geology, the bedrock type beneath the Site would be the Camillus Shale according to the B&A geotechnical report (Ref. 8).

2.3.3 Hydrogeology

The Site is located less than 0.1 miles east of the Niagara River. Based on the interpretation of the USGS Topographic Map, groundwater in the area is assumed to move generally to the west/northwest towards the Niagara River. Groundwater flow specific to the Site is unknown and may be different from the regional flow. Potential influences include local drainage features, seasonal groundwater level fluctuations, subsurface geology, surface topography, and / or other Site features.

2.4 Utilities and Groundwater Use

The following utilities are available in the vicinity of the Subject Property:

- Electric: National Grid.
- Natural Gas: National Fuel.
- Sanitary Sewer: City of North Tonawanda Water Wastewater Department.
- Potable Water: City of North Tonawanda Water Wastewater Department.

Groundwater at the Site is assigned Class “GA” by 6NYCRR Part 701.15. Currently, there are no deed restrictions on the use of groundwater at the Site; however, there are no groundwater supply wells on the property. Regionally, groundwater in the area has not been developed for industrial, agriculture, or public supply purposes. Municipal potable water service is provided on- and off-site.

2.5 Wetlands

No state-or federal-regulated freshwater wetlands are mapped on the BCP Site.

2.6 Previous Investigations

A summary of the investigations that have occurred at the Site are presented below, included in **Appendix B** and the investigation location with areas of concern shown in **Figure 3**.

2.6.1 February 2021 – Phase 1 Environmental Site Assessment: River Road and Main Street Metzger Properties

At the request of the Niagara County Department of Economic Development, C&S Engineers, Inc. (C&S) has completed this Phase I Environmental Site Assessment report of the River Road & Main Street Metzger Properties located in North Tonawanda, New York. Based on the results of this Phase I ESA, the following findings and opinions are provided (Ref. 7):

- An Environmental Lien and Activity Use Limitation (AUL) Search was completed by Environmental Data Resources in December 2020 for the Site parcel. The search did not find any recorded liens nor AULs on any of the Site parcel.
- The Subject Property and the surrounding area have been associated with industrial activities since at least 1886. Various lumberyards and cabinetry and housing material manufacturing including painting and woodworking have been noted on the Subject Property for approximately 100 years. Rail lines likely for the transport of lumber and other goods were noted running through the property until at least the early 1990s. Automotive shops associated with detail and repair were present on the Subject Property starting in 1986.
- Surrounding properties have also been associated with industrial uses related to the lumber industry as far back as 1886. Planing mills and lumber processing facilities have been noted to the south and east of the Subject property throughout the 1900s. Automotive repair uses and other light commercial activities have also been noted on the parcels adjacently south to the Subject Property starting in the 1990s.
- During the site reconnaissance, multiple petroleum containers (ASTs and drums) were observed on the Subject Property. Multiple empty storage containers and tanks, apparently for scrap, were found on the south side of the warehouse building and north and east sides of the repair garage. A dirt trench has been dug, apparently for drainage, around the south side of the warehouse building leading to an onsite stormwater drop inlet.
- Multiple 55-gallon drums were located within the warehouse building. Most were empty and used as supports to place equipment on, but a few reportedly contained waste oil. The repair garage contained two tanks of waste oil (575 and 275 gallons) which were used to heat the garage through a used oil burner. Evidence of staining was observed in the repair garage building, including around both used oil tanks, likely from the filling of the tanks. The previous spills appeared to be contained by the concrete floor of the garage, but floor integrity was not able to be fully assessed because of the tanks' location.
- The database results indicate that various spills have occurred surrounding the Subject Property; however, these spills do not appear to be indicative of a REC because of their location, amount spilled, and/or immediate cleanup response. Database records do not indicate a Vapor Encroachment Condition on the Subject Property.
- The past uses of the Subject Property have been primarily industrial associated with the lumber industry, rail activities, and vehicular and automotive maintenance for over 100 years.

2.6.2 April 2023 – Geotechnical Engineering Report: Proposed Housing Development - 235 River Road and 190 Main Street

B&A completed a subsurface investigation of the proposed housing development of 235 River Road and 190 Main Street, in North Tonawanda, New York.

Summary of Soil Conditions: In general, subsurface conditions consist of two-to-eight feet of granular and/or cohesive fill which overlays natural silt and clay. The silt and clay layers overlay naturally-deposited cohesive glacial till. The fill layers contained subbase materials including gravel, sand, and/or clay, and presented with amounts of other unnatural materials such as brick, asphalt, and slag. Further, organics

were observed in the fill, such as plant roots. Up to an eight-foot-thick layer of soft to very-stiff natural brown silt is present across the site. In general, the silt overlays soft-to-hard natural brown clay. Medium-stiff to hard brown naturally-deposited cohesive glacial till was observed the remaining depths drilled.

Summary of Bedrock: Auger refusal, which is generally inferred to be top of bedrock, was encountered at seven of the nine borings. Based upon the regional geology, the bedrock type beneath the site would be the Camillus Shale.

Summary of Groundwater: Groundwater was not encountered during subsurface exploration efforts on this lot. Readings are taken at completion of drilling efforts and, therefore, an adequate amount of time for the groundwater level to recharge to static conditions is probably not allowed. Fluctuations in the ground water level may occur due to other factors than those present during field operations. Based on the observed soil conditions, it is concluded that the static water table is lower than the planned foundation bearing elevation and no other severe soil-water conditions exist.

2.6.3 December 2023 – Limited Phase II Environmental Site Assessment: Proposed North Tonawanda Main Street Redevelopment Site

The Asbestos & Environmental Consulting Corporation (AECC) completed a limited Phase II Environmental Site Assessment of the proposed North Tonawanda Main Street Redevelopment Site, located at 235 River Road, in North Tonawanda, New York.

Summary of Analytical Results: Based upon the anticipated development plans and potential for the Site's entry into the NYSDEC BCP, analytical results were compared to NYSDEC Part 375 SCOs for Restricted Residential use. Exceedances of Restricted Residential SCOs were identified at the following locations:

Location	Interval*	Restricted Residential SCO Exceedances**
SB-03	0 – 1 fbgs	lead
SB-04	0 – 1 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, 2-methylnaphthalene
SB-06	0-1 fbgs	benzo(a)pyrene, benzo(b)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene
	3 – 4 fbgs	arsenic
SB-07	3 – 3.5 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene
SB-08	0 – 1 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene
	7 – 7.5 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene
SS-02	0 – 1 fbgs	benzo(b)fluoranthene
SS-03	0 – 1 fbgs	2-methylnaphthalene
SS-04	0 – 1 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h} anthracene, indeno(1,2,3-cd)pyrene
SS-05	0 – 1 fbgs	2-methylnaphthalene
SS-06	0 – 1 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz[a,h} anthracene, indeno(1,2,3-cd)pyrene
SS-08	0 – 1 fbgs	indeno(1,2,3-cd)pyrene
SS-09	0 – 1 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz[a,h} anthracene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene
SS-10	0 – 1 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene

**Note: Sampling depth below ground surface.*

***Note: The concentrations for each contaminant may be found on **Figure 3** or within the associated laboratory reports.*

3. Remedial Investigation Scope of Work

This RI is focused on defining the nature and extent of contamination on-site and potential for off-site migration, identifying the sources of contamination, defining chemical constituent migration pathways, qualitatively assessing human health and ecological risks, and obtaining data of sufficient quantity and quality to perform an alternatives analysis report. Further, because the goal of this BCP cleanup is to achieve USCOs, investigation activities will also focus further on assessing the horizontal extent and depths of known impacted fill material present at the Site.

Field team personnel will collect environmental samples in accordance with the rationale and protocols described in the QAPP in **Section 4**. USEPA and NYSDEC-approved sample collection and handling techniques will be used. Soil and groundwater samples taken for chemical analysis will be analyzed in accordance with USEPA SW-846 methodology with an equivalent Category B deliverable package to meet the definitive-level data requirements. Analytical results will be evaluated by a third-party data validation expert in accordance with provisions described in the QAPP. Data submittals will be provided to the NYSDEC in accordance with the most current electronic data deliverables (EDD) protocols.

During intrusive RI activities, the Community Air Monitoring Plan (CAMP) will be followed. The CAMP is consistent with the requirements for community air monitoring at remediation sites as established by the New York State Department of Health (NYSDOH) and NYSDEC. Accordingly, it follows procedures and practices outlined under NYSDEC's DER-10 (May 2010) Appendix 1A (NYSDOH's Generic Community Air Monitoring Plan) and Appendix 1B (Fugitive Dust and Particulate Monitoring).

The investigation approach is described below. **Figure 4** presents the proposed RI sample locations. **Table 1** outlines the planned sampling and analytical program.

3.1 Pre-Investigation Activities

3.1.1 Utility Clearance

Prior to any intrusive activities, Dig Safely New York (Call 811) will be contacted by the site contractor a minimum of three business days in advance of the work and informed of the intent to perform excavation work at the Site. If underground utilities are present on the property and are anticipated to interfere with intrusive activities, the Applicant and the NYSDEC will be contacted to discuss mitigating measures.

3.1.2 Clearing

Prior to implementation of the RI, vegetation and/or any surface debris will be cleared from the Site for recycling/re-use or disposal.

3.2 RI Soil/Fill Investigation

A soil/fill investigation will be completed at the Site to assess the horizontal and vertical depth of known historical contamination and investigate for the potential presence of other contaminants. The subsurface soil/fill investigation will include the completion of test pits and soil borings to allow for characterization of surface and subsurface soil/fill material and sample collection.

3.2.1 Surface Soil/Fill Investigation

Based on the redevelopment plan, the Site will be covered by a combination of hardscape (e.g. buildings and asphalt) and pervious surfaces (e.g. gravel and vegetated greenspace).

Five surface soil samples will be collected from the location of five test pit (TP) locations. The surface soil/fill samples will be collected from the upper 0 to 2 inches of soil/fill. Approximate locations are shown on **Figure 4** and samples will be analyzed for full suite analyses, including target compound list TCL SVOCs, target analyte list (TAL) metals, TCL polychlorinated biphenyls (PCBs), TCL pesticides/herbicides, and per- and polyfluoroalkyl substances (PFAS) in accordance with the sampling plan on **Table 1**.

3.2.2 Test Pit Soil/Fill Investigation

Ten (10) subsurface soil/fill exploratory TP locations will be completed. These investigation locations will be completed as follows:

- Ten (10) TPs will be excavated across the Site in a manner to further delineate the extent of the known SVOCs and metals contamination and to determine if other impacts requiring remediation are present at the Site. These TPs will be excavated at least 5 feet into native material (at least 15 fbgs) and sampled for SVOCs and metals in the depth interval directly below the fill materials.
- Five of the ten (10) TPs will be sampled for full suite analyses within the fill materials (nominally from 0 to 5 fbgs) to determine if other impacts beyond the known SVOCs and metals are present within the fill materials and five TPs will be sampled at varying depths to 15 fbgs for full suite analyses to determine if contaminants exist within the native soil. Soil/fill samples retrieved from these test pits will be field screened for the presence of volatile organics using a calibrated PID with a 10.6 eV lamp to identify potential impacts in soil samples for laboratory analysis. Upon reaching the completion depth of each location, field visual/olfactory and PID results will be reviewed to determine the interval to be sampled. If either no impacts are identified, or the impacts are ubiquitous from grade to final depth, the soil/fill sample will be collected from the fill materials overlying native soil. If no fill materials are present, the sample will be collected from 0 to 1 fbgs. Further, if differentiable impacts are noted within a TP location during the investigation, additional sample interval(s) will be collected, and appropriate analysis will be conducted at the discretion of the field personnel. The Department will be made aware of the differing impacts if/when they are encountered.

Observations for the presence of groundwater will also be made during the test pitting investigation to assess for the presence of groundwater.

3.2.3 Soil Boring Soil/Fill Investigation

Seven soil borings, identified as MW-1 through MW-7, will be advanced to collect soil samples and allow for the installation of monitoring wells (see **Figure 4**). Soil borings will be advanced to an estimated depth of 15 fbgs, or at a minimum of five feet into the upper water bearing zone, or until equipment refusal.

Drill cuttings and any other investigation derived waste (IDW) will be managed in accordance with DER-10 3.3(e). Specifically, drill cuttings from soil borings where wells will be installed will be placed in sealed New York State Department of Transportation (NYSDOT)-approved drums and labeled for subsequent characterization and disposal. Additional information is provided in **Section 3.6** below.

Roux will oversee the investigation work and create a field borehole log (including photographs) for each investigation location. FOP 047.0 in **Appendix E** provides a sample field borehole log. Real time air and

particulate monitoring will be conducted during intrusive activities using a PID and particulate monitor in accordance with the CAMP.

All soil samples will be field screened for the presence of volatile organics using a calibrated PID with a 10.6 eV lamp, as a procedure for ensuring the health and safety of personnel at the Site, and to identify potential impacts in soil samples for laboratory analysis. Upon reaching the completion depth of each location, field visual/olfactory and PID results will be reviewed, and sample intervals will be determined.

3.2.4 Soil/Fill Sample Collection and Analysis

Table 1 summarizes the proposed sample collection and analytical program and **Figure 4** shows the planned sample locations. As part of the proposed work to be completed as part of this Work Plan, waste characterization samples will also be collected for analysis.

Soil/fill samples will be collected from each of the 10 TP locations in the following manner:

Fill Materials

- From TPs 1-5, 5 samples will be analyzed for full suite analyses, including target compound list (TCL) VOCs, Target Compound List (TCL) SVOCs, Target Analyte List (TAL) metals, TCL polychlorinated biphenyls (PCBs), TCL pesticides/herbicides, and/or per- and polyfluoroalkyl substances (PFAS).

- From TPs 6-10, 5 samples will be analyzed for TCL SVOCs and TAL metals, which are known contaminants of concern, to further assess the extent of contamination within the fill materials.

- From soil borings MW-1 through MW-3, 3 samples will be analyzed for full suite analyses from the fill materials.

Native Soil

- From TPs 1-5, 5 samples, including 3 from the 5-10 fbgs interval and 2 from the 10-15 fbgs interval, will be analyzed for full suite analyses, including TCL VOCs, TCL SVOCs, TAL metals, TCL PCBs, TCL pesticides/herbicides, and/or PFAS.

- From TPs 6-10, 5 samples will be analyzed for TCL SVOCs and TAL metals, which are known contaminants of concern.

- From soil borings MW-4 through MW-7, 4 samples will be for TCL SVOCs and TAL metals, which are known contaminants of concern.

Figure 4 shows the locations where full suite analyses are planned.

En-core samplers will be used to collect RI VOC soil samples as described in Method 5035. Remaining samples will be collected and placed into pre-cleaned laboratory provided sample bottles, cooled to 4ºC in the field, and transported under chain-of-custody command to a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory.

Up to five waste characterization samples will be collected at the time of the investigation and analyzed for TCLP VOCs, TCLP SVOCs, TCLP metals, PCBs, ignitability, corrosivity, and reactivity (or some subset of these parameters) to fulfill landfill waste characterization requirements for disposal. Based on the results of the RI soil samples and the first approximate five waste characterization samples, the landfill may allow the waste characterization parameter list to be reduced. Any reduction in waste characterization analytes by the landfill operator will be communicated to the Department.

3.3 Groundwater Investigation

Seven groundwater monitoring wells will be advanced at the Site to assess groundwater quality data and flow direction. The groundwater wells will be installed into the upper most water bearing zone. Proposed groundwater monitoring well locations are identified on **Figure 4**. Monitoring well installation, well development, and groundwater sample collection details are discussed in the following sections.

3.3.1 Monitoring Well Installation

The monitoring wells will be installed with a truck mounted drill rig. Each well will be advanced into the upper most water bearing zone, a minimum of 15 fbgs. All non-dedicated drilling tools and equipment will be decontaminated between boring locations using potable tap water and a phosphate-free detergent (e.g., Alconox).

Soil boring logs, including PID readings recorded during screening, will be completed for each boring advanced for monitoring well installation. Should any differential layers of impacted soil/fill be encountered, additional soil samples will be collected, and appropriate analysis will be conducted at the discretion of the field personnel. The Department will be made aware of the differing impacts if/when they are encountered.

Each well will be constructed with two-inch diameter Schedule (SCH) 40 PVC with a minimum 5-foot flush joint SCH 40 PVC 0.010-inch machine-slotted well screen. Each well screen and attached riser will be placed at the bottom of each borehole and a silica sand filter pack (size #0) will be installed from the base of the well to a maximum of two feet above the top of the screen. A bentonite chip seal will then be installed and allowed to hydrate sufficiently to mitigate the potential for downhole grout contamination. The newly installed monitoring wells will be completed with keyed-alike locks, a lockable J-plug, and a steel flush mounted road box.

Drill cuttings will either be placed on and covered with polyethylene sheeting or placed in sealed NYSDOT-approved drums and labeled for subsequent characterization and disposal, if necessary.

3.3.2 Well Development

After installation, but not within 24 hours, newly installed monitoring wells will be developed in accordance with Roux and NYSDEC protocols. Development of the monitoring wells will be accomplished with dedicated disposable polyethylene bailers via surge and purge methodology. Field parameters including pH, temperature, turbidity, dissolved oxygen, oxidation-reduction potential (ORP) and specific conductance will be measured periodically (i.e., every well volume or as necessary) during development. Field measurements will continue until they become relatively stable. Stability will be defined as variation between measurements of approximately 10 percent or less with no overall upward or downward trend in the measurements. A minimum of three well volumes will be evacuated from each monitoring well. Based on the RI groundwater analytical results, development water from the monitoring wells will be discharged to

the ground surface in the vicinity of the monitoring well being developed. If impacts are noted during development including odors, sheen, light non-aqueous phase liquid (LNAPL), dense non-aqueous phase liquid (DNAPL), well development water will be containerized in NYSDOT-approved drums and labeled per monitoring well location. It will be determined, in consultation with the Department, if the containerized development water (if any) is acceptable for surface discharge or requires subsequent on-site treatment and/or off-site disposal.

3.3.3 Groundwater Sample Collection

Prior to groundwater sample collection, static water levels will be measured and recorded from the on-site monitoring wells to facilitate the preparation of a Site-wide isopotential map. Following water level measurement, field personnel will purge and sample monitoring wells using a submersible pump with dedicated pump tubing following low-flow/minimal drawdown purge and sample collection procedures. In the event of pump failure or the saturated unit does not permit the proper implementation of low-flow sampling, a dedicated polyethylene bailer will be used to purge and sample the well. Prior to sample collection via low-flow methodology, groundwater will be evacuated from each well at a low-flow rate (typically less than 0.1 L/min) while maintaining a generally consistent water level. Field measurements for pH, temperature, turbidity, DO, ORP, specific conductance and water level, as well as visual and olfactory field observations will be periodically recorded and monitored for stabilization. Low-flow purging will be considered complete when field parameters stabilize and when turbidity measurements fall below 50 Nephelometric Turbidity Units (NTU) or become stable above 50 NTU regardless of volume purged. Purging via disposable bailer, if necessary, will be considered complete following the removal of three well volumes and field parameter stabilization or to dryness, whichever occurs first. In general, stability is defined as variation between field measurements of 10 percent or less and no overall upward or downward trend in the measurements. Upon stabilization of field parameters, groundwater samples will be collected and analyzed as discussed below.

Sample collection methods that will be implemented during the RI include:

Submersible Pump with Dedicated Pump Tubing

> Monitoring wells will be purged and sampled using a non-dedicated submersible pump and dedicated pump tubing following low-flow (minimal drawdown) purge and sample collection procedures, as described above. Non-dedicated pumps will require decontamination prior to use at each well location and the collection of an equipment blank.

Polyethylene Disposable Bailer

> If low flow is not feasible (e.g., due to depth to groundwater), wells of any depth (up to 100 fbgs) may be purged and sampled using a polyethylene disposable bailer via direct grab. In general, a bottom filling dedicated polyethylene bailer is attached to a length of dedicated hollow-braid polypropylene rope and lowered into the well smoothly and slowly so as not to agitate the groundwater or damage the well. Purging continues until a predetermined volume of water has been removed (typically three well volumes) or to dryness. Measurements for pH, temperature, specific conductance, dissolved oxygen, and turbidity are recorded following removal of each well volume. The well is purged until the readings for indicator parameters stabilize or the well is purged to dryness.

Prior to, and immediately following collection of groundwater samples, field measurements for pH, specific conductance, temperature, dissolved oxygen, turbidity, and water level, as well as visual and olfactory field observations will be recorded. All collected groundwater samples will be placed in pre-cleaned, pre-

preserved laboratory provided sample bottles, cooled to 4°C in the field, and transported under chain-of-custody command to a NYSDOH-approved laboratory for analysis.

3.3.4 Groundwater Sample Analyses

As summarized on **Table 1**, groundwater samples will be collected for full suite of parameters, including TCL VOCs, TCL SVOCs (including 1,4-dioxane), TAL Metals, TCL PCBs and TCL pesticides/herbicides at all locations and PFAS at three locations. Groundwater samples will be collected and analyzed in accordance with USEPA SW 846 methodology with equivalent NYSDEC Category B deliverables to allow for independent third-party data usability assessment. PFAS sampling from three locations will be completed in accordance with NYSDEC April 2023 sampling protocols and FOP 24.2 in **Appendix E**.

3.3.4.1 Sampling Preparation

Sampling equipment, components, and containers will be handled to avoid contact with aluminum foil, low density polyethylene (LDPE), glass, or polytetrafluoroethylene (PTFE, aka. teflon) materials including sample bottle cap liners with a Teflon layer. Clothing to be worn by sampling personnel will be laundered multiple times and will not contain PTFE material (including GORE-TEX®) or that which has been waterproofed with perfluorinated compounds (PFC) materials.

Many food and drink packaging materials contain PFCs. If consumption of food and drink occurs prior to and/or during the sampling event, sample personnel will use a standard two step decontamination procedure using detergent and clean water rinse to wash hands prior to starting and/or resuming sampling.

3.3.4.2 Sampling Procedures

Prior to well purge sample collection, static water levels will be measured and recorded. The groundwater wells will be developed using a plastic submersible pump (containing nitrile seals) and PVC tubing prior to sampling the groundwater at the three locations, starting with the upgradient location first (to be determined). The wells will be purged using low-flow sampling techniques to minimize water level draw down within the well until groundwater quality parameters (pH, temperature, turbidity, DO, ORP, specific conductance) stabilize or at least a minimum of three well volumes have been removed.

In general, stability is defined as variation between field measurements of 10 percent or less and no overall upward or downward trend in the measurements. Upon stabilization of field parameters, groundwater samples for the emergent contaminants will be collected from the submersible pump and PVC tubing. Sampling personnel will wear nitrile gloves while handling empty sample containers, filling sample containers, sealing sample containers, and placement into sample coolers. Samples will be placed on ice prior to transportation to the laboratory.

If sampling equipment and/or sampling personnel's hands come in contact with PFC materials, a standard two step decontamination process using detergent and clean water rinse will be performed on the equipment prior to reuse or the sampling personnel's hands prior to continuing with the sampling. It is recommended that clean nitrile gloves be worn while handling sample containers, during the groundwater sampling, and sealing/placement of samples into the laboratory supplied cooler.

3.3.4.3 Sample Analysis

Groundwater samples will be analyzed by an ELAP-certified laboratory which will provide a Category B deliverable package for preparation of a Data Validation Usability Summary Report (DUSR) by a third-party data validator.

Samples collected for 1,4-dioxane analysis will be collected into laboratory provided containers: two 500 milliliter (ml) unpreserved amber bottles for each well location. The samples will be analyzed via EPA Method 8270 Selective Ion Monitoring (SIM) mode. The method detection limit (MDL) for the 1,4-dioxane analysis will be no higher than 0.28 micrograms per liter (µg/l), assuming there is no sample matrix interference. The samples have a holding time of 7 days till extraction and 40 days for the extract. Standard turnaround time will be used for the analysis.

Samples collected for PFAS analysis will be collected into laboratory provided containers: two 500 ml HDPE/polypropylene bottles preserved with Trizma for each well location. The samples will be analyzed via EPA Method 1633 to achieve reporting limits of 2 nanograms per liter (ng/l). The samples have a holding time of 14 days for analysis. Standard turnaround time will be used for the analysis.

3.4 Soil Vapor Investigation

3.4.1 Soil Vapor Sampling

Soil vapor will be investigated at four locations to evaluate the potential for soil vapor intrusion (SVI) risks and to complete a qualitative off-site exposure assessment. Depth of sampling will be below the soil/fill layer, into the native soil. Additional ambient outdoor air samples and one blind duplicate sample will also be collected concurrent with the soil vapor samples. Soil vapor sampling probes will be installed in general conformance with the NYSDOH Soil Vapor Intrusion Guidance (Ref. 10).

Each soil vapor sampling probe will be installed using specialized stainless steel soil probes. Sampling equipment includes stainless steel sampling screens, ¼-inch inside diameter inert sample tubing and dedicated Summa canisters. Soil boreholes will be advanced to a depth up to 3 to 4 fbgs, depending on the groundwater elevation at the time of sampling. The steel rod will be equipped with an anchor point at the driving end of the rod. The anchor point will be connected to the sampling screen and tubing on the inside of the steel rod. Once the steel rod is advanced to the target depth, the steel rod will be retracted, leaving the anchor point, sampling screen and sampling tubing within the borehole annulus. Glass beads (or equivalent) will be poured around the sampling screen in a manner to cover the entire length of the sampling screen. Bentonite or bentonite/soil mixture will be placed above the glass beads to the ground surface to create a seal to prohibit infiltration of ambient air into the sampling area.

Once the sample probes are installed, the probe and tubing will be purged (three volumes) using a syringe and helium tracer gas will be used during the purging phase (in the same manner as recommended for soil vapor intrusion probes) to ensure that the probes are well sealed. Samples will be collected over an approximate 4-hour period. All soil vapor samples will be collected and analyzed for VOCs by EPA Method TO-15.

Each canister will be fitted with a sampling valve that uses a critical orifice and mass flow controller to regulate the air flow into the canister for the selected sampling period. The mass flow controller will maintain a relative constant air flow rate throughout the sampling period. Summa canister valves will remain closed

until the sample holes are complete and all the canisters are in their respective positions. The valves will then be opened for the designated collection period.

3.5 Field Specific Quality Assurance/Quality Control Sampling

In addition to the soil/fill and groundwater samples described above, field-specific quality assurance/quality control (QA/QC) samples will be collected and analyzed to ensure the reliability of the generated data as described in the QAPP (see **Section 4.0**) and to support the required third-party data usability assessment effort. Site-specific QA/QC samples will include matrix spikes, matrix spike duplicates, blind duplicates, and trip blanks.

3.6 Decontamination and Investigation-Derived Waste Management

Every attempt will be made to utilize dedicated sampling equipment during the RI. However, if non-dedicated equipment is required and/or used, the equipment will be decontaminated, at a minimum, with a non-phosphate detergent (i.e., Alconox®) and potable water mixture, rinsed with distilled water, and air-dried before each use in accordance with Roux's field operating procedures presented in **Appendix E**. All decontaminated sampling equipment will be kept in a clean environment prior to sample collection. Heavy equipment, such as an excavator (if used) and drilling tools, will be decontaminated by the subcontractor, as necessary.

RI generated drilling spoils, groundwater, decontamination rinse water, or other Investigative-Derived Waste (IDW) not exhibiting gross contamination (i.e., visible product, odor, sheen, etc.) will be either returned to the borehole from which it was removed (soil/fill) or discharged to the ground surface (groundwater and rinse water). Purge water and decontamination rinse water that is not grossly contaminated may be discharged onto the ground surface if it infiltrates into the ground near the well where it was generated. IDW materials exhibiting gross contamination will be placed in sealed NYSDOT-approved drums and labeled for subsequent characterization and disposal. All generated IDW drums will be labeled alpha-numerically regarding contents, origin, and date of generation using a paint stick marker on two sides and the top of each drum. Characterization analytical results of containerized IDW material will be used to determine if spoils can be returned to the ground surface, utilized on-site, or require treatment and/or off-site disposal. Drums will be securely staged on-site pending characterization analyses and remedial measures assessment. Field personnel will coordinate the on-site handling and temporary storage of IDW drums, including transportation, characterization sampling, and offsite disposal arrangements, as necessary.

Discarded personal protective equipment (PPE) (i.e., latex gloves, Tyvek, paper towels, etc.) and disposable sampling equipment (i.e., bailers or stainless-steel spoons) will be placed in sealed plastic garbage bags and disposed of as municipal solid waste.

3.7 Site Mapping

A Site map will be developed during the field investigation. Sample points and relevant Site features will be located on the map. Roux will employ a handheld GPS unit to identify the locations of soil borings and monitoring wells relative to State planar grid coordinates. Monitoring well elevations will be measured by Roux's surveyor. An isopotential map showing the general direction of groundwater flow will be prepared

based on water level measurements relative to USGS vertical datum. Maps will be provided with the RI report.

3.8 Documentation

Remedial Investigation and RI field activities will be documented in a Project Field Book and/or handheld Rugged Reader® PDA. This logbook/PDA will provide a record of activities conducted at the Site. Entries will be signed and dated at the end of each day of fieldwork (or as produced) by the Field Team Leader. Field notes will include, at a minimum, the: date and time of all entries, names of personnel on Site, weather conditions (temperature, precipitation, etc.), location of activity, and description of activity. Sampling activities will be logged and photographed as necessary to document the activities at the Site. Progress photographs from a set location will be collected to document development activities and intrusive construction activities. Field personnel will, at a minimum, complete the following standard field forms (see **Appendix C**):

- Chain of Custody Form (per selected laboratory)
- Equipment Calibration Log
- Field Activity Daily Log (FADLs)
- Field Borehole/Monitoring Well Log
- Groundwater Field Form
- Investigative-Derived Waste Container Log (if necessary)
- Photographic Log
- Real-Time Air Monitoring Log
- Tailgate Safety Meeting Form
- Test Pit Excavation Log
- Problem Identification Report (as necessary)
- Corrective Measures Report

CAMP data will be provided to the NYSDEC and NYSDOH on a weekly basis. Any issues related to CAMP monitoring will be discussed during weekly progress meetings.

4. Quality Assurance Project Plan

A Quality Assurance Project Plan (QAPP) has been prepared in support of the RI activities. The QAPP dictates implementation of the investigation tasks delineated in this Work Plan. A Sampling and Analysis Plan (SAP) identifying methods for sample collection, decontamination, handling, and shipping, is provided below.

The QAPP will assure the accuracy and precision of data collection during the Site characterization and data interpretation periods. The QAPP identifies procedures for sample collection to mitigate the potential for cross-contamination, as well as analytical requirements necessary to allow for independent data validation. The QAPP has been prepared in accordance with USEPA's Requirements for Quality Assurance Project Plans for Environmental Data Operations (Ref. 5); the EPA Region II CERCLA Quality Assurance Manual (Ref. 2), and NYSDEC's DER-10 Technical Guidance for Site Investigation and Remediation (May 2010).

4.1 Scope of the QAPP

This QAPP was prepared to provide quality assurance (QA) guidelines to be implemented during the RI activities. This document may be modified for subsequent phases of investigative work, as necessary. The QAPP provides:

- A means to communicate to the persons executing the various activities exactly what is to be done, by whom, and when.
- A culmination to the planning process that ensures that the program includes provisions for obtaining quality data (e.g., suitable methods of field operations).
- A historical record that documents the investigation in terms of the methods used, calibration standards and frequencies planned, and auditing planned.
- A document that can be used by the Project Manager's and QA Officer to assess if the activities planned are being implemented and their importance for accomplishing the goal of quality data.
- A plan to document and track project data and results.
- Detailed descriptions of the data documentation materials and procedures, project files, and tabular and graphical reports.

The QAPP is primarily concerned with the quality assurance and quality control aspects of the procedures involved in the collection, preservation, packaging, and transportation of samples; field testing; record keeping; data management; chain-of-custody procedures; laboratory analyses; and other necessary matters to assure that the investigation activities, once completed, will yield data whose integrity can be defended.

QA refers to the conduct of all planned and systematic actions necessary to perform satisfactorily all task-specific activities and to provide information and data confidence as a result of such activities. The QA for task-specific activities includes the development of procedures, auditing, monitoring, and surveillance of the performance.

QC refers to the activity performed to determine if the work activities conform to the requirements. This includes activities such as inspections of the work activities in the field (e.g., verification that the items and

materials installed conform to applicable codes and design specifications). QA is an overview monitoring of the performance of QC activities through audits rather than first time inspections.

4.2 QAPP Organization and Responsibility

The principal organizations involved in verifying achievement of data collection goals for 235 River Road include: the NYSDEC, NYSDOH, and 235 River Road, LLC (Volunteer), Roux (Volunteer's Consultant), the drilling subcontractor(s), the independent environmental laboratory, and the independent third-party data validator. The roles, responsibilities, and required qualifications of these organizations are discussed in the following subsections. Résumés are included in **Appendix A**.

4.2.1 Volunteer

235 River Road, LLC will be responsible for complying with the QA requirements as specified herein and for monitoring and controlling the quality of the Brownfield cleanup construction either directly or through their designated environmental consultant and/or legal counsel. The Applicant will also have the authority to select Remedial Action Contractor(s) to assist them in fulfilling these responsibilities. The designated Project Manager is responsible for implementing the project and has the authority to commit the resources necessary to meet project objectives and requirements.

4.2.2 Environmental Engineer and Scientific Technical Consultant

Roux is the Environmental Engineer and Scientific Technical Consultant on this project and is responsible for the implementation of the RI Work Plan, including, but not limited to, field operations, laboratory testing, data management, data analysis and reporting. Any one member of Roux's staff may fill more than one of the identified project positions (e.g., field team leader and site safety and health officer). The various quality assurances, field, laboratory, and management responsibilities of key project personnel are defined below.

- *Project Officer (PO):* *Michael Lesakowski*

  The PO has the responsibility for ensuring conformance with the BCP program requirements. The PO will report directly to the Applicants and the NYSDEC/NYSDOH Project Managers and is responsible for project oversight. The PO will:

  - Define project objectives and develop a detailed work plan schedule.
  - Acquire and apply technical and corporate resources as needed to assure performance within budget and schedule constraints.
  - Review the work performed on the project to assure its quality, responsiveness, and timeliness.
  - Certify deliverables before their submission to NYSDEC.

- *Project Manager (PM):* *Michael Lesakowski*

  The PM has the responsibility for ensuring that the project meets the Work Plan objectives. The PM will report directly to the Applicants' Project Coordinator and the NYSDEC/NYSDOH Project Managers and is responsible for technical and project oversight. The PM will:

  - Define project objectives and develop a detailed work plan schedule.
  - Establish project policy and procedures to address the specific needs of the project as a whole, as well as the objectives of each task.

- Develop and meet ongoing project and/or task staffing requirements, including mechanisms to review and evaluate each task product.
- Review the work performed on each task to assure its quality, responsiveness, and timeliness.
- Review and analyze overall task performance with respect to planned requirements and authorizations.
- Review all deliverables before their submission to NYSDEC.
- Develop and meet ongoing project and/or task staffing requirements, including mechanisms to review and evaluate each task product.
- Ultimately be responsible for the preparation and quality of interim and final reports.
- Represent the project team at meetings.

- *FTL/SSHO:* *TBD*

  The Field Team Leader (FTL) has the responsibility for implementation of specific project tasks identified at the Site, is responsible for the supervision of project field personnel, subconsultants, and subcontractors. The FTL reports directly to the Project Manager. The FTL will:

  - Define daily work activities.
  - Orient field staff concerning the project's special considerations.
  - Monitor and direct subcontractor personnel.
  - Review the work performed on each task to ensure its quality, responsiveness, and timeliness.
  - Assure that field activities, including sample collection and handling, are carried out in accordance with this QAPP.

  For this project the FTL will also serve as the Site Safety and Health Officer (SSHO). As such, they are responsible for implementing the procedures and required components of the Site Health and Safety Plan (HASP), determining levels of protection needed during field tasks, controlling site entry/exit, briefing the field team and subcontractors on site-specific health and safety issues, and all other responsibilities as identified in the HASP.

4.3 Quality Assurance (QA) Responsibilities

The QA Officer will have direct access to corporate executive staff as necessary, to resolve any QA dispute, and is responsible for auditing the implementation of the QA program in conformance with the demands of specific investigations and Roux's policies, and NYSDEC requirements. The QA Officer has sufficient authority to stop work on the investigation as deemed necessary in the event of serious QA issues.

- *Project QA Officer:* *Lori Riker, P.E.*

  Specific function and duties include:
  - Performing QA audits on various phases of the field operations.
  - Reviewing and approving QA plans and procedures.
  - Providing QA technical assistance to project staff.

- Reporting on the adequacy, status, and effectiveness of the QA program on a regular basis to the Project Manager for technical operations.

- Responsible for assuring third party data review of all sample results from the analytical laboratory.

4.4 Field Responsibilities

Roux field staff for this project is drawn from a pool of qualified personnel. The Project Manager will use staff to gather and analyze data, and to prepare various task reports and support materials. All of the designated technical team members will be experienced professionals who possess the degree of specialization and technical competence required to effectively and efficiently perform the required work.

4.5 Quality Assurance Objectives for Measurement Data

The overall objectives and criteria for assuring quality for this effort are discussed below. This QAPP addresses how the acquisition and handling of samples and the review and reporting of data will be documented. The objectives of this QAPP are to address the following:

- The procedures to be used to collect, preserve, package, and transport groundwater samples.
- Field data collection.
- Record keeping.
- Data management.
- Chain-of-custody procedures.
- Precision, accuracy, completeness, representativeness, decision rules, comparability, and level of quality control effort conformance for sample analysis and data management by laboratory under EPA analytical methods.

4.6 Level of QC Effort for Sample Parameters

Field blank, method blank, trip blank, field duplicate, laboratory duplicate, laboratory control, standard reference materials (SRM) and matrix spike samples will be analyzed to assess the quality of the data resulting from the field sampling and analytical programs. QC samples are discussed below.

- Field and trip blanks consisting of distilled water will be submitted to the analytical laboratories to provide the means to assess the quality of the data resulting from the field-sampling program. Field (equipment) blank samples are analyzed to check for procedural chemical constituents at the facility that may cause sample contamination. Trip blanks are used to assess the potential for contamination of samples due to contaminant migration during sample shipment and storage.
- Method blank samples are generated within the laboratory and used to assess contamination resulting from laboratory procedures.
- Duplicate samples are analyzed to check for sampling and analytical reproducibility.
- MS/MSD and MS/Duplicate samples provide information about the effect of the sample matrix on the digestion and measurement methodology. Depending on site-specific

circumstances, one MS/MSD or MS/Duplicate should be collected for every 20 or fewer investigative samples to be analyzed for organic and inorganic chemicals of a given matrix (see **Table 1**).

The general level of QC effort will be one field (blind) duplicate and one field blank (when non-dedicated equipment is used) for every 20 or fewer investigative samples of a given matrix. Additional sample volume will also be provided to the laboratory to allow one site-specific MS/MSD or MS/Duplicate for every 20 or fewer investigative samples of a given matrix. One trip blank consisting of distilled, deionized water will be included along with each sample delivery group of aqueous VOC samples. Emerging contaminants sampling will include an equipment blank and a field blank sample to ensure the reliability of the generated data.

4.7 Sampling and Analysis Plan

Methods and protocol to be used to collect environmental samples (i.e., soil and groundwater) for this investigation are described in the Roux Field Operating Procedures (FOPs), summarized on **Table 3**.

The number and types of environmental samples to be collected is summarized on **Table 1**. Sample parameter lists, holding times and sample container requirements are summarized on **Table 2**. The sampling program and related site activities are discussed below. To the extent allowed by existing physical conditions at the facility, sample collection efforts will adhere to the specific methods presented herein. If alternative sampling locations or procedures are implemented in response to facility specific constraints, each will be selected on the basis of meeting data objectives. Such alternatives will be approved by NYSDEC before implementation and subsequently documented for inclusion in the project file.

4.7.1 Custody Procedures

Sample custody is controlled and maintained through the chain-of-custody (COC) procedures. Chain of custody is the means by which the possession and handling of samples will be tracked from the source (field) to their final disposition, the laboratory. A sample is considered to be in a person's custody if it is in the person's possession or it is in the person's view after being in his or her possession or it was in that person's possession and that person has locked it in a vehicle or room. Sample containers will be cleaned and preserved at the laboratory before shipment to the Site. The following section and FOPs for Sampling, Labeling, Storage, and Shipment, located in **Appendix E**, describe procedures for maintaining sample custody from the time samples are collected to the time they are received by the analytical laboratory.

4.7.2 Sample Storage

Samples are stored in secure limited-access areas. Walk-in coolers or refrigerators are maintained at 4°C, ± 2°C, or as required by the applicable regulatory program. The temperatures of all refrigerated storage areas are monitored and recorded at a minimum of once per day. Deviations of temperature from the applicable range require corrective action, including moving samples to another storage location if necessary.

4.7.3 Sample Custody

Sample custody is defined by this document as when any of the following occur:

- It is in someone's actual possession.

- It is in someone's view after being in his or her physical possession.
- It was in someone's possession and then locked, sealed, or secured in a manner that prevents unsuspected tampering.
- It is placed in a designated and secure area.

Samples are removed from storage areas by the sample custodian or analysts and transported to secure laboratory areas for analysis. Access to the laboratory and sample storage areas is restricted to laboratory personnel and escorted visitors only; all areas of the laboratory are therefore considered secure. If required by the applicable regulatory program, internal chain-of-custody is documented in a log by the person moving the samples between laboratory and storage areas.

Laboratory documentation used to establish COC and sample identification may include the following:

- Field COC forms or other paperwork that arrives with the sample.
- The laboratory COC.
- Sample labels or tags are attached to each sample container.
- Sample custody seals.
- Sample preparation logs (i.e., extraction and digestion information) recorded in hardbound laboratory books that are filled out in legible handwriting, signed, and dated by the chemist.
- Sample analysis logs (e.g., metals, GC/MS, etc.) information recorded in hardbound laboratory books that are filled out in legible handwriting, signed, and dated by the chemist.
- Sample storage log (same as the laboratory COC).
- Sample disposition log, which documents sample disposal by a contracted waste disposal company.

4.7.4 Sample Tracking

All samples are maintained in the appropriate coolers prior to and after analysis. The analysts remove and return their samples as needed. Samples that require internal COC are relinquished to the analysts by the sample custodians. The analyst and sample custodian must sign the original COC relinquishing custody of the samples from the sample custodian to the analyst. When the samples are returned, the analyst will sign the original COC returning sample custody to the sample custodian. Sample extracts are relinquished to the instrumentation analysts by the preparatory analysts. Each preparation department tracks internal COC through their logbooks/spreadsheets.

Any change in the sample during the time of custody will be noted on the COC (e.g., sample breakage or depletion).

4.7.5 Split Sampling

The Department may split any soil or groundwater samples at the Department's expense, during this RI. Roux personnel will cooperate with the Department to facilitate split sampling, as requested.

4.8 Calibration Procedures and Frequency

This section describes the calibration procedures and the frequency at which these procedures will be performed for both field and laboratory instruments.

4.8.1 Field Instrument Calibration

Quantitative field data to be obtained during groundwater sampling include pH, turbidity, specific conductance, temperature, and depth to groundwater. Quantitative water level measurements will be obtained with an electronic sounder or steel tape, which require no calibration. Quantitative field data to be obtained during soil sampling include screening for the presence of volatile organic constituents using a PID.

FOPs located in **Appendix E** describe the field instruments used to monitor for these parameters and the calibration methods, standards, and frequency requirements for each instrument. Calibration results will be recorded on the appropriate field forms and in the Project Field Book.

4.9 Analytical Procedures

Samples collected during this investigation field sampling activities will be analyzed by a NYSDOH-approved laboratory.

4.9.1 Field Instrument Calibration

Field procedures for collecting and preserving groundwater and soil samples are described in FOPs located in **Appendix E**. A summary of the FOPs is presented on **Table 3**.

4.10 Data Usability Evaluation

Data usability evaluation procedures shall be performed for both field and laboratory operations as described below.

4.10.1 Procedures Used to Evaluate Field Data Usability

Procedures to validate field data for this project will be facilitated by adherence to the FOPs identified in **Appendix E**. The performance of all field activities, calibration checks on all field instruments at the beginning of each day of use, manual checks of field calculations, checking for transcription errors and review of field log books is the responsibility of the Field Team Leader.

4.10.2 Procedures Used to Evaluate Laboratory Data Usability

Data evaluation will be performed by the third-party data validator using the most current methods and quality control criteria from the USEPA's Contract Laboratory Program (CLP) *National Functional Guidelines for Organic Data Review* (Ref. 3), and Contract Laboratory Program, *National Functional Guidelines for Inorganic Data Review* (Ref. 4). The data review guidance will be used only to the extent that it is applicable to the SW-846 methods; SW-846 methodologies will be followed primarily and given preference over CLP when differences occur. Also, results of blanks, surrogate spikes, MS/MSDs, and laboratory control samples will be reviewed/evaluated by the data validator. All sample analytical data for each sample matrix shall be evaluated. The third-party data validation expert will also evaluate the overall completeness of the data package. Completeness checks will be administered on all data to determine whether deliverables specified in this QAPP are present. The reviewer will determine whether all required items are present and request copies of missing deliverables.

5. Investigation Support Documents

5.1 Health and Safety Protocols

Roux has prepared a Site-Specific Health and Safety Plan (HASP) for use by our employees in accordance with 40 CFR 300.150 of the NCP and 29 CFR 1910.120. The HASP, provided in **Appendix D**, includes the following site-specific information:

- A hazard assessment.
- Training requirements.
- Definition of exclusion, contaminant reduction, and other work zones.
- Monitoring procedures for site operations.
- Safety procedures.
- Personal protective clothing and equipment requirements for various field operations.
- Disposal and decontamination procedures.

The HASP also includes a contingency plan that addresses potential site-specific emergencies, and a Community Air Monitoring Plan that describes required particulate and vapor monitoring to protect the neighboring community during intrusive site investigation and remediation activities.

Health and safety activities will be monitored throughout the field investigation. A member of the field team will be designated to serve as the on-site Health and Safety Officer throughout the field program. This person will report directly to the Project Manager and the Corporate Health and Safety Coordinator. The HASP will be subject to revision as necessary, based on new information that is discovered during the field investigation and/or remedial activities.

5.1.1 Community Air Monitoring

Real-time community air monitoring will be performed during the RI activities at the Site. A CAMP is included within Roux's HASP (see **Appendix D**). Particulate and VOC monitoring will be performed along the downwind perimeter of the work area during RI test pitting, RI boring, excavation, and soil/fill handling activities in accordance with this plan. The CAMP is consistent with the requirements for community air monitoring at remediation sites as established by the NYSDOH and NYSDEC. Accordingly, it follows procedures and practices outlined under NYSDEC's DER-10 (May 2010) Appendix 1A (NYSDOH's Generic Community Air Monitoring Plan) and Appendix 1B (Fugitive Dust and Particulate Monitoring).

5.2 Citizen Participation Activities

NYSDEC will coordinate and lead community relations throughout the course of the project. Roux will support NYSDEC's community relations activities, as necessary. A Citizen Participation Plan will be prepared by Roux and submitted to NYSDEC under separate cover. The Citizen Participation Plan will follow NYSDEC's Citizen Participation Plans template for Brownfield Cleanup Program sites entering the BCP at the point of site investigation.

6. Reporting and Schedule

Upon completion of the RI fieldwork, a comprehensive RI/AAR will be completed summarizing the RI tasks completed as described below.

6.1 Remedial Investigation Reporting

The RI section of the RI/AA report will include the following information and documentation, consistent with the NYSDEC's DER-10 Technical Guidance for Site Investigation and Remediation (May 2010).

- Introduction and background;
- A description of the Site and the investigation areas;
- A description of the field procedures and methods used during the RI;
- The collection of geospatial data and presentation of investigation drawings detailing the investigation locations, potential areas of concern, presence of buildings, utility poles, and subgrade utilities;
- A discussion of the nature and rationale for any significant variances from the scope of work described in this RI Work Plan;
- The data obtained during the RI and historical investigations, considered by Roux to be of useable quality, including geochemical data, field measurements, validated analytical results, etc.;
- For all investigation and emerging contaminants (EC) groundwater sample results that exceed TAL and TCL parameters above the GWQS or contaminant thresholds on the EC checklist sheet, a GIS well map will be produced that shows all public and private drinking water wells within ½ mile of the Site;
- Comparative criteria that may be used to calculate cleanup levels during the AA process, such as NYSDEC's USCOs, NYSDEC's GWQS, and other pertinent regulatory standards or criteria;
- A discussion of contaminant fate and transport. This will provide a description of the hydrologic parameters of the Site, and an evaluation of the lateral and vertical movement of groundwater;
- Conclusions regarding the extent and character of environmental impact in the media being investigated;
- The conclusions of the on-site and off-site qualitative human health and environmental exposure assessment completed in accordance with DER-10; and
- Supporting materials for RI data. These will include boring logs, monitoring well construction diagrams, laboratory analytical reports, and similar information.
- A conceptual site model in accordance with DER-10 requirements if a no further action conclusion is not achieved by the RI.

In addition, Roux will require third-party analytical data review by a qualified, independent data validation expert for the RI and historic investigation data. Specifically, a DUSR will be prepared, with appropriate data qualifiers added to the results. The DUSR will follow NYSDEC format per the NYSDEC's September 1997 DUSR guidelines and May 2010 DER-10 guidance. The DUSR and any necessary qualifications to the data will be appended to the RI report.

6.2 Alternatives Analysis (AA)

An Alternatives Analysis (AA) Report is developed to provide a forum for evaluating and selecting a recommended remedial approach, in accordance with DER-10. Based on the findings of the RI, a list of Remedial Action Objectives (RAOs) will be developed with the requirement for the selected remedial measures to be protective of human health and the environment under the proposed future use scenario. Proposed SCOs for the property will also be presented based on the proposed future use of the Site. SCOs will be based on published standards, criteria, and guidance (SCGs) and other NYSDEC and NYSDOH-accepted values.

Based on the RAOs and SCOs, volumes and areas of media potentially requiring remediation will be calculated. General response actions (GRAs) will then be delineated to address each of the site remedial areas. These GRAs will form the foundation for the development and screening of applicable remedial alternatives against the following criteria as described in 6NYCRR 375-1.8(f) and DER-10-4.2:

- Overall Protectiveness of Public Health and the Environment
- Conformance with SCGs
- Long-term Effectiveness & Permanence
- Reduction in Toxicity, Mobility, or Volume of Contamination through Treatment
- Short-Term Impacts and Effectiveness
- Implementability
- Cost Effectiveness
- Community Acceptance
- Land Use

In addition, the criteria of community acceptance will be considered based on public comments on the RI/AA Report and proposed remedial action. Following the screening of alternatives, a comparative analysis will be performed against the above criteria. The comparative analysis will allow for better understanding of the relative advantages and disadvantages of each of the alternatives and facilitate identification of a recommended remedial approach.

7. Project Schedule

Figure 5 presents a tentative project schedule for the major tasks to be performed in support of the RI Work Plan and RI/AA Report.

8. References

1. United States Department of Agriculture (USDA), Soil Conservation Service. *Soil Survey of Erie County, New York*. December 1986.
2. U.S. Environmental Protection Agency, Region II. *CERCLA Quality Assurance Manual, Revision I*. October 1989.
3. U.S. Environmental Protection Agency. National Functional Guidelines for Organic Data Review (EPA-540/R-94-012), 1994a.
4. U.S. Environmental Protection Agency. National Functional Guidelines for Inorganic Data Review (EPA-540/R-94-013), 1994b.
5. U.S. Environmental Protection Agency. *Requirements for Quality Assurance Project Plans for Environmental Data Operations (EPA QA/R-5)*. October 1998.
6. New York State Department of Environmental Conservation. *DER-10; Technical Guidance for Site Investigation and Remediation.* May 2010.
7. C&S Engineers, *Phase I Environmental Site Assessment: River Road and Main Street Properties.* February 2021.
8. Barron & Associates, P.C., *Geotechnical Engineering Report: Proposed Housing Development - 235 River Road and 190 Main Street.* April 2023.
9. Asbestos & Environmental Consulting Corporation, *Limited Phase II Environmental Site Assessment: Proposed North Tonawanda Main Street Redevelopment Site.* December 2023.
10. New York State Department of Health, *Soil Vapor Intrusion Guidance,* February 2024.

TABLES

ROUX

TABLE 1
SUMMARY OF RI SAMPLING AND ANALYTICAL PROGRAM
REMEDIAL INVESTIGATION WORK PLAN
235 RIVER ROAD
NORTH TONAWANDA, NEW YORK

Matrix	Investigation Location		Full List VOCs + TICs [1,2]	TCL SVOCs + TICs [2,3]	TAL Metals	PCBs	Pesticides	Herbicides	PFAS [4]	Full TCLP
RI Surface Soil/Fill										
Surface Soil/Fill	TP-1/SS	Surface Soil Samples	--	1	1	1	1	1	1	--
	TP-2/SS		--	1	1	1	1	1	1	--
	TP-3/SS		--	1	1	1	1	1	1	--
	TP-4/SS		--	1	1	1	1	1	1	--
	TP-5/SS		--	1	1	1	1	1	1	--
TOTAL SURFACE SOIL SAMPLES:			***0***	***5***	***5***	***5***	***5***	***5***	***5***	***0***
RI Subsurface - Fill Material										
Subsurface - Fill Material	TP-1	Test Pits	1	1	1	1	1	1	1	--
	TP-2		1	1	1	1	1	1	1	--
	TP-3		1	1	1	1	1	1	1	--
	TP-4		1	1	1	1	1	1	1	--
	TP-5		1	1	1	1	1	1	1	--
	TP-6		--	1	1	--	--	--	--	--
	TP-7		--	1	1	--	--	--	--	--
	TP-8		--	1	1	--	--	--	--	--
	TP-9		--	1	1	--	--	--	--	--
	TP-10		--	1	1	--	--	--	--	--
	MW-1	Soil Borings	1	1	1	1	1	1	1	--
	MW-2		1	1	1	1	1	1	1	--
	MW-3		1	1	1	1	1	1	1	--
RI Subsurface - Native Soil										
Subsurface - Native Soil	TP-1	Test Pits	1	1	1	1	1	1	1	--
	TP-2		1	1	1	1	1	1	1	--
	TP-3		1	1	1	1	1	1	1	--
	TP-4		1	1	1	1	1	1	1	--
	TP-5		1	1	1	1	1	1	1	--
	TP-6		--	1	1	--	--	--	--	--
	TP-7		--	1	1	--	--	--	--	--
	TP-8		--	1	1	--	--	--	--	--
	TP-9		--	1	1	--	--	--	--	--
	TP-10		--	1	1	--	--	--	--	--
	MW-4	Soil Borings	--	1	1	--	--	--	--	--
	MW-5		--	1	1	--	--	--	--	--
	MW-6		--	1	1	--	--	--	--	--
	MW-7		--	1	1	--	--	--	--	--
QA/QC	Soil	MS	1	2	2	1	1	1	1	--
		MSD	1	2	2	1	1	1	1	--
		Blind Dup	1	2	2	1	1	1	1	--
TOTAL SUBSURFACE SOIL SAMPLES:			***16***	***33***	***33***	***16***	***16***	***16***	***16***	***0***
RI Soil/Fill Waste Characterization										
Soil/Fill	TCLP 1 - 5	Waste Char.	--	--	--	--	--	--	--	5
TOTAL WASTE CHARACTERIZATION SAMPLES:			***0***	***0***	***0***	***0***	***0***	***0***	***0***	***5***
Soil Vapor (TO-15 Method for VOCs)	SV-1	Soil Vapor Samples	1	--	--	--	--	--	--	--
	SV-2		1	--	--	--	--	--	--	--
	SV-3		1	--	--	--	--	--	--	--
	SV-4		1	--	--	--	--	--	--	--
	OA-1		1	--	--	--	--	--	--	--
QA/QC	Vapor	Blind Dup	1	--	--	--	--	--	--	--
TOTAL SOIL VAPOR SAMPLES:			***6***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Groundwater[7]	MW-1	Groundwater	1	1	1	1	1	1	1	--
	MW-2		1	1	1	1	1	1	1	--
	MW-3		1	1	1	1	1	1	1	--
	MW-4		1	1	1	1	1	1	--	--
	MW-5		1	1	1	1	1	1	--	--
	MW-6		1	1	1	1	1	1	--	--
	MW-7		1	1	1	1	1	1	--	--
QA/QC	Groundwater	MS	1	1	1	1	1	1	1	--
		MSD	1	1	1	1	1	1	1	--
		Blind Dup	1	1	1	1	1	1	1	--
		Trip Blank	1	--	--	--	--	--	--	--
		Equipment Blank	1	--	--	--	--	--	--	--
TOTAL GROUNDWATER SAMPLES:			***12***	***10***	***10***	***10***	***10***	***10***	***6***	***0***

Notes:

1. Full List VOCs = TCL plus CP-51 List VOCs via Method 8260.
2. Tentaively Identified Compounds (TICs) will be analyzed per DER-10 for the RI samples.
3. 1,4-Dioxane will be analyzed in soil and groundwater samples. Groundwater samples to be analyzed using EPA Method 8270 SIM per NYSDEC guidelines.
4. PFAS = Analysis via EPA Method 537.1 for soils and groundwater.

Acronyms:

VOCs = Volatile organic compounds
PFAS = Per- and polyfluoroalkyl substances
SVOCs = Semi-volatile organic compounds
TCL = Target Compound List
TAL = Target Analyte List
BN = Base Neutrals
PCBs = Polychlorinated Biphenyls
RCRA = Resource Conservation and Recovery Act
TBD = To Be Determined

TABLE 2
SAMPLE CONTAINER, VOLUME, PRESERVATIVE &
HOLDING TIME REQUIREMENTS

235 RIVER ROAD
NORTH TONAWANDA, NEW YORK

Matrix	Parameter [1]	Method [1]	Container Type	Minimum Volume	Preservation (Cool to 2-4 °C for all samples)	Holding Time from Sample Date
Soil	TCL + CP-51 VOCs	8260B	EnCore/WMG	5 gm / 4 oz.	Cool to 2-4 °C, Zero Headspace	48 - hours / 14 days
	TCL SVOCs	8270C	WMG	16 oz.	Cool to 2-4 °C	14 days extrac./40 days
	TAL Metals [2]	6010	WMG	4 oz.	Cool to 2-4 °C	6 months/Hg 28 days
	Pesticides	8081	WMG	8oz	Cool to 2-4 °C	14 days extrac./40 days
	Herbicides	8151	WMG	8oz	Cool to 2-4 °C	14 days extrac./40 days
	PCBs	8082	WMG	4 oz.	Cool to 2-4 °C	14 days extrac./40 days
	PFAS	modified 537	HDPE/Polypropylene	4-8 oz.	Cool to 2-4 °C	14 days extrac./40 days
Groundwater	TCL + CP-51 VOCs	8260B	glass vial	3 - 4 oz.	HCl to pH<2, Zero Headspace, Cool to 2-4 °C	14 days
	PFAS	1633	HDPE/Polypropylene	2 - 500 mL	Cool to 2-4 °C	14 days
	1,4-Dioxane	8270 SIM	8270 SIM	2 - 500 mL	Cool to 2-4 °C	7 days extrac/40 days
	TCL SVOCs	8270C	amber glass	1000 ml	Cool to 2-4 °C	7 days extrac/40 days
	TAL Metals [2]	6010	plastic	600 ml	HNO_3 to pH<2, Cool to 2-4 °C	6 months/Hg 28 days
	Pesticides	8081B	amber glass	1000 ml	Cool to 2-4 °C	14 days extrac./40 days
	Herbicides	8151A	amber glass	1000 ml	Cool to 2-4 °C	14 days extrac./40 days
	PCBs	8082	amber glass	1000 ml	Cool to 2-4 °C	7 days extrac/40 days

References:

1. Test Methods for Evaluating Solid Wastes, USEPA SW-846, Update III, 1991.

Notes:

1. EPA-approved methods published in Reference 1 above may be used. The list of analytes, laboratory method and the method detection limit for each parameter are included in Tables 1 and 2 of the QAPP.
2. Mercury sampling in soil/groundwater via EPA methods 7471/7470 respectively.

Acronyms:

VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
TCL = Target Compound List
TAL = Target Analyte List
WMG = Wide Mouth Glass
PFAS = Per- and Polyfluoroalkyl Substances

TABLE 3
SUMMARY OF FIELD OPERATING PROCEDURES

235 RIVER ROAD
NORTH TONAWANDA, NEW YORK

FOP No.	Procedure
002.0	Abandonment of Monitoring Wells Procedure
004.6	Ambient Air/Subslab Vapor Sample Collection Procedure
007.0	Calibration and Maintenance of Portable Dissolved Oxygen Meter
008.0	Calibration and Maintenance of Portable Field pH/Eh Meter
009.0	Calibration and Maintenance of Portable Field Turbidity Meter
011.1	Calibration and Maintenance of Portable Photoionization Detector
012.0	Calibration and Maintenance of Portable Specific Conductance Meter
013.0	Composite Sample Collection Procedure for Non-Volatile Organic Analysis
015.0	Documentation Requirements for Drilling and Well Installation
017.0	Drill Site Selection Procedure
018.0	Drilling and Excavation Equipment Decontamination Procedures
021.0	Establishing Horizontal and Vertical Control
022.0	Groundwater Level Measurement
023.1	Groundwater Purging Procedures Prior to Sample Collection
024.1	Groundwater Sample Collection Procedures
024.2	Groundwater Sample Collection Procedures for PFOS & PFOS Sample
026.1	Hollow Stem Auger (HSA) Drilling Procedures
031.2	Low Flow (Minimal Drawdown) Groundwater Purging & Sampling Procedure
032.1	Management of Investigation-Derived Waste (IDW)
033.0	Monitoring Well Construction for Hollow Stem Auger Boreholes
036.0	Monitoring Well Development Procedures
040.1	Non-Disposable and Non-Dedicated Sampling Equipment Decontamination
041.0	Overburden Casing Installation Procedure
046.0	Sample Labeling, Storage and Shipment Procedures
048.0	Screening of Soil Samples for Organic Vapors During Impacted Soil Removal Activities
050.0	Sediment Sample Collection in Shallow Water Procedures
054.2	Soil Description Procedures Using The Visual-Manual Method
057.0	Soil Sample Collection for VOC Analysis - EnCore
063.2	Surface and Subsurface Soil Sampling Procedures
065.1	Test Pit Excavation and Logging Procedures
073.2	Real-Time Air Monitoring During Intrusive Activities
076.0	"Before Going Into the Field" Procedure
079.0	Stockpile Sampling Procedures for Chemical Analysis
080.0	Stockpile & Borrow Source Sampling Procedures for Physical Analysis
082.0	Waste Sampling Procedures
084.0	Calibration and Maintenance of Portable Particulate Meter
085.0	Field Quality Control Procedures

FIGURES

1. Site Location and Vicinity Map
2. Site Plan (Aerial)
3. Investigation Locations & Areas of Concern
4. Planned Remedial Investigation Locations
5. Preliminary Project Schedule

QUADRANGLE LOCATION

BASE MAP USGS QUADRANGLE 2023:
TONAWANDA WEST, NY.

N

3,000' 0 3,000'

Title:

SITE LOCATION AND VICINITY MAP

REMEDIAL INVESTIGATION WORK PLAN

235 RIVER ROAD SITE

NORTH TONAWANDA, NEW YORK

Prepared for:

235 RIVER ROAD, LLC

ROUX

Compiled by: JY	Date: AUGUST 2024
Prepared by: RFL	Scale: AS SHOWN
Project Mgr: MAL	Project: 4750.0001B000
File: FIGURE 1; SITE LOCVIC_235.DWG	

FIGURE 1

F:\CAD\0-ROUX\235 RIVER RD\RI\FIGURE 1; SITE LOCVIC_235.DWG

LEGEND:

BCP/PROPERTY BOUNDARY

PARCEL BOUNDARY

N

100' 0 100'

Title:

SITE PLAN
REMEDIAL INVESTIGATION WORK PLAN
235 RIVER ROAD SITE

NORTH TONAWANDA, NEW YORK

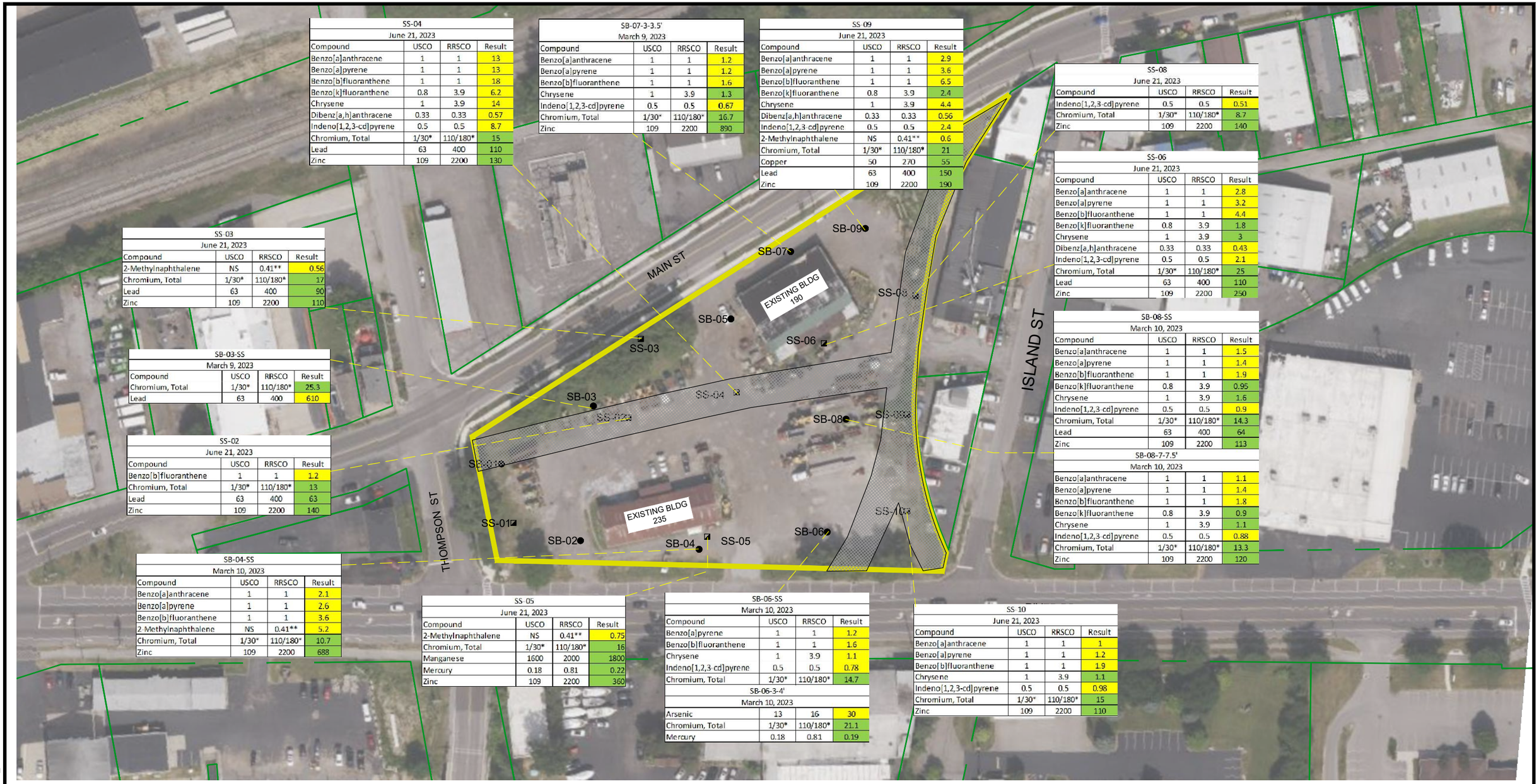
Prepared for:

235 RIVER ROAD, LLC

ROUX

Compiled by: RFL	Date: AUGUST 2024	FIGURE
Prepared by: RFL	Scale: AS SHOWN	2
Project Mgr: MAL	Project: 4750.0001B000	
File: FIGURE 2; SITE PLAN_235.DWG		

F:\CAD\0-ROUX\235 RIVER RD\RI\FIGURE 2; SITE PLAN_235.DWG



SS-04			
June 21, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	13
Benzo[a]pyrene	1	1	13
Benzo[b]fluoranthene	1	1	18
Benzo[k]fluoranthene	0.8	3.9	6.2
Chrysene	1	3.9	14
Dibenz[a,h]anthracene	0.33	0.33	0.57
Indeno[1,2,3-cd]pyrene	0.5	0.5	8.7
Chromium, Total	1/30*	110/180*	15
Lead	63	400	110
Zinc	109	2200	130

SB-07-3-3.5'			
March 9, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	1.2
Benzo[a]pyrene	1	1	1.2
Benzo[b]fluoranthene	1	1	1.6
Chrysene	1	3.9	1.3
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.67
Chromium, Total	1/30*	110/180*	16.7
Zinc	109	2200	890

SS-09			
June 21, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	2.9
Benzo[a]pyrene	1	1	3.6
Benzo[b]fluoranthene	1	1	6.5
Benzo[k]fluoranthene	0.8	3.9	2.4
Chrysene	1	3.9	4.4
Dibenz[a,h]anthracene	0.33	0.33	0.56
Indeno[1,2,3-cd]pyrene	0.5	0.5	2.4
2-Methylnaphthalene	NS	0.41**	0.6
Chromium, Total	1/30*	110/180*	21
Copper	50	270	55
Lead	63	400	150
Zinc	109	2200	190

SS-08			
June 21, 2023			
Compound	USCO	RRSCO	Result
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.51
Chromium, Total	1/30*	110/180*	8.7
Zinc	109	2200	140

SS-06			
June 21, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	2.8
Benzo[a]pyrene	1	1	3.2
Benzo[b]fluoranthene	1	1	4.4
Benzo[k]fluoranthene	0.8	3.9	1.8
Chrysene	1	3.9	3
Dibenz[a,h]anthracene	0.33	0.33	0.43
Indeno[1,2,3-cd]pyrene	0.5	0.5	2.1
Chromium, Total	1/30*	110/180*	25
Lead	63	400	110
Zinc	109	2200	250

SS-03			
June 21, 2023			
Compound	USCO	RRSCO	Result
2-Methylnaphthalene	NS	0.41**	0.56
Chromium, Total	1/30*	110/180*	17
Lead	63	400	90
Zinc	109	2200	110

SB-03-SS			
March 9, 2023			
Compound	USCO	RRSCO	Result
Chromium, Total	1/30*	110/180*	25.3
Lead	63	400	610

SB-08-SS			
March 10, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	1.5
Benzo[a]pyrene	1	1	1.4
Benzo[b]fluoranthene	1	1	1.9
Benzo[k]fluoranthene	0.8	3.9	0.95
Chrysene	1	3.9	1.6
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.9
Chromium, Total	1/30*	110/180*	14.3
Lead	63	400	64
Zinc	109	2200	113
SB-08-7-7.5'			
March 10, 2023			
Benzo[a]anthracene	1	1	1.1
Benzo[a]pyrene	1	1	1.4
Benzo[b]fluoranthene	1	1	1.8
Benzo[k]fluoranthene	0.8	3.9	0.9
Chrysene	1	3.9	1.1
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.88
Chromium, Total	1/30*	110/180*	13.3
Zinc	109	2200	120

SS-02			
June 21, 2023			
Compound	USCO	RRSCO	Result
Benzo[b]fluoranthene	1	1	1.2
Chromium, Total	1/30*	110/180*	13
Lead	63	400	63
Zinc	109	2200	140

SB-04-SS			
March 10, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	2.1
Benzo[a]pyrene	1	1	2.6
Benzo[b]fluoranthene	1	1	3.6
2-Methylnaphthalene	NS	0.41**	5.2
Chromium, Total	1/30*	110/180*	10.7
Zinc	109	2200	688

SS-05			
June 21, 2023			
Compound	USCO	RRSCO	Result
2-Methylnaphthalene	NS	0.41**	0.75
Chromium, Total	1/30*	110/180*	16
Manganese	1600	2000	1800
Mercury	0.18	0.81	0.22
Zinc	109	2200	360

SB-06-SS			
March 10, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]pyrene	1	1	1.2
Benzo[b]fluoranthene	1	1	1.6
Chrysene	1	3.9	1.1
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.78
Chromium, Total	1/30*	110/180*	14.7
SB-06-3-4'			
March 10, 2023			
Arsenic	13	16	30
Chromium, Total	1/30*	110/180*	21.1
Mercury	0.18	0.81	0.19

SS-10			
June 21, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	1
Benzo[a]pyrene	1	1	1.2
Benzo[b]fluoranthene	1	1	1.9
Chrysene	1	3.9	1.1
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.98
Chromium, Total	1/30*	110/180*	15
Zinc	109	2200	110

LEGEND:

- BCP/PROPERTY BOUNDARY
- PARCEL BOUNDARY
- SB-1 ● HISTORICAL SOIL BORING
- SS-1 ◪ HISTORICAL SURFACE SOIL SAMPLE
- APPROX. LIMITS OF FORMER RAILROAD LANDS
- CONCENTRATION EXCEEDS USCO
- CONCENTRATION EXCEEDS RRSCO

NOTES:
1. LOCATIONS OF BORINGS AND SURFACE SOIL SAMPLES FROM A DRAWING PREPARED BY ASBESTOS & ENVIRONMENTAL CONSULTING CORPORATION. ALL LOCATIONS ARE APPROXIMATE.
2. PROPERTY AND PARCEL BOUNDARIES ADAPTED FROM NIAGARA COUNTY GIS.
3. USCO = UNRESTRICTED COIL CLEANUP OBJECTIVE.
4. RRSCO = RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVE.
5. * = USED THE USCO AND RRSCO FOR HEXAVALENT CHROMIUM.
6. ** = VALUE INDICATED THE RESIDENTIAL SCO AS THERE IS NO RRSCO FOR THE INDICATED COMPOUND.

N

100' 0 100'

Title:

HISTORICAL INVESTIGATION LOCATIONS AND AREAS OF CONCERN

REMEDIAL INVESTIGATION WORK PLAN

235 RIVER ROAD SITE
NORTH TONAWANDA, NEW YORK

Prepared for:

235 RIVER ROAD, LLC

ROUX

Compiled by: RFL	Date: AUGUST 2024	FIGURE 3
Prepared by: RFL	Scale: AS SHOWN	
Project Mgr: MAL	Project: 4750.0001B000	
File: FIGURE 3; INV LOC_235RR.DWG		

F:\CAD\0-ROUX\235 RIVER RD\RI\FIGURE 3; INV LOC_235RR.DWG

MAIN ST

ISLAND ST

THOMPSON ST

RIVER RD

EXISTING BLDG 190

EXISTING BLDG 235

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7

SB-01 SB-02 SB-03 SB-04 SB-05 SB-06 SB-07 SB-08 SB-09

SS-01 SS-02 SS-03 SS-04 SS-05 SS-06 SS-07 SS-08 SS-09 SS-10

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

SVI-1 SVI-2 SVI-3 SVI-4

LEGEND:

- BCP/PROPERTY BOUNDARY
- PARCEL BOUNDARY
- SB-1 HISTORICAL SOIL BORING
- SS-1 HISTORICAL SURFACE SOIL SAMPLE
- APPROX. LIMITS OF FORMER RAILROAD LANDS
- HISTORICAL SOIL SAMPLE CONCENTRATIONS EXCEED RRSCO.
- TP-10/SS PLANNED RI TEST PIT (10), SS=SURFACE SOIL SAMPLE (5)
- MW-1 PLANNED MONITORING WELL (7)
- SVI-1 PLANNED SOIL VAPOR MONITORING POINT (4)
- PLANNED GROUNDWATER SAMPLE TESTING FOR PFAS (3)
- PLANNED SOIL SAMPLE TESTING FOR FULL SUITE OF PARAMETERS FROM FILL MATERIAL (5)
- PLANNED SOIL SAMPLE TESTING FOR FULL SUITE OF PARAMETERS FROM NATIVE SOIL (5-15 FBGS) (5)
- PLANNED SOIL BORING FOR FULL SUITE OF PARAMETERS FROM FILL MATERIAL (3)

NOTES:
1. RRSCO = RESTRICTED RESIDENTIAL SOIL CLEANUP OBJECTIVE.

80' 0 80'

PLANNED REMEDIAL INVESTIGATION LOCATIONS

REMEDIAL INVESTIGATION WORK PLAN

235 RIVER ROAD SITE
NORTH TONAWANDA, NEW YORK

Prepared for:
235 RIVER ROAD, LLC

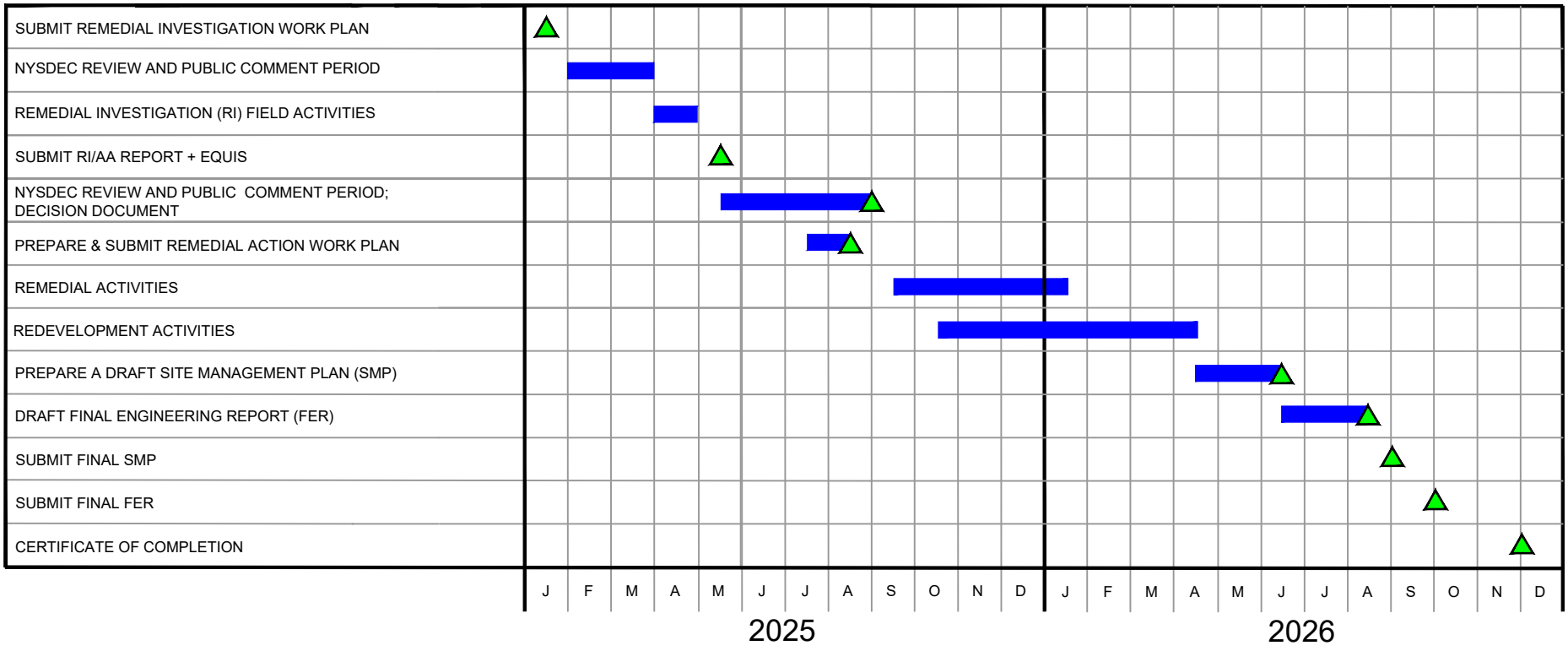
ROUX

Compiled by: RFL	Date: AUGUST 2024	FIGURE 4
Prepared by: RFL	Scale: AS SHOWN	
Project Mgr: MAL	Project: 4750.0001B000	
File: FIGURE 4; RI INV LOC_235RR.DWG		

F:\CAD\0-ROUX\235 RIVER RD\RI\FIGURE 4; RI INV LOC_235RR.DWG

F:\CAD\0-ROUX\235 RIVER RD\RI\FIGURE 5; PROJECT SCHEDULERFL.DWG

PROJECT TASKS:



Title:

PRELIMINARY PROJECT SCHEDULE

REMEDIAL INVESTIGATION WORK PLAN

235 RIVER ROAD
NORTH TONAWANDA, NEW YORK

Prepared for:

235 RIVER ROAD, LLC

ROUX

Compiled by: RFL	Date: AUGUST 2024	FIGURE
Prepared by: RFL	Scale: AS SHOWN	5
Project Mgr: MAL	Project: 4750.0001B000	
File: FIGURE 5; PROJECT SCHEDULERFL.DWG		

APPENDICES

A. Professional Profiles
B. Previous Investigations (*Flash Drive*)
C. Project Documentation Forms
D. Health and Safety Plan (HASP) including CAMP
E. Field Operating Procedures (FOPs)

APPENDIX A

Professional Profiles

PROFESSIONAL PROFILE

Michael Lesakowski

Vice President | Principal Scientist | Co-operations Manager

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EDUCATION
Master of Science
Environmental Engineering Science
University at Buffalo, 2008

Bachelor of Science
Biology
State University of New York at Fredonia, 1994

EXPERIENCE SUMMARY

Over 25 years professional experience in environmental engineering, science and consulting at numerous contaminated sites throughout the northeast United States as Vice President (Roux Environmental Engineering and Geology, DPC), President, Principal Scientist, Sr. Project Manager and Project Manager (TurnKey Environmental Restoration, LLC), Executive Vice President, Project Manager and Environmental Scientist (LCS, Inc.) and Environmental Scientist (GZA GeoEnvironmental of NY).

TECHNICAL SPECIALTIES

Expert in all aspects of the New York Brownfield Cleanup Program, including technical assessment and analysis of the site investigation/remedy selection process, and site remediation. Expert in the business of the NY BCP sites, including cost/credit analysis and structured liability transfers of contaminated properties. Mr. Lesakowski has investigated and remediated over 100 NY brownfield projects, including 10 renewable energy redevelopment projects on remediated brownfield sites. He has managed assessments, investigations and remediation projects on properties with a multitude of historic uses (e.g., petroleum storage refineries and terminals, gas stations, automobile dealerships, rail yards, foundries, dry cleaners, steel manufacturing, metallurgical plants, metal plating operations, junk yards), media types (surface and subsurface soil, groundwater, sediments, soil vapor, indoor air, building materials) and contaminants (e.g., volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), heavy metals, per- and polyfluoroalkyl substances (PFAS)). Mr. Lesakowski has managed remediation projects, ranging from simple underground storage tank (UST) removals to large-scale soil excavations, in-situ soil stabilization, and complex groundwater remediation programs, such as biological and/or chemical in-situ groundwater treatment and permeable reactive barriers for VOCs and PFAS.

REPRESENTATIVE PROJECTS

GLR Holdings Site, Niagara Falls, New York

Manager and Principal Investigator/Remediator for Remedial Investigation (RI), Interim Remedial Measure (IRM) and Remedial Alternatives Analysis under the NYSDEC guidance for a former automotive repair facility with significant soil, groundwater and soil vapor chlorinated volatile organic compounds impact. The RI included a hydrogeologic assessment, including soil borings using a hollow stem auger drill rig, installation, development and sampling of groundwater monitoring wells, an on-site and off-site soil vapor assessment and dye test to trace drains and sewers to evaluate potential preferential pathways. The remediation approach included:

- soil excavation and disposal;
- in-situ enhanced biodegradation of groundwater, and,
- The newly constructed building included an active subslab depressurization system to protect the occupants from potential soil vapor intrusion.

The site was redeveloped as a restaurant.

Seneca Market I, LLC Site, Watkins Glen, New York

Manager of Site Investigation and Remediation at a former drycleaner, bus garage and asphalt plant under NYSDEC guidance with significant chlorinated volatile organic compounds impact. The investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling. The remediation approach involved:

- underground storage tank removal;
- in-ground hydraulic lift removal
- hazardous soil excavation and disposal proximate a commercial building;
- enhanced biodegradation of groundwater;
- Groundwater extracted during excavation was treated with granular activated carbon and discharged to the municipal sewer system
- An active subslab depressurization system to protect the occupants from potential soil vapor intrusion; and,
- Portions of the site included an engineered soil cover system.

The Property was redeveloped with an up-scale hotel.

330 Maple Road Site, Amherst, New York

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance for a small-arms shooting range with hazardous lead and semi-volatile organic compounds (SVOCs) in soil. The RI involved collecting over 1,000 soil samples on 26-acre parcel slated for future mixed-use commercial and residential development. Bench-scale testing was completed to select a substrate to treat the characteristic hazardous soil to below toxicity characteristic leaching procedure (TCLP) thresholds. Remedial Action included:

- physical removal of lead shot from the soil matrix;
- in-situ stabilization of characteristically hazardous lead-impacted soil; and,
- Excavation and off-site disposal of lead and SVOC-impacted soil.

The site was remediated to allow for residential re-use.

275 Franklin Street Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site formerly used as drycleaner in western New York with significant soil and groundwater chlorinated VOC impacts. The investigation included a hydrogeologic assessment, including soil borings and overburden and bedrock monitoring well installation, development and sampling. Soil was successfully remediated using a combination of soil vapor extraction and excavation and off-site disposal. Groundwater remediation involved in-situ treatment of impacted groundwater at the downgradient property boundary whereby groundwater migrated through a permeable reactive barrier. An active sub-slab depressurization system design and installation is planned in the new building during construction.

Niagara Street and Pennsylvania Avenue Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site formerly used as gasoline and service station in Buffalo, New York with significant petroleum impacts. The investigation included a hydrogeologic assessment, including soil borings and overburden monitoring well installation, development and sampling. Remedial Action included:

- Demolition of the former service station building and product dispenser canopy and disposal of construction and demolition debris;
- Removal and recycling of approximately 80 tons of concrete at Iron City in Lackawanna, New York;
- Removal of five underground storage tanks, including all associated dispensing units and underground product piping;
- Excavation of petroleum-impacted soil/fill followed by off-site transportation and disposal a commercial landfill;
- Extraction and treatment of approximately 6,000-gallons of groundwater from the excavation during remediation activities using bag filtration and granular activated carbon and discharge to the municipal sewer; and,
- Placement and compaction of approximately crusher run stone backfill to the approximate pre-existing grade.

1501 College Avenue Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former heavy industrial and manufacturing facility in Niagara Falls, New York. The investigation included a hydrogeologic assessment, including soil borings, test pits and overburden monitoring well installation, development and sampling. Remedial Action included:

- Disposal of galbestos roofing and building materials;
- Collection and removal of seven (7) roll-off containers of abandoned drums and containers of off-spec former carbon electrode manufacturing materials;
- Waste petroleum oil was vacuumed out of two abandoned tanker trucks;
- Cleaning and collection of steel ASTs, empty drums and two (2) abandoned tanker trucks and transported off-site with other on-Site scrap metals (i.e., building demolition metals);
- Excavation and disposal of non-hazardous petroleum-impacted soil/fill;
- Excavation of PCB-impacted soil/fill;
- Extraction and storage of approximately 20,000 gallons of impacted water removed from the excavation for solidification and final disposal at a commercial landfill; and,
- A soil cover system across the site.

500 South Union Street Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former dry cleaning facility in Spencerport, New York. The investigation included a hydrogeologic assessment, including exterior and interior soil borings, test pits and monitoring well installation, development and sampling, soil vapor testing and hydrogeologic assessment to design the in-situ groundwater treatment program. Remedial Action included:

- Installation of an active subslab depressurization system within the existing building to prevent migration of vapors into the building air;
- In-situ injection of treatment agent at 71 injection points located across the Site to enhance natural biodegradation of cVOCs in groundwater;
- Limited excavation and off-Site disposal of surface soil/fill exceeding commercial use soil cleanup objectives; and,
- Construction and maintenance of a soil cover system consisting of the existing building, pavement (asphalt), sidewalks, and soil cover in all other areas at a minimum of one foot thick over the demarcation layer, to prevent human exposure to remaining contaminated soil/fill remaining at the Site;

The site is currently used as a multi-tenant commercial facility.

Scott Rotary Seals Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining facility in Olean, New York. The investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling, as well as subslab vapor/indoor air testing. Remedial Action included:

- Limited excavation and off-Site disposal of shallow grossly contaminated soil to a depth of approximately 6-feet below final grade within the northwest area of the Site, including the building footprint and utility corridors;
- Installation of a soil vapor extraction system to treat grossly contaminated soil in the deeper vadose zone soil/fill from approximately 6-fbgs to the top of the groundwater surface;
- Construction and maintenance of a soil cover system consisting of buildings, pavement (asphalt and concrete), sidewalks, and soil cover in all other areas at a minimum of one foot thick over the demarcation layer, to prevent human exposure to remaining contaminated soil/fill remaining at the Site;

- Installation of an active subslab depressurization system within the newly constructed on-Site building to prevent migration of vapors into the buildings; and,
- Installation of a LNAPL removal system within certain on-Site wells, utilizing absorbent socks.

The site is was redeveloped as a light industrial and commercial facility.

Olean Redevelopment Parcel 2 Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining and major storage facility in Olean, New York. The comprehensive investigation, which was completed over three separate sites (Olean Redevelopment Parcels 1,2 and 3) totaling approximate 60-acres, included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling.

As part of the investigation, bench-scale studies were completed to assess treatment of grossly contaminated petroleum soil (GCPS) impacted soil and lead-impacted soil. Soil/fill batches were treated by mixing to simulate landfarming; stabilized with lime, Portland cement, and fly ash (all amendments added at 2% and 5% by weight); and chemically oxidized with hydrogen peroxide (1% and 3% by weight).

Based on the results of the bench-scale treatability studies, four pilot-scale treatability studies were performed: in-situ SVE; ex-situ landfarming; force vented biopiles (FVBP); and, solidification/stabilization. As part of these pilot-scale treatability studies, biofiltration was assessed as component of treatment of the extracted air from the in-situ SVE pilot study and for the FVBP pilot study.

Remedial Action included:

- Approximately 2,715-tons of arsenic contaminated soil/fill, 143-tons of mercury contaminated soil/fill and 638-tons of grossly contaminated petroleum soil (GCPS) was excavated, loaded, and transported off-Site to a commercial landfill;

- Approximately 34,313 linear feet of subsurface metallic product piping (steel, cast iron, lead and copper) was exposed, tapped, evacuated of contents, removed, cleaned and recycled or disposed. An additional 156 linear feet of wood pipe was also exposed, tapped, evacuated of contents, removed, cleaned and disposed off-site. Piping which extended beyond the property boundary was capped and/or grouted at the apparent property line. Approximately 240 cubic yards of GCPS was excavated during piping removal activities and treated on the on-site force-vented biopiles FVBPs and reused as backfill below the cover system;

- Approximately 24, 55-gallon drums were generated from the removal of the abandoned subsurface piping. The contents of the piping included LNAPL, residual pipe scale, and product sludge. The 24 drums (15 non-hazardous and 9 hazardous) were disposed at a commercial landfill. In addition to the drums, approximately 3.5 tons of tank contents that were placed into roll-off containers and solidified with Portland cement due to liquid content were disposed at a commercial landfill. Water extracted from excavations during piping removal was pumped into holding tanks, treated with bag filters and granular activated carbon (GAC) on-site, pumped into a secondary on-Site temporary holding tank, sampled, and discharged to the municipal sanitary sewer with approval under an Industrial Pretreatment Program permit. Approximately 4 drums of wash water generated during holding tank cleaning were disposed at a commercial landfill;

- Design, installation and operation of a SVE system to address GCPS in the deeper soil/fill from approximately 2 to 15 fbgs. The SVE system included the installation of 13 SVE wells, associated conveyance piping, and placement of three trailer-mounted SVE blowers. Emissions from the SVE system were controlled using biofilters, which allowed the naturally occurring microbes to bioremediate the air stream and control the nuisance odors from the SVE systems.

- Light non-aqueous phase liquid (NAPL) recovery was completed utilizing hydrocarbon absorbent socks at one well and a product pump at one well. LNAPL thicknesses at these locations has been measured to vary from 0 to 6.5 ft. Recovered product was transferred to properly labeled and sealed 55-gallon drums at the Site for future off-Site disposal.

- A site cover system was constructed to allow for commercial use of the Site. The cover system consists of a minimum of one foot of soil. A portion of the Site is covered with an asphalt road that serves as part of the cover system The soil cover was placed over a demarcation layer, consisting of orange plastic mesh, and was hydroseeded and fertilized. On-Site drainage ditches were lined with rip-rap.

Olean Redevelopment Parcel 3 Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining and major storage facility in Olean, New York. The comprehensive investigation, which was completed over three separate sites (Olean Redevelopment Parcels 1,2 and 3) totaling approximate 60-acres, included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling.

As part of the investigation, bench-scale studies were completed to assess treatment of grossly contaminated petroleum soil (GCPS) impacted soil and lead-impacted soil. Soil/fill batches were treated by mixing to simulate landfarming; stabilized with lime, Portland cement, and fly ash (all amendments added at 2% and 5% by weight); and chemically oxidized with hydrogen peroxide (1% and 3% by weight).

Based on the results of the bench-scale treatability studies, four pilot-scale treatability studies were performed: in-situ SVE; ex-situ landfarming; force vented biopiles (FVBP); and, solidification/stabilization. As part of these pilot-scale treatability studies, biofiltration was assessed as component of treatment of the extracted air from the in-situ SVE pilot study and for the FVBP pilot study.

Remedial Action included:

- Approximately 425-tons of arsenic contaminated soil/fill, 235-tons of GCPS was excavated, loaded, and transported off-Site to a commercial landfill;

- Approximately 7,592-tons of lead contaminated soil/fill was stabilized in-place utilizing Portland cement to treat the soil and render it non-hazardous;

- Approximately 50,667 linear feet of subsurface metallic product piping (steel, cast iron, lead and copper) was exposed, tapped, evacuated of contents, removed, cleaned and recycled or disposed. An additional 232 linear feet of wood pipe was also exposed, tapped, evacuated of contents, removed, cleaned and disposed off-site. Piping which extended beyond the property boundary was capped and/or grouted at the apparent property line. Approximately 2,552 cubic yards of GCPS was excavated during piping removal activities and treated on the on-site FVBPs and reused as backfill below the cover system;

- Approximately 33, 55-gallon drums were generated from the removal of the abandoned subsurface piping. The contents of the piping included LNAPL, residual pipe scale, and product sludge. The 33 drums (21 non-hazardous and 12 hazardous) were disposed at a commercial landfill. In addition to the drums, approximately 4.9 tons of tank contents that were placed into roll-off containers and solidified with Portland cement due to liquid content were disposed at a commercial landfill. Water extracted from excavations during piping removal was pumped into holding tanks, treated with bag filters and granular activated carbon (GAC) on-site, pumped into a secondary on-Site temporary holding tank, sampled, and discharged to the municipal sanitary sewer with approval under an Industrial Pretreatment Program permit. Approximately 6 drums of wash water generated during holding tank cleaning were disposed at a commercial landfill;

- Installation and operation of a SVE system to address GCPS in the deeper soil/fill from approximately 2 to 15 fbgs. The SVE system included the installation of 58 SVE wells, associated conveyance piping, and placement of three trailer-mounted SVE blowers. Emissions from the SVE system were controlled using biofilters, which allowed the naturally occurring microbes to bioremediate the air stream and control the nuisance odors from the SVE systems.

- LNAPL recovery was completed utilizing hydrocarbon absorbent socks;

- A site cover system was constructed to allow for commercial use of the Site. The soil cover was placed over a demarcation layer, consisting of orange plastic mesh, and was hydroseeded and fertilized. On-Site drainage ditches were lined with rip-rap.

The site was redeveloped as a commercial solar power generating facility.

Olean Redevelopment Parcel 1 Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining and major storage facility in Olean, New York. The comprehensive investigation, which was completed over three separate sites (Olean Redevelopment Parcels 1,2 and 3) totaling approximate 60-acres, included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling.

As part of the investigation, bench-scale studies were completed to assess treatment of grossly contaminated petroleum soil (GCPS) impacted soil and lead-impacted soil. Soil/fill batches were treated by mixing to simulate landfarming; stabilized with lime, Portland cement, and fly ash (all amendments added at 2% and 5% by weight); and chemically oxidized with hydrogen peroxide (1% and 3% by weight).

Based on the results of the bench-scale treatability studies, four pilot-scale treatability studies were performed: in-situ SVE; ex-situ landfarming; force vented biopiles (FVBP); and, solidification/stabilization. As part of these pilot-scale treatability studies, biofiltration was assessed as component of treatment of the extracted air from the in-situ SVE pilot study and for the FVBP pilot study.

- Approximately 1,652 tons of arsenic contaminated soil/fill, 110 tons of mercury contaminated soil/fill, approximately 357 tons of PCB contaminated soil/fill, and approximately 5,722 tons of PAH (SVOC)-contaminated was excavated, loaded, and transported off-site to a commercial landfill;
- Removal of an ammonia tank, approximately 500-gallon stainless steel vertical UST with no piping; and associated PCB- and ammonia-impacted soil;
- Approximately 49,976 linear feet of subsurface metallic product piping was exposed, tapped, evacuated of contents, removed, cleaned and recycled. An additional approximate 578 tons of GCPS contaminated soil/fill was excavated, loaded, and transported off-site to a commercial landfill;
- Approximately 48, 55-gallon drums were generated during the remedial work, 42 of which were generated from the removal of the abandoned subsurface piping. The contents of the piping included LNAPL, residual pipe scale, and product sludge. Water extracted from excavations during piping removal was pumped into holding tanks, treated with bag filters and granular activated carbon (GAC) on-site, pumped into a secondary on-site temporary holding tank, sampled, and discharged to the municipal sanitary sewer;
- Installation and operation of a SVE system to address GCPS in the soil/fill from approximately 2 to 15 fbgs. The SVE system included the installation of seven SVE wells, associated conveyance piping, and placement of an SVE blower. Emissions from the SVE system were controlled using a biofilter to bioremediate the air stream and control the nuisance odors from the SVE system;
- LNAPL recovery was completed using hydrocarbon absorbent socks and/or manual bailing at six wells and a product skimmer at one well. LNAPL thicknesses at these locations has been measured to vary from 0.3 to 5.05 ft. Recovered product was transferred to properly labeled and sealed 55-gallon drums at the Site for off-site disposal; and,

- Construction and maintenance of a site cover system.

A portion of the site was redeveloped as a hotel.

251 Homer Street Redevelopment Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining and major petroleum storage facility in Olean, New York. The investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling. Remedial Action included:

- Removal and recycling of approximately 10,644 linear feet of piping (approx. 97 tons) ranging in diameter from 2-inch to 12-inch. Removal and disposal of 51, 55-gallon drums containing oil, sludge, and scale from within the piping. Extraction, treatment, and discharge of approximately 21,000 gallons of water from within the pipes and perched water encountered during trench excavation under a temporary discharge permit issued by the municipal Wastewater Treatment Plant (WWTP);
- Excavation and off-site disposal of 49,670 tons of grossly contaminated soil (GCS) followed by backfill with clean imported soil. The on-site drainage ditch was converted to a closed 30-inch subsurface drainage pipe as discussed with NYSDEC;
- Excavation and off-site disposal of approximately 2,106 tons of arsenic-impacted soil/fill followed by backfill with clean imported soil;
- Extraction, treatment using granular activated carbon (GAC), and discharge of approximately 250,000 gallons of water encountered during excavation activities under a temporary discharge permit issued by the municipal WWTP;
- Temporary re-routing of Two Mile Creek, followed by excavation of approximately 4,000 tons on-site and 973 tons off-site of Two Mile Creek bed and bank material followed by off-site disposal, and backfilling. The creek bed and banks were restored with stone (creek bottom), and clay and clean soil (creek banks), including biodegradable erosion control blanket, riparian shrubs and hydro-seeding of creek banks;
- Construction and maintenance of a cover system consisting of a minimum 12 inches of clean soil or gravel to prevent human exposure to remaining contaminated soil/fill remaining at the site.

The site was redeveloped as a commercial solar power generating facility.

300 Ohio Street Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum storage and sales facility in Buffalo, New York. The investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling, as well as subslab vapor/indoor air testing. Remedial Action included:

- Excavation and off-site disposal of the underground storage tank (UST) system. A total of sixteen (16) USTs and related piping and appurtenances were uncovered and removed, cleaned of residual contents and transported off-site for recycling as scrap;
- Excavation and off-site disposal of approximately 18,650 tons of grossly contaminated petroleum soil, approximately 220 tons of soil/fill exceeding 500 ppm total PAHs, and approximately 425 tons of soil/fill exceeding Commercial Use SCOs for arsenic and lead;
- Approximately 500 cubic yards (cy) of recyclable concrete and stone generated from the removal of buildings and sign footers/foundations, was crushed on-Site and used for backfill and subsurface grading beneath the cover system; and,
- Construction and maintenance of a cover system consisting a minimum of 12 inches of approved soil/stone material above a demarcation fabric to prevent human exposure to contaminated soil/fill remaining at the site.

A portion of the site was redeveloped as a brewery and restaurant.

229 Homer Street Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining and major petroleum storage facility in Olean, New York. The investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development, and sampling, as well as a soil vapor intrusion assessment. Remedial Action included:

- Approximately 5,815 tons of grossly contaminated soil GCS-impacted soil/fill was excavated and transported off-site for disposal at a commercial landfill;
- Approximately 1,946 linear feet of subsurface metallic product piping was exposed, tapped, evacuated of contents, removed, cleaned and recycled. Piping which extended beyond the property boundary was capped and/or grouted at the property line.
- Approximately 19 tons of piping was recycled as scrap metal. Cleaning of the pipes generated 4 drums of pipe scale, oil and water, which was transported off-site for incineration.
- Design, installation and operation of an air sparge/soil vapor extraction (AS/SVE) system to address GCS in the deeper soil/fill from approximately 5 to 15 fbgs and in the upper 5 ft of the water table (i.e., smear zone). The air sparge portion of the system includes 53 injection wells connected to an air compressor in a climate-controlled trailer via individual 1" polyethylene lines. The SVE system includes 14 extraction wells connected by 2" polyethylene lines to one of two blowers in a separate climate-controlled trailer. Emissions from the SVE system are controlled using a biofilter, which allows naturally occurring microbes to bioremediate the air stream and control the nuisance odors from the AS/SVE system;
- Construction and maintenance of a site cover system.

Former Trico Plant Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former manufacturing facility in Buffalo, New York. The investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling, as well as subslab vapor/indoor air testing. Remedial Action included:

- Construction and maintenance of a site cover system.
- In-situ on-site treatment of groundwater contaminated with chlorinated volatile organic compounds (cVOCs);
- Removal of six (6) hydraulic lifts and associated infrastructure and impacted soil/fill;
- Pumping and on-site treatment of water present in the building sub-basement prior to sanitary sewer discharge under a temporary discharge permit;
- Cleaning accessible sump and sewer structures with evidence of potential impacts;
- Removing and properly disposing off-site miscellaneous abandoned regulated waste materials; and abating building components for lead, asbestos, oil staining, PCBs, etc. as required during redevelopment. Building surfaces and features planned to remain with evidence of impacts from historic operations will be encapsulated or sealed;
- Installing an active sub-slab depressurization (ASD) system within the existing buildings; and,
- Maintaining existing cover system in accordance with 6NYCRR Part 375 and NYSDEC DER-10 guidelines. The cover system includes building foundations and asphalt on former Burton Street.

The site is being redeveloped as a mixed-use commercial and residential complex.

Jamison Road Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at an active industrial facility in Elma, New York. The Remedial Investigation was completed across the BCP Site and off-site on adjacent parcels to supplement previous environmental data and delineate or identify areas requiring remediation. Field

activities included soil boring advancement; test pit excavations; surface and near-surface soil/fill sampling; overburden and bedrock monitoring well installation; groundwater and storm water quality sample collection; soil vapor sample collection; and, subslab vapor, indoor air and outdoor air sample collection in six on-site buildings and one off-site building. Hydraulic conductivity testing was also completed in the overburden groundwater zone as well as the bedrock groundwater to assess groundwater transmissivity. Remedial Action included:

- Excavation of 2,430 tons of contaminated soil/fill, which was disposed off-site at a commercial landfill;
- 314 tons of flowable fill proximate to a sewer line was excavated as it was deemed unsuitable due to structural considerations, which was also disposed off-site at commercial landfill;
- Two steel former pipes that ran along the eastern boundary of an on-site building were removed and disposed at a commercial landfill. Approximately 10-gallons of residual hydraulic oil removed from the pipes was transported and recycled off-site;
- Approximately 13,415 cubic yards (CY) of non-impacted soil was excavated for the construction of new buildings. With NYSDEC approval, 12,250 CY of soil was exported for reuse at another site and the remaining soil was reused on-site;
- During overburden soil removal, approximately 1,100,000 gallons of Chlorinated VOC-impacted groundwater was extracted, treated using granular activated carbon, tested, and discharged;
- A former 15" concrete storm sewer was encountered during foundation excavation for new buildings. Approximately 150 gallons of emulsified oil and water were removed using a vacuum truck, transported to an on-site frac tank and later disposed. A portion of the former sewer was removed, and the remaining portion of the sewer was filled in with concrete;
- Installing an active sub-slab depressurization (ASD) system within two new building and two existing buildings;
- As part of the remedial design, a bench-scale treatability study evaluation of media was conducted. The study included four column reactors filled with four different material combinations to determine which most effectively removed CVOCs from the Site groundwater. A proprietary product comprised of granular carbon and zero-valent iron was selected as the treatment medium;
- Implementation of *in-Situ* Chemical Reduction (ISCR) in the form of a permeable reactive barrier (PRB) with two approximate 250-feet long slurry wall legs to direct the groundwater toward the PRB. The slurry walls consist of a homogeneous mixture of soil, bentonite, and water, with a maximum hydraulic conductivity of $1x10^{-6}$ cm/s. The PRB and slurry wall legs were installed in the northwestern corner of the site to treat groundwater impacted by chlorinated volatile organic compounds;
- Implementation of in-situ phytoremediation using hybrid poplar trees to treat groundwater impacted by 1,4-dioxane. The hybrid poplar trees were planted in two rows in the northwestern corner of the site, upgradient of the PRB; and,
- Installation of an in-line air stripper to remove CVOCs from storm water prior to discharge.

The site has been redeveloped with a mixed-use industrial manufacturing facility and related research and development offices.

1827 Fillmore Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former gravel pit filled in with miscellaneous soil/fill and construction and demolition debris in Buffalo, New York located adjacent to two public schools. The Remedial Investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling. As part of the Remedial Investigation, bench-scale studies were completed to assess treatment characteristically hazardous lead-impacted soil. Soil/fill batches were treated by mixing different amendments, including Portland cement and phosphoric acid, at varying percentages by weight. 5% Portland cement was selected as the soil amendment. Remedial action included:

- In-situ stabilization of approximately 3,091 cubic yards of characteristic hazardous lead soil/fill using Portland cement in two remedial areas of concern;
- Excavation and off-site disposal of contaminant source areas, including soil exceeding the site-specific action levels (SSALs) of 3,900 ppm of lead and soil containing total semi-volatile organic compounds (SVOCs) exceeding 500 ppm. Approximately 2,200 tons of soil was removed and disposed off-Site, including 160 tons of soil exceeding the hazardous criteria for lead, which was treated in-situ and rendered non-hazardous prior to disposal; and,

- Construction and maintenance of a soil cover system consisting of a minimum of one foot of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer to prevent human exposure to remaining contaminated soil/fill.

The site is planned to be redeveloped with mixed-use commercial and residential buildings.

3100 Clinton Street Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former railyard filled in with miscellaneous soil/fill in West Seneca, New York and located adjacent to a regulated wetland. The Remedial Investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling. Remedial Action included:

- Clearing and grubbing of vegetation, shrubs, and trees to allow remedial excavation activities. Approval to complete work activities within designated wetland areas was received from the United States Army Corps of Engineers and NYSDEC prior to starting work in those areas;
- Excavation and off-site disposal of approximately 45,850 tons (approximately 30,600 cubic yards) of PAH- and metals-impacted soil/fill;
- Excavation and off-site transport to an approved location of a total of 761 loads of surplus native soils which were determined to be structurally unsuitable for redevelopment purposes;
- Excavation and off-site disposal of 5.9 tons of treated/weathered wood (former railroad ties);
- Collection, storage, volume measurement, and discharge of 1,005,000 gallons of groundwater and/or rainwater encountered during remedial activities;
- Backfilling of the excavation area with approximately 172,724 tons of backfill including screened backfill and surge stone. Surge stone was required in areas of the site where natural soils were not suitable for geotechnical requirements of the planned building. In those areas, certain native soils were removed and/or bridged with filter fabric and surge stone was installed beneath compacted gravel.

The site was redeveloped with state-of-the-art food processing protein plant.

351 Franklin Street Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining and major storage facility in Olean, New York. The Remedial Investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling. Exterior soil vapor sampling and an interior soil vapor intrusion (SVI) assessment was completed within one on-site building. A pre-design investigation included additional groundwater monitoring wells and gauging/monitoring levels of light non-aqueous phase liquid (LNAPL). As part of the remedial design, bench-scale studies will be completed to assess potential treatment options for grossly-contaminated material (GCM), including assessment of Portland cement and other potential amendments (e.g., lime-kiln dust), at varying percentages by weight. Remedial actions to be completed include:

- Excavation and reuse of the top one foot of SVOC- and arsenic-impacted soil under the cover system, and disposal of excess material;
- Excavation of non-GCM-impacted soil/fill that resides over the GCM and staging of the material on-site for reuse as backfill under the cover system;
- Excavation and disposal of approximately 16,000 tons of GCM-impacted soil/fill and completion of in-situ solidification (ISS) as needed to address GCM-impacted soil/fill at the water table, followed by backfill and site grading. After the completion of ISS mixing activities, the solidified soil will be allowed to cure for 28 days. After the mixture has cured, core samples will be collected from the solidified soil and post-treatment tests, including unconfined compressive strength (UCS), permeability testing and free liquid testing, will be completed to ensure that the solidified soil meets ISS performance requirements;
- Solidification of excavated soil, as needed, prior to disposal, based on landfill requirements;
- Removal and transferal of abandoned petroleum piping encountered during GCM excavation activities to a recycling

facility and extraction and disposal of piping contents;
- Management of impacted groundwater and stormwater during remedial activities;
- Placement of a cover system across the entire Site;
- Installation of an active sub-slab depressurization (ASD) system in the newly constructed building during construction and completion of SVI sampling;
- Monitoring of groundwater level and LNAPL; and, Removal of LNAPL via bailing or in-well pumps as needed from monitoring wells over time.

The site is planned for a redevelopment as a mixed use commercial and light industrial building.

PROFESSIONAL PROFILE

CONTACT INFORMATION

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2558 Hamburg Turnpike
Suite 300
Buffalo, New York 14218

EDUCATION

BS, Chemical Engineering, State University of New York at Buffalo, 1988

Graduate of State University of New York at Buffalo School of Management Center for Entrepreneurial Leadership, 2002

Graduate-level courses in Biological Principles of Engineering and Hazardous Waste Management through the State University of New York at Buffalo Department of Environmental Engineering

PROFESSIONAL LICENSES

Professional Engineer: NY, PA, and OH

Thomas H. Forbes, PE

Vice President | Principal Engineer | Co-operations Manager

EXPERIENCE SUMMARY

Mr. Forbes has more than thirty-five years of environmental engineering experience: Vice President, Principal Engineer, and Co-operations Manager at Roux, July 2023 to Present; Principal Engineer and President at Benchmark Civil/Environmental Engineering & Geology, PLLC, June 1998 to July 2023; and Project Engineer, Malcolm Pirnie, Inc., June 1988 to June 1998.

TECHNICAL SPECIALTIES

Mr. Forbes is a registered professional engineer licensed in the States of New York, Ohio, and Pennsylvania. He has over thirty-five years of experience focused on brownfield and hazardous waste site investigation and remediation; petroleum-impacted site remediation; due diligence for environmentally-impaired properties; groundwater and industrial wastewater treatment; and environmental regulatory compliance services. He holds a BS in Chemical Engineering from the University at Buffalo. He is currently a Vice President and Principal Engineer for Roux (2023- present). Mr. Forbes' investigations and cleanups have included well over 250 sites contaminated with a wide range of materials, including per- and polyfluoroalkyl substances (PFAS), chlorinated solvents, polyaromatic hydrocarbons, polychlorinated biphenyls (PCBs), dioxins, heavy metals, cyanide, radioactive isotopes, and petroleum contamination. He has evaluated and successfully implemented cost-saving and innovative treatment technologies on a conventional and design-build basis (e.g., in situ and ex situ physical-chemical, thermal, and biological treatment), as well as removal and containment methods for remediation. Mr. Forbes has also played an instrumental role in extending and improving the New York State Brownfield Cleanup Program (BCP) through voluntary consulting efforts with congressional and senate leaders, as well as the New York State Department of Environmental Conservation (NYSDEC). He has also assisted numerous manufacturing and pharmaceutical clients through the development of strategies, plans, and permit applications necessary to secure and maintain state and federal environmental regulatory compliance.

REPRESENTATIVE PROJECTS

- Project manager for remedial investigation, alternatives analysis, and remedial construction to facilitate redevelopment of over 450-acres of former Bethlehem Steel Corp manufacturing site property encompassing 33 separate Brownfield Cleanup Program (BCP) sites in Lackawanna, New York. Contaminants of concern primarily include petroleum organics, solvents, PCBs, and heavy metals. Currently managing remediation of over 500 acres of additional property under an NYSDEC RCRA Corrective Action Program.
- Expert witness to legal defense team for a former electronic parts manufacturer under suit by Orange County Water District, Fullerton, California for primary drinking water aquifer contamination by chlorinated solvents and emergent organic contaminants. Served as technical consultant during mediation and settlement discussions; prepared expert report and lead technical arguments on behalf of defendant to support claim dismissal.
- Project manager for remediation of spill area soils associated with the Lehigh Valley Railroad Derailment National Priority List (NPL) Site in LeRoy, New York. Developed and implemented a USEPA-approved comprehensive remedial design to address chlorinated solvents in site soils via in situ soil vapor extraction.
- Assisted confidential client's legal counsel negotiate a consent decree with New Mexico Environment Department related to cleanup of chlorinated solvent releases to overburden and the fractured bedrock aquifer from a former manufacturing operation in Albuquerque, NM. Presently assisting in management of in situ groundwater cleanup and monitoring work.

- Project Officer for BCP remediation and civil engineering design on a former industrial property to facilitate construction of a 290,000 SF manufacturing building which currently produces a consumer cleaning product for Proctor & Gamble.
- Serve as primary environmental consultant and environmental regulatory compliance manager for a Fortune 500 pharmaceutical manufacturing company in Western New York.
- Assisted in development of an in situ PFAS stabilization pilot test and Remedial Design Work Plan for a western New York Brownfield Cleanup Program Site impacted by suspected firefighting foam practice operations.
- Successfully designed and implemented groundwater pump and treat systems incorporating advanced oxidation processes to remove organic solvents and emerging contaminants at a former municipal landfill and at a former superfund site in central New York.
- Supervised monitoring and remedial measures during redevelopment of the Riverbend Site in Buffalo, New York for a new solar panel and battery system manufacturing operation. Developed a technologically enhanced naturally occurring radioactive material (TENORM) reuse work plan and variance application, which was the first ever employed in New York State. The plan was accepted by New York State, saving tens of millions in disposal costs.
- Served as Project Officer for NYSDEC Brownfield Cleanup Program (BCP) investigation and remediation of 441 Ohio Street, a former freight house located along the Buffalo River. Remedial activities included bank reshaping, hotspot soil/fill removal, and cover system placement to allow redevelopment as a residential apartment building.
- Serving as Project Officer for remedial investigation and cleanup activities at 1176 South Park Avenue, an NYSDEC BCP Site and the location of a former large-scale petroleum storage facility located on the Buffalo River.
- Served as Project Officer for NYSDEC Brownfield Cleanup Program (BCP) investigation and remediation of the former Millard Fillmore Gates Circle hospital complex in Buffalo, New York.
- Project officer for NYSDEC BCP investigation and cleanup of 154 South Ogden Street in concert with construction of the South Buffalo Charter School.
- Project manager for RI/FS, remedial design, and remedial construction at the Sycamore Village Site, a 4-acre New York State Environmental Restoration Program (ERP) site in Buffalo, New York. Responsible for all technical and administrative aspects of the project, involving removal of over 18,000 cubic yards of soil from an impacted residential neighborhood and site restoration.
- Served as project manager and supervising contractor for design-build remedial activities at the Markhams National Priority List (NPL) site in Dayton, NY. Successfully implemented remedial measures leading to USEPA-designated Preliminary Site Closeout status in October 2008 and delisting in 2009.
- Served as project manager representing multiple potential responsible party (PRP)-led remedial construction activities to address heavy metal and chlorinated solvent impacts at the Peter Cooper Landfill NPL site. Responsible for oversight and coordination of RI/FS planning and implementation activities, lead technical contact with USEPA, and remedial measures design and construction. Achieved site closeout in 2011.
- Assisted in the development of a voluntary cleanup plan for remediation of a 120-acre former steel manufacturing site in Buffalo, New York which was contaminated with volatile organic compounds, heavy metals, poly-nuclear aromatic hydrocarbons. Specific assistance involved design of a groundwater remediation system to address VOC and SVOC source area impacts proximate to a residential neighborhood and development and implementation of a Community Air Monitoring Plan involving quantitative monitoring (Summa Canister and respirable particulate analysis) and qualitative monitoring (field instruments).
- Served as Project Manager for RI/FS and cleanup activities related to solvent releases from a former paint and specialty coatings manufacturing facility in Buffalo, New York. The work, carried out under NY State Superfund program, included in situ treatment of soils and groundwater impacted by chlorinated and non-chlorinated volatile organics and heavy metals.
- Currently serving as Project Manager for New York State Voluntary Cleanup efforts for chlorinated solvent cleanup at a former degreasing and electroplating facility in Rochester, NY. Designed and implemented interim remedial measures involving low-profile air stripping and in situ hydrogen infusion.
- Served as Project Manager for multiple EPA Pilot-Grant funded investigations for City of Buffalo Department of Strategic Planning.
- Managed design-build cleanup of former New 7th Street Brownfield Cleanup Program Site in Buffalo, New York. The project involved design-build removal of several hundred tons of petroleum-impacted soil and fill material and preparation of related engineering reports resulting in Certificate of Completion issuance.

- Led remedial efforts for petroleum releases at a Western New York refinery and major oil storage facility, achieving site inactivation within 3 months of the release.
- Managed spill site investigation and cleanup work including underground storage tank removal work at numerous petroleum and chemical spill sites in Western New York.
- Led design-build construction of a 5 MGD capacity cooling water pH adjustment system for PVS Chemical Corporation. The project included design of feed forward pH control system, adjustment tank and mixer construction, process, and chemical feed piping modifications to neutralize sulfuric acid discharges. Successfully implemented startup and demonstration testing.
- Designed a 75 gpm groundwater treatment system and served as quality assurance officer for remedial efforts at the Steelfields site (former LTV Steel/Hanna Furnace Site), Buffalo, New York. The treatment system removes petroleum-based volatile organic and semi-volatile organic compounds prior to discharge to the Buffalo Sewer Authority.
- Assisted the City of Buffalo Department of Community Development in implementing an emergency PCB-contaminated soil removal effort from a residential neighborhood in Buffalo, New York. Responsibilities included coordination of hazmat excavation contractor and secure landfill, preparation of an emergency excavation and confirmatory sampling plan, and oversight of community air monitoring during the removal work.
- Performed a Feasibility Study and prepared an Engineering Design Report for remediation of PCB-contaminated soils and sediments at the Columbus McKinnon Corporation, Tonawanda, New York. Responsibilities included detailed evaluation of several remedial processes, completion of design calculations and remedial cost estimates, and preparation of a final report for submission to NYSDEC.
- Assisted in performance of a Feasibility Study for the West Valley Nuclear Demonstration Site. The Feasibility Study evaluated alternatives for remediation of groundwater contaminated with radioactive isotopes from a former containment area release.
- Assisted in the design and performed start-up of a groundwater remediation system for Moog, Inc., an aerospace parts manufacturer. The project, performed on a design-build basis, involved preparation of design plans, securing contractor bids for construction, and start-up of the remediation system, which incorporates filtration and air stripping to remove chlorinated volatile organic contaminants from groundwater.
- Designed and implemented groundwater monitoring well decommissioning procedures for the Love Canal site, Niagara Falls, New York. The project was performed on behalf of NYSDEC and included abandoning monitoring wells no longer used in the Love Canal landfill or in adjoining neighborhoods.
- Prepared an environmental monitoring plan for remediation of PCB-contaminated sediments in the St. Lawrence River along the General Motors, Inc. Powertrain Division facility in Massena, New York.
- Assisted in the performance of a Feasibility Study for remediation of volatile organic, PCB and heavy metal-contaminated soils and ground water at the Rochester Fire Academy, Rochester, New York.

PUBLICATIONS/PRESENTATIONS

Forbes, Thomas H. and Frappa, Richard H. "Innovative Remedial Measures for the Mercury Aircraft Site" Proceedings of the Purdue University 50th Annual Industrial Waste Conference, May 1995.

Frappa, Richard H., Forbes, Thomas H. and McManus, Anne Marie "A Blast to Remediate" Industrial Wastewater, July/August 1996.

Forbes, Thomas H. and McManus, Anne Marie "Advanced Oxidation Technology and Application" Proceedings of the University at Buffalo 28th Mid-Atlantic Industrial and Hazardous Waste Conference, July 1996.

Forbes, Thomas H. et al - "Pay to Throw in Buffalo" Proceedings of 1997 Solid Waste Association of North America annual conference.

Forbes, T.H. & Werthman, P.H. "Development of Site-Specific Cleanup Levels for Commercial Redevelopment of a Large Former Steel Works," presented at the Brownfields 2000 Conference, Atlantic City NJ, October 2000.

Forbes, Thomas H. and Frappa, Richard H. "Innovative Remedial Measures Almost 10 Years Later at the Former Mercury Aircraft Site" Proceedings of the National Groundwater Association Northeast Conference, October 2002.

Forbes, Thomas H. "Ins and Outs of the New York State Brownfield Cleanup Program" Air & Waste Management Association, Niagara Frontier Section, Annual Environmental Seminar (presentation), April 2006.

Forbes, Thomas H. "Brownfield Redevelopment" Proceedings of Half Moon Seminar's "New York Environmental Compliance for Design Professionals" conference, September 2008.

Forbes, Thomas H. "New York State Brownfield Cleanup Program Update" Air & Waste Management Association Annual Environmental Seminar (presentation), April 2009.

APPENDIX B

Previous Investigations

Phase I Environmental Site Assessment

River Road and Main Street Metzger Properties

February 18, 2021

Prepared for:
Niagara County Department of Economic Development
Vantage Center, Suite 1
6311 Industrial Corporate Drive
Sanborn, New York 14132

Prepared by:
C&S Companies
141 Elm Street
Buffalo, NY 14203

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EXECUTIVE SUMMARY

At the request of the Niagara County Department of Economic Development, C&S Engineers, Inc. (C&S) has completed this Phase I Environmental Site Assessment report of the River Road & Main Street Metzger Properties located in North Tonawanda, New York

The Subject Property consists of four parcels with multiple addresses located within the City of North Tonawanda, New York that total 3.16 acres. The Tax Map ID Nos., corresponding addresses, and owners are individually listed in Table 2-1 below. The Subject Property is bounded by River Road to the west, Thompson Street to the north, and Main Street to the east. To the south, the Site is adjacent to three commercial buildings including two automotive garages and a neon lighting and sign store.

The property has two permanent structures onsite: one single-story warehouse building on the 235 River Road parcel and one repair garage on the 190 Main Street parcel. The warehouse building is currently used as an old equipment and salt storage building. The repair garage is still actively used for maintenance of owner trucks and equipment. The remaining land area on the Site consists primarily of an over grown gravel parking lot and driveway areas with some weathered asphalt areas to the south end of the parcel. The parcels are primarily used as a large equipment storage area for Metzger Removal, Inc. Large truck parking areas were noted along the northern, eastern, and southern side of the Site, with additional equipment storage along the exterior of both buildings and on the southern side of the Site.

The approximate location of the Subject Property is depicted on a 7.5 Minute USGS Topographic Quadrangle as well as on an aerial photograph, which are provided in the **Figures** section of this report.

The observations made during C&S' December, 17, 2020 and December 28, 2020 Subject Property reconnaissance are included in latter sections of this report. The remainder of this report includes information collected from various federal, state and local agencies and reasonably ascertainable historical records such as tax records, aerial photographs, and topographic maps.

Based on the results of this Phase I ESA, the following findings and opinions are provided:

<u>Findings:</u>

- An Environmental Lien and Activity Use Limitation (AUL) Search was completed by Environmental Data Resources on December 10, 2020 for each of the four Subject Property parcels. The search did not find any recorded liens nor AULs on any of the Subject Property parcels.

- The Subject Property consists of four parcels with multiple addresses located within the City of North Tonawanda, New York that total 3.16 acres. The Subject Property is bounded by River Road to the west, Thompson Street to the north, and Main Street to the east. To the south, the Site is adjacent to three commercial buildings including two automotive garages and a neon lighting and sign store.

- The property has two permanent structures, which include one single-story warehouse building on the 235 River Road parcel and one repair garage on the 190 Main Street parcel. The warehouse building is currently used as an old equipment and salt storage building. The repair garage is still actively used for maintenance of owner trucks and equipment. The parcels are primarily used as a large equipment storage area for Metzger Removal, Inc.

- The Subject Property and the surrounding area have been associated with industrial activities since at least 1886. Various lumberyards and cabinetry and housing material manufacturing including painting and woodworking have been noted on the Subject Property for approximately 100 years. Rail lines likely for the transport of lumber and other goods were noted running through the property until at least the early 1990s. Automotive shops associated with detail and repair were present on the Subject Property starting in 1986

- In 1991, the current owner, Gary Metzger (Metzger Removal, Inc.), purchased the land and uses switched to support construction and transportation services. The site has been used as an exterior storage facility for Metzger's equipment, indoor salt storage, and large vehicle repair.

- Surrounding properties have also been associated with industrial uses related to the lumber industry as far back as 1886. Planing mills and lumber processing facilities have been noted to the south and east of the Subject property throughout the 1900s. Automotive repair uses and other light commercial activities have also been noted on the parcels adjacently south to the Subject Property starting in the 1990s.

- During the site reconnaissance, multiple petroleum containers (ASTs and drums) were observed on the Subject Property. Multiple empty storage containers and tanks, apparently for scrap, were found on the south side of the warehouse building and north and east sides of the repair garage. A dirt trench has been dug, apparently for drainage, around the south side of the warehouse building leading to an onsite stormwater drop inlet.

- Multiple 55-gallon drums were located within the warehouse building. Most were empty and used as supports to place equipment on, but a few reportedly contained waste oil. The repair garage contained two tanks of waste oil (575 and 275 gallons) which were used to heat the garage through a used oil burner. Evidence of staining was observed in the repair garage building, including around

both used oil tanks, likely from the filling of the tanks. The previous spills appeared to be contained by the concrete floor of the garage, but floor integrity was not able to be fully assessed because of the tanks' location.

- The database results indicate that various spills have occurred surrounding the Subject Property; however, these spills do not appear to be indicative of a REC because of their location, amount spilled, and/or immediate cleanup response. Database records do not indicate a Vapor Encroachment Condition on the Subject Property.

- The past uses of the Subject Property have been primarily industrial associated with the lumber industry, rail activities, and vehicular and automotive maintenance for over 100 years.

Opinion:

- The past uses of the Subject Property have been primarily industrial associated with the lumber industry, rail activities, and vehicular and automotive maintenance for over 100 years. These historical uses have been deemed a **REC**.

- Based on the presence of former rail lines and a multitude of structures noted on the Subject Property over the last century, it is possible that Historic Fill Material has been generated through demolition activities on the Subject Property or has been brought to the site for the purposes of regrading. This material is also considered a **REC**.

- The use of the repair garage as an automotive service garage and evident spills shown on the building floor are considered **RECs**.

- The exterior presence of petroleum containers (ASTs) with fueling completed on the adjacent gravel drive is considered a **REC**.

This Phase I ESA has revealed no evidence of Historical RECs nor Controlled RECs at the Subject Property.

1.0 INTRODUCTION

1.1. Purpose

The purpose of this Phase I Environmental Site Assessment (ESA) is to evaluate whether current or historical activities on or adjacent to the Subject Property may have resulted in contamination of the Subject Property by hazardous materials and/or petroleum products. The potential for release of contamination is subsequently referred to in this report as a Recognized Environmental Condition (REC). Specific elements of the Phase I ESA include the identification of:

- Possible environmental contaminants
- The proximity of sensitive receptors
- Past and present uses on or adjacent to the Subject Property that may be a REC
- Hazardous material and waste storage or disposal practices

The work conducted in the process of this Phase I ESA was completed consistent with the applicable guidelines developed in the American Society of Testing Materials (ASTM) Standard E 1527-13. The performance of this Phase I ESA will help establish the innocent landowner defense through the identification of potential environmental issues which may affect future development of the Subject Property. Specifically, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability: that is, the practice that constitutes "all appropriate inquiry into previous ownership and uses of the property consistent with good commercial or customary practice as defined at 42 U.S.C. 9601(35) (B)."

It is C&S' understanding that Niagara County Department of Economic Development (NCDED) requires a Phase I ESA for the Subject Property for the purpose of environmental due diligence and satisfying a prospective lender with respect to property acquisition.

ASTM E1527-13 defines three types of RECs as follows:

Recognized Environmental Condition:
The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat to the environment.

Controlled Recognized Environmental Condition:
A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required

controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Historical Recognized Environmental Condition:
A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

De Minimus Condition:
A *de minimus* condition is defined as 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 government agencies. A Business Environmental Risk is a risk that can have a material environmental or environmentally driven impact on the business associated with the current or planned future use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice.

1.2. Scope of Services

The scope of services for this Phase I Environmental Site Assessment included the following tasks:

- Review of the current and past uses of the Subject Property;
- Review of environmental studies/data readily available for the Subject Property;
- Subject Property inspection;
- Review of state and federal databases;
- Evaluation of the potential environmental impact of adjacent properties on the Subject Property; and
- Interview with state / local agencies and Subject Property owner and / or manager, as available.

The scope of services for the Phase I ESA was described in C&S' agreement with Niagara County Department of Economic Development signed and dated December 3, 2020.

1.3. Non-Scope Items

Consistent with ASTM E 1527-13, the following items are beyond the scope of Phase I Environmental Site Assessments:

- Asbestos Containing Materials
- Industrial Hygiene
- Health and Safety
- Ecological Resources
- Endangered Species
- Indoor Air Quality (unrelated to releases of hazardous substances or petroleum products into the environment)
- Biological Agents
- Mold
- Radon
- Lead-Based Paint
- Lead in Drinking Water
- Wetlands
- Regulatory Compliance
- Cultural and Historical Resources

The Phase I ESA also does not include sampling or chemical analysis of soils, surface water, or groundwater or an intensive examination of facility hazards (compliance audit).

1.4. User Reliance

This report was prepared by C&S expressly and exclusively for use by Niagara County Department of Economic Development and its successors and/or assigns, as well as Mr. Gary Metzger of Metzger Removal, Inc. These entities can use and rely upon the information contained in this report, findings, and conclusions. No one is authorized to rely on this report for any purpose, except to the extent that such reliance is specifically authorized in writing by C&S. Any person who intends to take action, which is in any way related to or affected by the information contained herein, should independently verify all such information.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1. Location, Use, and Description

The Subject Property consists of four parcels with multiple addresses located within the City of North Tonawanda, New York that total 3.16 acres. The Tax Map ID Nos., corresponding addresses, and owners are individually listed in Table 2-1 below. The Subject Property is bounded by River Road to the west, Thompson Street to the north, and Main Street to the east. To the south, the Site is adjacent to three commercial buildings including two automotive garages and a neon lighting and sign store.

The property has two permanent structures onsite, which includes one single-story warehouse building on the 235 River Road parcel and one repair garage on the 190 Main Street parcel. The warehouse building is currently used as an old equipment and salt storage building. The repair garage is still actively used for maintenance of owner trucks and equipment. The remaining land area on the Site consists primarily of an over grown gravel parking lot and driveway areas with some weathered asphalt areas to the south end of the parcel. The parcels are primarily used as a large equipment storage area for Metzger Removal, Inc. Large truck parking areas were noted along the northern, eastern, and southern side of the Site, with additional equipment storage along the exterior of both buildings and on the southern side of the Site. Further information concerning existing Subject Property conditions is summarized in Section 8.

The approximate location of the Subject Property is depicted on a 7.5 Minute USGS Topographic Quadrangle as well as on an aerial photograph, which are provided in the **Figures** section of this report.

Table 2-1
Subject Property Parcels

Tax ID No.	Address	Size (acres)	Structures / Improvements	Owner
185.05-1-75	235 River Road	1.39	One single story warehouse used for storage of salt and equipment parts.	Metzger, Frank J.
185.05-1-73	175 River Road	0.05	Gravel/asphalt parking lot.	Metzger, Frank J.
185.05-1-81.11	173 River Road	0.86	Gravel/asphalt parking lot.	Metzger, Frank J.
185.05-1-77.1	190 Main Street	0.86	One single story repair garage building.	Metzger Removal, Inc.

2.2. Description of Subject Property Improvements and Utilities

A description of the Subject Property site improvements and features are summarized in the following tables:

Table 2-2
Subject Property Structures

Building	Size (ft^2)	Stories	Constructed	Current Use
Warehouse	4800	One	1978	Salt storage, equipment/part storage
Repair garage	5600	One	1960	Maintenance garage. Two Repair bays.

* – The information obtained for the completion of this table was obtained from County tax records and Site Reconnaissance observations.

Table 2-3
Structure Features

Building	Heat Source	AC Source	Construction
Warehouse	None	None	Steel construction, metal roof and siding
Repair garage	Used Oil Burner fed by two Used Oil Tanks	None	Block construction, metal roof

* – The information obtained for the completion of this table was obtained from Site Reconnaissance observations.

The following utilities are available in the vicinity of the Subject Property:

- Electric: National Grid
- Natural Gas: National Fuel
- Sanitary Sewer: City of North Tonawanda Water Wastewater Department
- Potable Water: City of North Tonawanda Water Wastewater Department

2.3. Current Uses of Adjoining Properties

The Subject Property is located in a urban setting. At the time of the Subject Property reconnaissance, the lands which adjoin the Subject Property were viewed from the property line and roadways. The following table provides a summary of land uses and features observed.

Table 2-4
Adjacent Land Use

Direction	Land Use
North	Commercial: one automotive garage and one restaurant.
South	Commercial: two automotive garages and one neon lighting and sign store.
East	Commercial: marina and boat storage. Industrial: machinery shop and grinding manufacturer.
West	Industrial: vacant warehouses

3.0 PHYSICAL SETTING

The following informational resources were used to help identify the physical setting of the Subject Property.

- United States Geologic Survey (USGS) Quadrangle as located within a private collection retained by C&S Engineers, Inc.
- Surficial Geologic Map, Niagara Sheet, compiled by Ernest H. Muller and Donald Caldwell, New York State Museum – Geological Survey dated 1986.
- Geologic Map of New York State, Niagara Sheet, compiled by L.V. Richard and Donald W. Fisher, New York State Museum and Science Service, 1970.
- Natural Resource Conservation Service (NRCS) / US Department of Agriculture (USDA) Web Soil Survey, http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx.

A Physical Setting Source Addendum was provided by Environmental Data Resources (EDR). The addendum includes detailed information regarding topographic, hydrologic, and geologic conditions for the Subject Property and surrounding areas, as well as information on soil, groundwater, and radon. Geologic mapping and documentation from C&S' private library were also reviewed as necessary. The purpose of reviewing physical setting information is to assess the potential for the migration of contaminants from sites of concern. Observations regarding the physical setting are discussed below.

3.1. Physical Setting Description

3.1.1. Physical Setting – Description

The Subject Property contains two onsite structures, one warehouse building located on the 235 River Road Parcel and one repair garage located on the 190 Main Street parcel. The remainder of the property is empty vacant land that is used for large equipment storage. Most of the site appears to have been graded with gravel that has been slightly overgrown. The southern exterior of the site contains old asphalt paving. The middle of the site showed ponding at the time of the Subject Property Reconnaissance. A dirt drainage trench has been dug along the southern side of the warehouse building and runs to an onsite stormwater drop inlet.

Information shown on the representative USGS 7.5 Minute Quadrangle indicates that generally, the topography of the Subject Property is relatively flat with a general slope moving east to west. Observations during the Subject Property Reconnaissance revealed that the elevation of Main Street is approximately four to five feet higher than River Road. Most of this elevation change is lost on a short, steeper slope on the east side of the Subject

Property and flat land persisting across the rest of the Subject Property. The middle of the Subject Property is at an approximate elevation of 571 feet above mean sea level.

3.1.2. General Geologic Setting

According to the Physical Setting Source Addendum provided by EDR and the USDA Web Soil Survey, soils at the site are unsurveyed and no description on soil type and bedrock has been given.

3.1.3. General Hydrogeologic Setting

The Subject Property is located less than 0.1 miles east of the Niagara River. Based on the interpretation of the USGS Topographic Map, groundwater in the area is assumed to move generally to the west/northwest towards the Niagara River. Groundwater flow specific to the Subject property is unknown and may be different from the regional flow. Potential influences include local drainage features, seasonal groundwater level fluctuations, subsurface geology, surface topography, and / or other local site features.

4.0 USER PROVIDED INFORMATION

In accordance with the ASTM E1527-13, a "User" is defined as the party seeking to complete an environmental site assessment of the Subject Property. If the user is aware of any specialized knowledge or experience that is material to RECs in connection with the Subject Property, it is the user's responsibility to communicate any information based on such specialized knowledge or experience to the environmental professional.

Appendix B includes the Phase I ESA Client / User Questionnaire completed by Gary Metzger, of Metzger Removal, Inc., on December 14, 2020. The Client / User Questionnaire includes questions relative to environmental liens and use limitations, specialized knowledge, valuation reduction for environmental issues, etc. The responses indicated one items of significance or REC: Mr. Metzger mentioned that a railroad line once ran through the property when the Subject Property was purchased in 1991.

5.0 HISTORICAL USE ASSESSMENT

5.1. Historical Use Information on Subject Property and Adjoining Properties

Historical information was used to develop a history of the previous uses of the Subject Property and surrounding area. Typical sources utilized to understand historical land use of a property include topographic maps, aerial photographs, fire insurance maps, building department records, property tax files, city directories, and historical reports. These sources are used to help identify the possibility of past land uses contributing to RECs with respect to a property.

These historical sources satisfy the standard for CERCLA's most "reasonably ascertainable" information available. ASTM Standards define "reasonably ascertainable" as information that is publicly available, obtainable within reasonable time and cost limits, and practically reviewable.

This assessment used the following informational resources to help identify past and present site uses upon and surrounding the Subject Property.

Table 5-1
Historical Information Summary

Section	Historical Source	Source/Comments
5.2	Fire Insurance Maps	Environmental Data Resources
5.3	Topographic Maps	Environmental Data Resources
5.4	Aerial Photographs	Environmental Data Resources
5.5	City Directories	Environmental Data Resources
5.6	Recorded Land Title Records	Environmental Data Resources
5.7	Historical Environmental Reports	North American Environmental Services Corp.

These sources were used to help identify the possibility of past land uses contributing to RECs in regard to the current Subject Property. These historical sources satisfy the standard for CERCLA's most "reasonably ascertainable" information available. ASTM Standards define "reasonably ascertainable" as information that is publicly available, obtainable within reasonable time and cost limits, and practically reviewable.

5.2. Historical Fire Insurance Mapping

A search for fire insurance mapping of the Subject Property and its surrounding area was conducted. The table below summarizes the information shown on these maps and provides interpretations when appropriate (**Appendix A**).

Table 5-2
Fire Insurance Map Review

YEAR	OBSERVATIONS
1886	The SP and the surrounding area appear to be dedicated to industrial activities related to lumber processing and milling. The SP is noted be primarily be used as a lumber yard for multiple corporations. A rail line runs north to south through the middle of the SP and additional lines exist on the southern half of the SP. A lumber shed owned by Hollister Bros. is located in the southeast corner of the SP. Two planing mills are located adjacent to the SP with one to the south and one to the east across Main Street. The American Boiler Works is also located across Main Street to the east. Docks and water access are noted to the north and west.
1889	The SP and surrounding area have not changed drastically. The ownership of the northern portion of the SP seems to have changed to Amdodge Co., but uses appear not to have changed. The lumber shed in the southeast corner appears to have increased in size. The planing mill to the south has increased in size.
1893	The SP is generally the same; however an unmapped portion of the site is now shown on the northwest side. The American Boiler Works building to the east no longer exists and has been replaced with a coal bin or coal storage area.
1910	The SP uses are still shown to be a lumber yard and lumber shed. A wagon shed is shown on the east side of the SP. Lumber processing operations to the east and south have continued to expand with additional development. A new planing mill is now shown to the southwest, adjacent to the SP. The Durd Lithe Co. is shown to the east across Main Street where the former coal storage area once was. Residential uses are shown to the southeast.
1951	The SP and the surrounding area continue to support the lumber industry, with new development occurring on the SP. A lumber warehouse, woodworking building, painting booth, and sash and door storage building are now shown along the west side of the property. The former lumber shed on the northeast corner of the SP has been removed and been replaced with a smaller commercial office building. Adjacent residential and light commercial properties have begun to develop north east across Thompson Street. The planing mill adjacently east of the SP is now shown as a lumberyard. A cement block factory is shown adjacently southeast across Main Street. A planing mill has been developed just south of the SP. Another lumber yard and other light commercial uses are now shown to the south as well.
1967	The SP is now shown with additional buildings. River Road is now shown on the west side of the SP. The rail lines are still shown running through the SP. The current building used as a repair garage has been constructed and is labeled a lumber warehouse. Benman Manufacturing Co. is now labeled on the west side of the property and appears to produce various wood furniture and cabinetry pieces. Finishing and spray booths are noted. A lumber shed, lumber storage, and an additional woodworking building are now constructed and labeled as Meyer's Lumber Co., Inc.

	Surrounding property uses to the north, east, and south have not changed. Across River Road to the west, Tonawanda Electric Steel Casting Corp. is shown and is noted as having an earth floor.

SP = Subject Property

5.3. Historical Topographic Mapping

The table below summarizes the information shown on these topographic maps and provides interpretations when appropriate (**Appendix A)**.

Table 5-3
Topographic Map Review

YEAR	OBSERVATIONS
1897	The SP and surrounding area are shown with substantial development focusing around the adjacent waterways. The SP is shown to have multiple rail lines running through and surrounding it.
1899	The SP and the surrounding areas have not changed noticeably from the previous map.
1900	The SP appears to now have a few structures onsite and the surrounding areas have not changed noticeably.
1913	The SP and the surrounding areas have not changed noticeably.
1948	The SP and surrounding area now show less rail lines and roads have been constructed in the area. The SP now shows two different structures on the west side of the property.
1950	The SP and the surrounding area have not changed noticeably from the previous map.
1954	The SP and the surrounding area have not changed noticeably from the previous map.
1965	The SP no longer shows buildings along the west side of the parcels. Less buildings are shown throughout the surrounding area. River Road is now depicted adjacently west to the SP. The rail line through the middle of the SP is still shown.
1980	The SP and surrounding area are unmapped.
2013	Only roadways are shown on this map. The SP is shown in its present state. No rail lines are shown on this map.

SP = Subject Property

5.4. Historical Aerial Photography

The table below summarizes the information shown on these aerial photographs and provides interpretations when appropriate (**Appendix A**). It should be noted that the scale of the photography can make identification and interpretation of fine details difficult. Therefore, the interpretations that follow are primarily relative to observable gross characteristics and features.

Table 5-4
Historical Aerial Photograph Review

YEAR	OBSERVATIONS
1938	The image is slightly unclear. The SP shows multiple structures and possible other objects across the property. The SP and surrounding area look to be primarily industrial uses.
1951	The SP shows multiple structures and apparent storage piles of unknown material (potentially lumber). Additional potential storage piles are noted to the west and north with apparent road access the waterfront. The south and east show development.
1959	The image is unclear. The SP and surrounding areas seem relatively unchanged. River Road is now shown to the west of the SP and structures can be seen further west towards the river.
1962	The SP and surrounding area seem relatively unchanged compared to the last image. The present repair garage structure can be seen on the SP. It is unclear whether or not the rail line running through the site is still present.
1966	The image is unclear. The SP and surrounding area seem relatively unchanged compared to the last image.
1978	The SP now shows both present day buildings onsite. Additional structures are shown through the middle of the SP.
1981	The SP and surrounding area appear relatively unchanged from the previous map. It is unclear, but a rail line looks to be running north to south through the middle of the SP.
1985	The SP and surrounding area appear relatively unchanged from the previous map.
1995	The structures noted in the middle of the SP appear to be demolished. Only the two present structures appear visible.
2006	The SP and the surrounding area appear to be in their present state. Exterior storage seems evident around the existing structures.
2009	The SP and surrounding area appear relatively unchanged from the previous map.
2013	The SP and surrounding area appear relatively unchanged from the 2006 map.
2017	The SP and surrounding area appear relatively unchanged from the 2006 map.

SP = Subject Property

5.5. City Directory Search

City directories (**Appendix A**) are a screening tool to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. A summary of significant entries is provided below.

Table 5-5
City Directory Summary

Year	Property Address	Bearing / Distance / Location	Occupant
1964 – 1985	187 Main Street	East, across Main Street	Hubman Cement Burial Vault Co Inc.
1964 - 1976	190 Main Street	SP	Benman Co. Cabinet Maker & Twin City Ceramic Supplies
1967 - 1981	200 River Road	West, across River Road	Tonawanda Electric Steel Casting Corp.
1967 - 1976	197 Main Street	Adjacently south of SP	ESCO Lumber Inc.
1981	197 Main Street	Adjacently south of SP	Pallet Producers, Inc.
1985	197 Main Street	Adjacently south of SP	Pallet Producers, Inc. & IGT Co Industrial Cutting Tools
1985 - 1989	200 River Road	West, across River Road	Spier Machinery Co.
1985	190 Main Street	SP	Benman Collision, Benman Co. Cabinet Maker, & Precision Auto Detail Spray & Repair
1989	190 Main Street	SP	Vacant
1992	200 River Road	West, across River Road	American Design & Manufacturing Inc, East Coast Machinery Sales Inc, Hunter Gear, IGT Co, Tools, Pinto Machine, & Spier Machinery Corp.
1992 - 2017	235 River Road	SP	Metzger Removal, Inc.

SP = Subject Property

5.6. Recorded Land Title Records

A chain of title / title abstract was requested from the current owner. As of the date of this report, a chain of title / title abstract was not provided.

An Environmental Lien and Activity Use Limitation (AUL) Search was completed by Environmental Data Resources on December 10, 2020 for each of the four Subject Property parcels. The search did not find any recorded liens nor AULs on any of the Subject Property parcels. The Environmental Lien and Activity Use Limitation (AUL) Search can be found in **Appendix A**.

5.7. Other Historical Sources

As part of the review of historical information associated with the Subject Property, C&S reviewed one historical report pertaining to the Subject Property. Pertinent information obtained from those reports is summarized below.

Phase I Environmental Audit for 235 River Road, North Tonawanda, NY 14120, August 26, 1991 completed by: North American Environmental Services Corp.

The historical Phase I Audit was provided to C&S by the current owner, Gary Metzger. The Phase I Audit completed on the Subject Property in 1991 was done to satisfy a lender at the time of the sale of the Subject Property to its current owner. C&S has reviewed the Phase I Audit and has determined that no additional information other than what has already been presented in this report to be of note. The Phase I Audit did not identify any RECs nor reveal additional information that raises concern for environmental impacts.

Copies of the historical information are provided in **Appendix D.**

5.8. Historical Use Summary

The Subject Property and the surrounding area have been associated with industrial activities since at least 1886. The Subject Property and the surrounding area uses supported lumber processing activities from at least 1886 well through the mid to late 1900s. Rail lines, likely for the transport of lumber and other goods, were noted running through the property until at least the early 1990s. Automotive shops associated with detail and repair were present on the Subject Property starting in 1986 and have persisted in some form until present day. Various lumberyards have been noted on the subject property starting in 1886 and were consistent through at least 1976. Supporting cabinetry and housing material manufacturing including painting and woodworking were present on the Subject Property from the early to mid-1900s to at least 1976. Most buildings related to the past furniture manufacture and lumber processing were removed from the Subject Property between 1985 and 1989, leaving only the present standing structures.

In 1991, the current owner, Gary Metzger (Metzger Removal, Inc.), purchased the land and uses switched to support construction and transportation services. The site has been used as an exterior storage facility for Metzger's equipment, indoor salt storage, and large vehicle repair.

Surrounding properties have also been associated with industrial uses related to the lumber industry as far back as 1886. Planing mills and lumber processing facilities have been noted to the south and east of the Subject property throughout the 1900s. Automotive repair uses and other light commercial activities have also been noted on the parcels adjacently south to the Subject Property starting in the 1990s. To the west of the Subject Property, a Steel Casting Facility with an earth floor has been noted from 1967 to 1981.

The past uses of the Subject Property have been primarily industrial associated with the lumber industry, rail activities, and vehicular and automotive maintenance for over 100 years. It is possible that these uses have resulted in releases on the Subject Property and therefore these historical uses have been deemed a **REC**.

Additionally, based on the presence of former rail lines and a multitude of structures noted on the Subject Property over the last century, it is possible that Historic Fill Material has been generated through demolition activities on the Subject Property or has been brought to the site for the purposes of regrading. Because Historic Fill Materials often contain elevated concentrations of contaminants, this material is also considered an **REC**.

6.0 RECORDS REVIEW

6.1. Standard Environmental Record Sources

C&S reviewed the regulatory status of the Subject Property using a summary report of federal, state, and local environmental databases prepared by Environmental Data Resources, Inc. (EDR). The database report includes up-to-date information from federal, state, and local agencies. Records compiled are consistent with standards outlined in ASTM E1527-13 for records that are:

- Within the approximate minimum search distance
- Reasonably ascertainable and are from standard sources
- Provide records under reasonable time and cost constraints

A copy of the database search report is provided in **Appendix A**. The comprehensive list of the reviewed federal, state, and local regulatory databases is included in the report.

C&S reviewed the attached database search report to assess which properties or conditions, if any, might result in creating an REC with respect to the Subject Property. Properties that are located within the search distances and were deemed to be significant are described in the subsections below.

The following table lists those databases that produced results that were identified as the most critical to evaluating potential onsite and off-site conditions.

Table 6-1
Environmental Database Review

Database	Search Distance (miles)	Subject Property Listings	Sites Within Radius
LTANKS	0.5	0	15
HIST LTANKS	0.5	0	0
NY SPILLS	0.125	0	19
NY Brownfields	0.5	0	3
US Brownfields	0.5	0	25
UST	0.25	0	5
RCRA	0.25	1	20
AST	0.25	1	1
CBS	0.25	0	2
CERCLIS NFRAP	0.5	0	3
NY SHWS	1.0	0	4
NY HSWDS	0.5	0	1
NPL	1.0	0	0

6.1.1. Subject Property Listings

The Subject Property was listed in the following databases:

Table 6-2
Subject Property Listings

Site Name	Database Site No.	Database(s)	Description	REC?
Benman Co	1	RCRA NONGEN FINDS ECHO	1980 registration as large quantity generator of unknown materials. Site noted as wood television, radio, sewing machine and cabinet manufacturer.	No, no indication of regulatory non-compliance or a release.
Metzger Removal Inc.	6	AST	Five total ASTs registered on the property. One 500-gallon and one 1000-gallon diesel tank both installed in 2005. Two used oil tanks; 275 and 575 gallons installed in 2015. One 275-gallon motor oil tank installed in 2015.	No, the tanks are relatively new and have been noted as not showing signs of leaks during the Subject Property Reconnaissance.
Lipmann Portable Impact PLT #1MP5165LS	8	Abandoned Mines	The site was known to be the storage location for stone and may have included onsite stone crushing activities. No below grade excavation related to mining activities was done on the property.	No, there is no evidence nor documentation of releases on the site.

6.1.2. Adjoining Property Listings

The following adjoining site(s) are notable with respect to the Subject Property.

Table 6-3
Adjoining Property Listings

Site Name	Database Site No.	Direction	Database(s)	Description	REC?
National Grid	12	W	NY SPILLS	Equipment failure caused small spill in 2019. National Grid placed impacted soils into dedicated dumpster for disposal.	No. Remediated by contractor, site located downgradient, spill closed by DEC.
Fast Lane Service	9	NW	NY SPILLS	Deliberate dumping of waste oil into storm sewer in 1987. Sheen noted on the Niagara River.	No. The site is downgradient and releases were conveyed away from the SP via storm sewer.
211 Main Street	10 & 11	E	BROWNFIELDS US BROWNFIELDS	The site has been entered into the NYSDEC Brownfield Cleanup Program in 2017. The site appears to be impacted by contaminants related to the placement of urban fill on the property including metals and SVOCs. Groundwater at the site does not appear to be impacted.	No. Contamination noted onsite appears to be immobile and remain in onsite soils.
Central Transport	15	W	NY SPILLS	30 gallons of gasoline spilled due to equipment failure. Absorbent materials disposed of. No further action noted by DEC.	No. The spill was cleaned immediately and properly disposed. Downgradient from SP.
American Design & Manufactu ring Inc.	16	W	NY SPILLS	Five gallons of petroleum were released and a sheen was noted in the Niagara River.	No. Spill evidently traveled west away from the SP towards the Niagara River.
American Design & Manufactu ring Inc.	17	W	MANIFEST FINDS ECHO RCRA NONGEN	Manifest details show the disposal 165 gallons of halogenated solvents.	No. No release was reported on the adjacent property. The site is located down gradient and across River Rd from the SP.

SP = Subject Property

6.1.3. Proximate Property Listings

The following sites are mapped at distances or elevations that are notable with respect to the Subject Property. However, these sites are not anticipated to have negatively impacted the environmental integrity of the Subject Property based on various factors such as distance, relative elevation, groundwater flow, or regulatory status.

Table 6-4
Proximate Property Listings

Site Name	Database(s)	Distance / Elevation Relative to the SP
Fast Lane Station	NY SPILLS	0.030 mi / Higher
Jack Hambleton Station	EDR Historic Auto	0.030 mi /Higher
Progressive Motors	RCRA Nongen FINDS ECHO MANIFESTS	0.032 mi / Higher
Sterling Machinery Truck	NY SPILLS	0.040 mi / Higher
Multiple Pole	NY SPILLS	0.042 mi / Higher
D-223	NY SPILLS	0.055 mi / Lower
Smith Boys Inc / Smith Boys Marina	UST NY SPILLS MANIFEST	0.055 mi / Lower

6.1.4. Unmapped Sites

C&S also reviewed the Orphan List at the rear of the database report. An “Orphan Site” is a record that has insufficient information to be mapped by the GIS system. The review of the Orphan Sit List of 10 sites consisted of a comparison of the identified “Orphan” address to roadway mapping of the area surrounding the Subject Property. Based on that evaluation, none of the identified "Orphans" appear to pose a risk to the Subject Property.

6.2. Vapor Encroachment Screening

The database report included several site listings in proximity to the Subject Property. However, as detailed above, these sites are not believed to pose a concern due to the nature of the spill (product spilled, volume, remedial response), distance from the Subject Property, topography, and / or regulatory status.

6.3. State and Local Regulatory Environmental Records

A Freedom of Information Law (FOIL) request was sent electronically to NYSDEC Region 9 on December 2, 2020. On December 18, 2020, the Department responded indicating that they maintain files related to the Subject Property. The files consisted of the most recent Petroleum Bulk Storage (PBS) Registration, Construction and Demolition Debris Processing

Facility Annual Reports (2007 to 2011) and Inspection Reports (2010, 2011, and 2013), and an Air State Facility Permit (beginning in 2004).

The PBS registration indicated the presence of eight total registered petroleum tanks on the Subject Property. The Subject Property Reconnaissance only revealed four tanks on the property and the database records indicate five total tanks. The Construction and Demolition Debris Processing Facility Annual Reports reveal that Metzger Removal processed primarily aggregate in the form of asphalt and concrete during 2007.

A Freedom of Information Law (FOIL) request was sent electronically to the Niagara County Department of Health on December 2, 2020. On December 21, 2020, the Department responded indicating that they do not maintain files related to the Subject Property.

FOIL Information has been included in **Appendix D**.

6.4. Records Review Summary

The records review has further confirmed that the site and surrounding areas have been primarily used for industrial purposes. Database results indicate that various spills have occurred surrounding the Subject Property; however, these spills do not appear to be indicative of a REC because of their location, amount spilled, and/or immediate cleanup response. Database records do not indicate a Vapor Encroachment Condition on the Subject Property. Database and FOIL records have confirmed that the site has been most recently used as a supporting property for aggregate processing done by the current owner, Metzger Removal, Inc. The Subject Property has been primarily an equipment yard and auto repair shop to support Metzger Removal's large aggregate operation located further north down River Road in North Tonawanda.

Petroleum bulk storage has also been noted on the property. Based on the PBS registration and attached inspection reports, a total of eight tanks were located on the property: Two registered exterior diesel tanks, located on the west side of the warehouse building, two unregistered used oil tanks (heating oil) located in the repair garage, and four unregistered motor oil tanks located in the repair garage. The motor oil tanks were not found within the repair garage during the Subject Property Reconnaissance, and are assumed to have been removed by Metzger Removal, Inc.

The Records Review has not illuminated any additional RECs. The review has further confirmed the past uses of the Subject Property have been primarily industrial associated with the lumber industry, rail activities, and vehicular and automotive maintenance for over 100 years. These uses have been deemed a **REC** in Section 5.8.

7.0 INTERVIEWS

The objective of conducting interviews is to obtain information indicating RECs in connection with the Subject Property. During the course of the Phase I ESA, C&S conducted interviews with the following persons:

Table 7-1
Interview Log

Name	Affiliation	Date
Gary Metzger	Owner/User	12/14/20
Paul Chimel	Key Site Manager	12/17/20
Gary Metzger (Metzger Removal)	Occupant	12/14/20
NYSDEC	NYSDEC Region 9 FOIL Department	12/18/20
Department of Health	Niagara County Department of Health	12/21/20

Summaries of these interviews are provided below:

7.1.1. Interview with Owner / User

In accordance with the ASTM E1527-13, a "User" is defined as the party seeking to complete an environmental site assessment of the Subject Property. If the user is aware of any specialized knowledge or experience that is material to RECs in connection with the Subject Property, it is the user's responsibility to communicate any information based on such specialized knowledge or experience to the environmental professional.

Appendix B includes the Phase I ESA Client / User Questionnaire completed by Gary Metzger, of Metzger Removal, Inc., on December 14, 2020. The Client / User Questionnaire includes questions relative to environmental liens and use limitations, specialized knowledge, valuation reduction for environmental issues, etc. The responses indicates the following items of significance or REC:

- The owner/user has mentioned that a railroad line once ran through the property when the Subject Property was purchased in 1991.
- A subsequent phone interview with Gary Metzger on December 14, 2020 indicated that there have been no reportable spills on the subject property to his knowledge.

7.1.2. Interview with Key Site Manager

Paul Chimel is the Site Manager at the Subject Property and manages the day-to-day affairs at the Subject Property. Mr. Chimel accompanied C&S during the Subject Property

reconnaissance and provided detailed information regarding the Subject Property. C&S also inquired about his knowledge of environmental matters at the Subject Property. Paul Chimel indicated that he is not aware of any environmental concerns at the Subject Property.

7.1.3. Interview with Occupant

Metzger Removal, Inc. occupies the entirety of the Subject Property. Interviews with the Owner and Key Site Manager are discussed above.

7.1.4. Interviews with State and Local Government Officials

Freedom of Information Law (FOIL) requests were sent to the NYSDEC and Niagara County Department of Health as indicated in Section 6.3. The FOIL process did not reveal any additional RECs.

7.1.5. Interview Conclusion

Information obtained from the individuals interviewed did not indicate that any additional RECs exist with respect to the Subject Property other than what has already been noted in Section 5.8 and 6.4.

8.0 SUBJECT PROPERTY RECONNAISSANCE

8.1. Methodology and Limiting Conditions

Alex Brennen, representing C&S, performed a reconnaissance of the Subject Property on December 17, 2020 and again on December 28, 2020 and recorded his observations. Alex Brennen was accompanied by Paul Chimel of Metzger Removal, Inc. during the walkover. Photographs of the Subject Property are provided in **Appendix C**.

The objective of the Subject Property walkover was to identify physical and/or visual evidence indicative of an obviously recognizable environmental condition, such as:

- Soil discoloration
- Stained surfaces
- Stressed and / or dead vegetation
- Spills, leaks, leachate, and / or discolored surface waters
- Evidence of previous fire damage
- Evidence of waste disposal
- Barrels, drums, or other containers
- Areas of subsidence or fill

In addition, there are a variety of physical and visual signs that may potentially indicate the presence of an obviously recognizable subsurface condition, such as:

- Vent pipes or fill ports associated with underground storage tanks (UST)
- Aboveground storage tanks (AST)
- Pipelines
- Electrical transformers and abandoned pads
- Rail yards
- Well casings or riser pipes associated with groundwater monitoring wells
- Landfills or dumps
- Surface impoundments or lagoons

8.2. Subject Property Reconnaissance Observations

Consistent with ASTM E 1527-13 the items listed in the following table were documented during the course of the reconnaissance. This include visual verification of the feature of evidence of (e.g. fill ports for a UST). Affirmative responses (designated by an "X") are discussed in detail following the table.

Table 8-1
Subject Property Reconnaissance Observations

Category	Item or Feature	Observed?
Hazardous Substance or Petroleum Product Containers	Aboveground Storage Tanks	X
	Underground Storage Tanks	
	Bulk Containers (drums / totes)	X
	Non-Bulk Containers	X
	Hydraulic Equipment	X
	Suspect PCB-Containing Equipment	
	Pipeline	
Olfactory / Visual Evidence of Releases	Odors	
	Pools of Liquid	
	Stains or Corrosion	X
	Stained Soil or Pavement	
	Stressed Vegetation	
Water, Wastewater, and Waste Management	Drains or Sumps	X
	Pits, Ponds, Lagoons	
	Solid Waste	
	Wastewater Sources	
	Septic Systems or Dry Wells	
	Wells	
Other	Fill Materials	X
	Construction / Demolition Debris	

8.3. Subject Property Reconnaissance Summary

The Subject Property consists of four parcels bounded by River Road to the west, Thompson Street to the north, and Main Street to the east. To the south, the Site is adjacent to three commercial buildings including two automotive garages and a neon lighting and sign store.

The property has two permanent structures onsite, which includes one single-story warehouse building on the 235 River Road parcel and one Repair Garage on the 190 Main Street parcel. The warehouse building is currently used as an old equipment and salt storage building. The repair garage is still actively used for maintenance of owner trucks and equipment. The remaining land area on the Site consists primarily of an over grown gravel parking lot and driveway areas with some weathered asphalt areas to the south end of the parcel. The parcels are primarily used as a large equipment storage area for Metzger Removal, Inc. Large truck parking areas were noted along the northern, eastern, and southern side of the Site, with additional equipment storage along the exterior of both buildings and on the southern side of the Site.

Onsite topography and drainage appear to run from east to west with ponding occurring in the middle of the Subject Property. To attempt to drain this area, a dirt trench has been dug around the south side of the warehouse building leading to an onsite stormwater drop inlet.

8.3.1. Exterior Observations

The following bullets provide additional detail regarding the significant items noted during the Subject Property reconnaissance:

- Two tanks, tank numbers 1 & 2, containing diesel fuel were noted on the west side of the warehouse building on the 235 River Road Parcel. The tanks are registered under a Petroleum Bulk Storage Permit and have adequate secondary containment. The tanks are exposed to weather and the secondary containment appeared to contain rainwater. The tanks are used for fueling of fleet vehicles. Fueling is completed using attached dispensers on the adjacent gravel drive. Due to the poor quality of soils and gravel surrounding the tanks, evidence of staining was difficult to determine, but no obvious nor recent spills seemed evident.
- Multiple pieces of large equipment related to aggregate processing and dump trucks were found on the property.
- A dirt trench has been dug around the south side of the warehouse building leading to an onsite stormwater drop inlet. The trench appears to have been dug to help with site drainage and convey ponded water away from the middle of the site.
- A 55-gallon drum labeled "Used" was found outside, adjacent to the dirt trench. No staining was noted around the drum and its contents appear to be water.
- Multiple empty storage containers and tanks, apparently for scrap, were found on the south side of the warehouse building and north and east sides of the repair garage.
- The south end of the property appeared to have old asphalt paving while the remainder of the site had gravel paving.
- A few small sand and dirt piles were noted at the southeast corner of the property.
- Old tires and other waste were noted along the exterior of the repair garage.

8.3.2. Interior Observations

The following bullets provide additional detail regarding the significant items noted during the Subject Property reconnaissance:

- The warehouse building was noted as being used to house multiple large equipment parts including old engines, plows, and other mechanical equipment.
- Multiple 55-gallon drums were located within the warehouse building. Most were empty and used as supports to place equipment on, but a few contained waste oil, according to Paul Chimel.
- The north side of the warehouse building was used as a salt storage area. Metzger housed road salt within this building to service their other properties.
- The repair garage was noted to contain an abundance of containers, including lube oils, hydraulic oils, gasoline, waste oil, degreasing fluids, and some solvents.

- The repair garage contained two tanks of waste oil (575 and 275 gallons) which were used to heat the garage through a used oil burner.
- Evidence of staining was found around both used oil tanks, likely from the filling of the tanks. The previous spills appeared to be contained by the concrete floor of the garage, but floor integrity was not able to be fully assessed because of the tanks' location.

8.3.3. Subject Property Reconnaissance Conclusion

Based on the reconnaissance of the Subject Property, visual evidence of an REC consisted of:

- The use of the repair garage as an automotive service garage and evident spills shown on the building floor are considered a **REC**.
- The exterior presence of petroleum containers (ASTs) with fueling completed on the adjacent gravel drive is considered a **REC**.

9.0 FINDINGS

C&S Engineers, Inc. completed this Phase I Environmental Site Assessment consistent with the scope and limitations of ASTM E 1527-13. Based on information gathered during the course of this Phase I Environmental Site Assessment of the Subject Property, including a database search report, the site reconnaissance, and interviews documented in this report, the following has been identified:

- An Environmental Lien and Activity Use Limitation (AUL) Search was completed by Environmental Data Resources on December 10, 2020 for each of the four Subject Property parcels. The search did not find any recorded liens nor AULs on any of the Subject Property parcels.

- The Subject Property consists of four parcels with multiple addresses located within the City of North Tonawanda, New York that total 3.16 acres. The Subject Property is bounded by River Road to the west, Thompson Street to the north, and Main Street to the east. To the south, the Site is adjacent to three commercial buildings including two automotive garages and a neon lighting and sign store.

- The property has two permanent structures, which include one single-story warehouse building on the 235 River Road parcel and one repair garage on the 190 Main Street parcel. The warehouse building is currently used as an old equipment and salt storage building. The repair garage is still actively used for maintenance of owner trucks and equipment. The parcels are primarily used as a large equipment storage area for Metzger Removal, Inc.

- The Subject Property and the surrounding area have been associated with industrial activities since at least 1886. Various lumberyards and cabinetry and housing material manufacturing including painting and woodworking have been noted on the Subject Property for approximately 100 years. Rail lines likely for the transport of lumber and other goods were noted running through the property until at least the early 1990s. Automotive shops associated with detail and repair were present on the Subject Property starting in 1986

- In 1991, the current owner, Gary Metzger (Metzger Removal, Inc.), purchased the land and uses switched to support construction and transportation services. The site has been used as an exterior storage facility for Metzger's equipment, indoor salt storage, and large vehicle repair.

- Surrounding properties have also been associated with industrial uses related to the lumber industry as far back as 1886. Planing mills and lumber processing facilities have been noted to the south and east of the Subject property throughout the 1900s. Automotive repair uses and other light commercial activities have also been noted on the parcels adjacently south to the Subject Property starting in the 1990s.

- During the site reconnaissance, multiple petroleum containers (ASTs and drums) were observed on the Subject Property. Multiple empty storage containers and tanks, apparently for scrap, were found on the south side of the warehouse building and north and east sides of the repair garage. A dirt trench has been dug around the south side of the warehouse building leading to an onsite stormwater drop inlet.

- Multiple 55-gallon drums were located within the warehouse building. Most were empty and used as supports to place equipment on, but a few reportedly contained waste oil. The repair garage contained two tanks of waste oil (575 and 275 gallons) which were used to heat the garage through a used oil burner. Evidence of staining was observed in the repair garage building, including around both used oil tanks, likely from the filling of the tanks. The previous spills appeared to be contained by the concrete floor of the garage, but floor integrity was not able to be fully assessed because of the tanks' location.

- The database results indicate that various spills have occurred surrounding the Subject Property; however, these spills do not appear to be indicative of a REC because of their location, amount spilled, and/or immediate cleanup response. Database records do not indicate a Vapor Encroachment Condition on the Subject Property.

- The past uses of the Subject Property have been primarily industrial associated with the lumber industry, rail activities, and vehicular and automotive maintenance for over 100 years. These uses are deemed a **REC**.

10.0 CONCLUSIONS

C&S Engineers, Inc. completed this Phase I Environmental Site Assessment consistent with the scope and limitations of ASTM E 1527-13 on the Subject Property identified on various figures located at the rear of this report. Any exceptions or deletions from ASTM E 1527-13 are described in Section 1. This Phase I ESA has identified the following RECs:

- The past uses of the Subject Property have been primarily industrial associated with the lumber industry, rail activities, and vehicular and automotive maintenance for over 100 years. These historical uses have been deemed a **REC**.

- Based on the presence of former rail lines and a multitude of structures noted on the Subject Property over the last century, it is possible that Historic Fill Material has been generated through demolition activities on the Subject Property or has been brought to the site for the purposes of regrading. This material is also considered a **REC**.

- The use of the repair garage as an automotive service garage and evident spills shown on the building floor are considered **RECs**.

- The exterior presence of petroleum containers (ASTs) with fueling completed on the adjacent gravel drive is considered a **REC**.

This Phase I ESA has revealed no evidence of Historical RECs nor Controlled RECs at the Subject Property.

11.0 RECOMMENDATIONS

Based on the results of this Phase I ESA, further action is warranted to characterize the RECs identified in this report. These actions could include the collection of surface and/or subsurface soil samples in areas that include:

- Proximal to the exterior ASTs, drums, and empty container storage area
- Within the onsite dirt drainage ditch
- Site-wide to determine the presence or absence of impacted fill materials
- Along the former path of the rail line and in locations of former structures
- In interior locations with heavy petroleum staining
- In areas in which spray booths were historically located

If significant contamination is encountered during the investigative tasks above, groundwater characterization should be implemented, including the installation and sampling of monitoring wells in and around the areas of known impact.

12.0 DATA FAILURE

ASTM 1527-13 defines a data failure as a failure to achieve the historical research objectives of all appropriate inquiry even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Specifically, the historical research objectives include identifying all obvious uses of the Subject Property from the present, back to the Subject Property's first developed use, or back to 1940, whichever is earlier. A data failure was not encountered during this assessment.

13.0 DATA GAPS

A data gap is a lack or inability to obtain information required despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required, including but not limited to Subject Property reconnaissance and interviews. During the course of this Phase I Environmental Site Assessment, no significant data gaps that impaired our ability to formulate opinions were encountered.

14.0 REFERENCES

American Society of Testing Materials (ASTM) E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.*

Surficial Geologic Map, Niagara Sheet, compiled by Ernest H. Muller and Donald Caldwell, New York State Museum – Geological Survey dated 1986.

Geologic Map of New York State, Niagara Sheet, compiled by L.V. Richard and Donald W. Fisher, New York State Museum and Science Service, 1979.

Environmental Data Resources (EDR), Environmental Lien and AUL Search, Database Report, Topographic Maps, Aerial Photographs, and City Directory Report, December 10, 2020

Phase I Environmental Audit for 235 River Road, North Tonawanda, NY 14120, August 26, 1991 completed by: North American Environmental Services Corp.

15.0 LIMITATIONS, EXCEPTIONS, ASSUMPTIONS, AND SPECIAL CONDITIONS

15.1. Limitations and Exceptions

C&S has prepared this Phase I ESA consistent with the contract scope of services, using reasonable efforts to identify areas of potential liability associated with RECs at the Subject Property. The conclusions in this report were based solely on a visual review of the Subject Property and on readily available records, interviews, and other secondary sources as cited within this report. C&S has made no independent investigation of the accuracy of these secondary sources and has assumed them to be accurate and complete. C&S does not warrant the accuracy or completeness of the information provided by the secondary sources. C&S does not warrant that contamination that may exist on the Subject Property has been discovered, that the Subject Property is suitable for any particular purpose, or that the Subject Property is clean or free of liability.

No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but no eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice recognizes reasonable limits of time and cost.

All appropriate inquiries does not mean an exhaustive assessment of a property. There is a point at which the cost of the information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an environmental site assessment and the reduction of uncertainty about unknown conditions resulting from additional information.

15.2. Significant Assumptions

C&S's conclusions are based on conditions that existed on the Subject Property on December 17, 2020 and December 28, 2020. Past and present conditions that could not be observed were established on the basis of documents. C&S cannot attest to the completeness of accuracy of these materials. The report speaks only as of the date issued. C&S has no responsibility for updating the information herein, and therefore, it should not be assumed that any information contained herein in this Phase I Environmental Site Assessment continues to be accurate subsequent to 180 days from the date of the issuance of this document.

Except where specifically stated to the contrary, the information contained herein was provided to C&S by others and has not been verified independently or otherwise examined to determine its accuracy, completeness, or feasibility. In addition, C&S may have had to rely upon the assumptions, especially as to future conditions and events. Accordingly, neither C&S nor any person acting on its behalf (a) makes any warranty or representation, whether

expressed or implied, concerning the usefulness of the information contained in this report, or (b) assumes liabilities with respect to the use of or for damages resulting from the use of any information contained in this Environmental Site Assessment report. Further, C&S cannot promise that any assumed conditions will come to pass.

It would be expensive, and perhaps not possible, to conduct an investigation that would ensure the detection of environmental impacts at the Subject Property, which now are, or in the future might be, considered hazardous. This investigation does not guarantee that C&S discovered all the environmental impacts at the Subject Property. Similarly, a property which, in fact, is unaffected by environmental impacts at the time of the assessment may later, due to natural phenomena or other intervention, become contaminated.

Except where stated to be the contrary, this Environmental Site Assessment has been prepared solely on the basis of readily available visual observation. Except where stated to be the contrary, no demolition or removal by C&S has been accomplished to reveal hidden conditions. No testing such as the testing of materials, equipment, or systems has been performed to verify current conditions or to predict future conditions.

Future regulatory modifications, agency interpretation, or policy changes may affect the compliance status of the property.

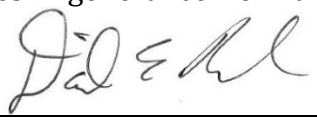
15.3. Special Terms and Conditions

Besides the standard contractual terms between C&S and Niagara County Department of Economic Development, this Phase I Environmental Site Assessment was conducted, in our opinion, with no impeding special terms and conditions that would alter the scope and / or effectiveness of ASTM E 1527-13.

16.0 SIGNATURES AND QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the Subject Property. To the best of our knowledge and belief, C&S Engineers Inc. has developed and performed all appropriate inquiries in general conformance with the standards and practices set forth in 40 CFR Part 312.



Daniel E. Riker, PG
Department Manager – Environmental Services

Alex Brennen
Environmental Engineer

Figures

Legend

- SUBJECT PROPERTY
- PARCEL BOUNDARIES

0 1,000 2,000
Feet

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

N

METZGER PROPERTIES:
RIVER ROAD AND MAIN STREET
PHASE I
ENVIRONMENTAL SITE ASSESSMENT
NORTH TONAWANDA, NY

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	Q47009001
DATE:	12/10/20
DRAWN BY:	E. PHILLIPS
DESIGNED BY:	E. PHILLIPS
CHECKED BY:	D. RIKER

SITE LOCATION

FIGURE 1

Legend

- SUBJECT PROPERTY
- PARCEL BOUNDARIES

0 50 100 200 Feet

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CHECKED BY:	D. RIKER

SITE DETAIL

FIGURE 2

Appendix A

Environmental Database Provider Documents

River Road & Main Street Properties

173, 175, and 235 River Rd and 190 Main St

North Tonawanda, NY 14120

Inquiry Number: 6286995.4

December 02, 2020

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

12/02/20

Site Name:

River Road & Main Street Prop
173, 175, and 235 River Rd an
North Tonawanda, NY 14120
EDR Inquiry # 6286995.4

Client Name:

C & S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, NY 14203
Contact: Alex Brennen

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by C & S Engineers, Inc. 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.# Q47009001

Project: River Rd & Main St Phase I

Coordinates:

Latitude:	43.027322 43° 1' 38" North
Longitude:	-78.879361 -78° 52' 46" West
UTM Zone:	Zone 17 North
UTM X Meters:	672775.96
UTM Y Meters:	4766031.12
Elevation:	571.00' above sea level

Maps Provided:

2013	1900
1980	1899
1965	1897
1954	
1950	
1948	
1913	
1901	

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets

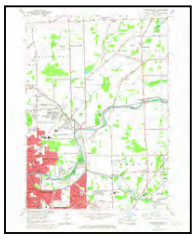
Tonawanda East
2013
7.5-minute, 24000

Tonawanda West
2013
7.5-minute, 24000

1980 Source Sheets

Tonawanda East
1980
7.5-minute, 24000
Aerial Photo Revised 1972

1965 Source Sheets



Tonawanda East
1965
7.5-minute, 24000
Aerial Photo Revised 1942

Tonawanda West
1965
7.5-minute, 24000
Aerial Photo Revised 1942

1954 Source Sheets

Tonawanda West
1954
7.5-minute, 25000
Aerial Photo Revised 1942

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1950 Source Sheets

Tonawanda East
1950
7.5-minute, 24000
Aerial Photo Revised 1942

Tonawanda West
1950
7.5-minute, 24000
Aerial Photo Revised 1942

1948 Source Sheets

Tonawanda West
1948
7.5-minute, 24000
Aerial Photo Revised 1942

1913 Source Sheets

Niagara
1913
30-minute, 125000

1901 Source Sheets

Tonawanda
1901
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1900 Source Sheets

Tonawanda
1900
15-minute, 62500

1899 Source Sheets

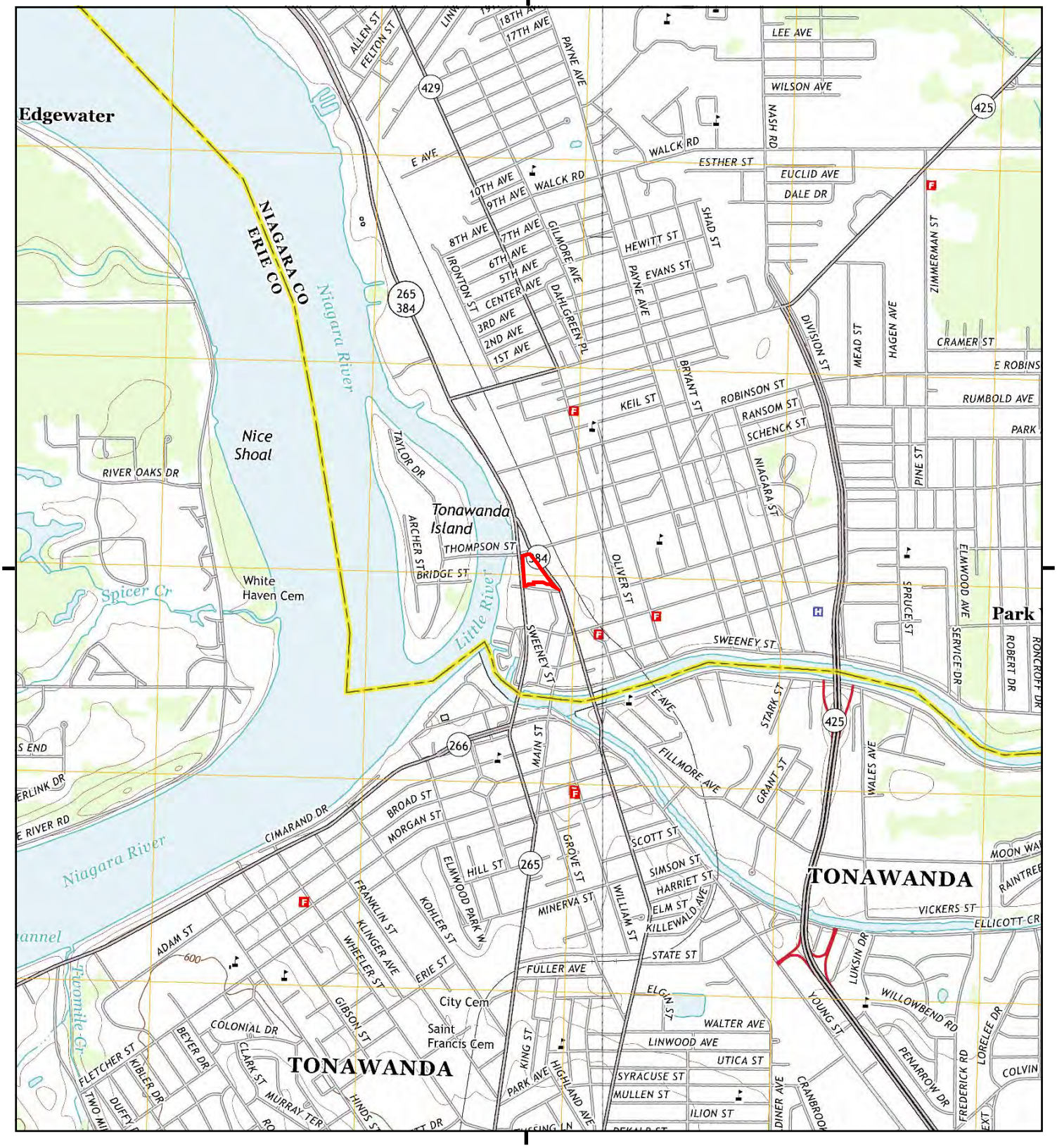
Niagara
1899
30-minute, 125000

1897 Source Sheets

Tonawanda
1897
15-minute, 62500

Historical Topo Map

2013



This report includes information from the following map sheet(s).

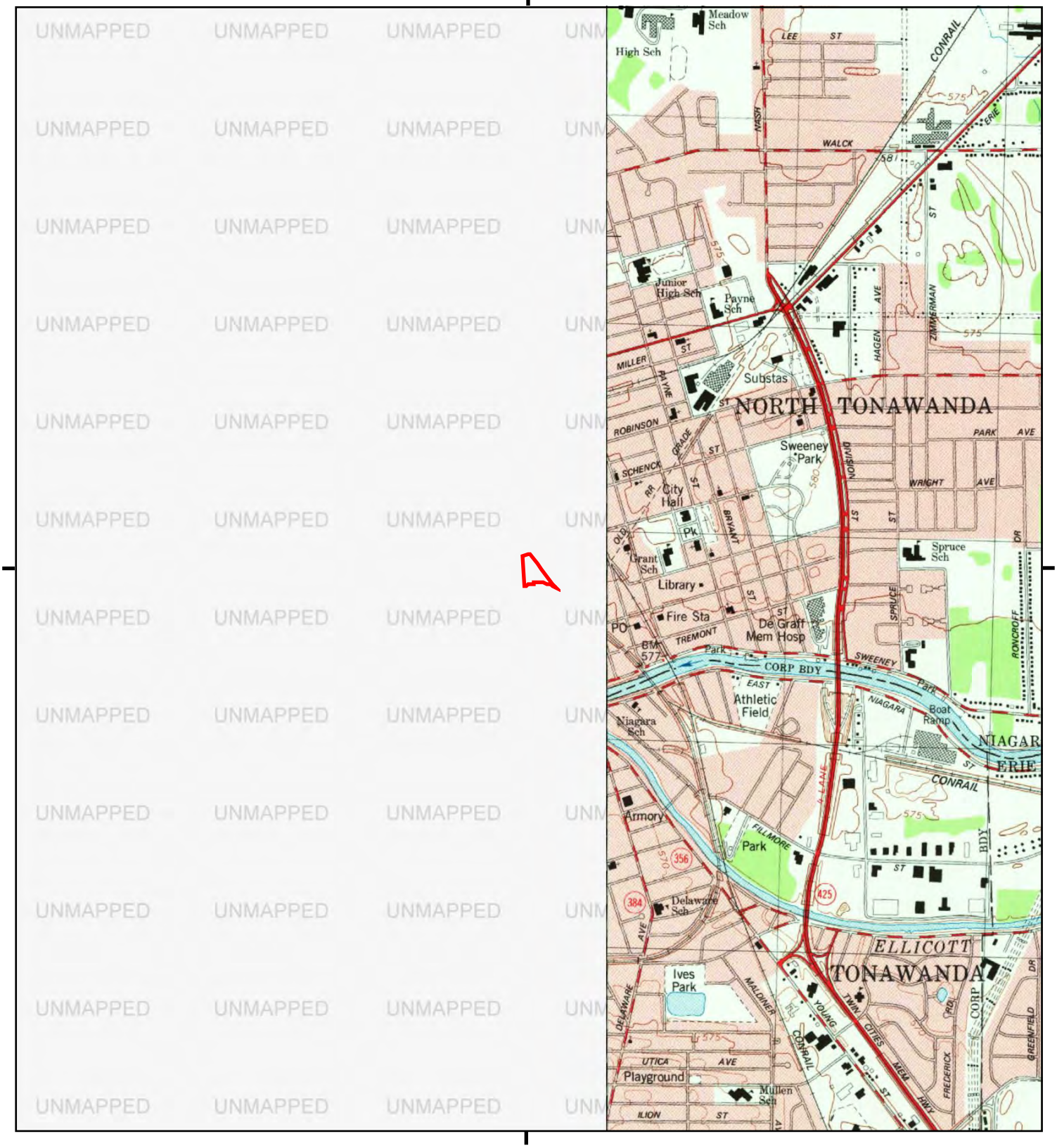
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tonawanda West, 2013, 7.5-minute
NE, Tonawanda East, 2013, 7.5-minute

SITE NAME: River Road & Main Street Properties
ADDRESS: 173, 175, and 235 River Rd and 190 Mair
North Tonawanda, NY 14120
CLIENT: C & S Engineers, Inc.

N



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W E
SW S SE

NE, Tonawanda East, 1980, 7.5-minute

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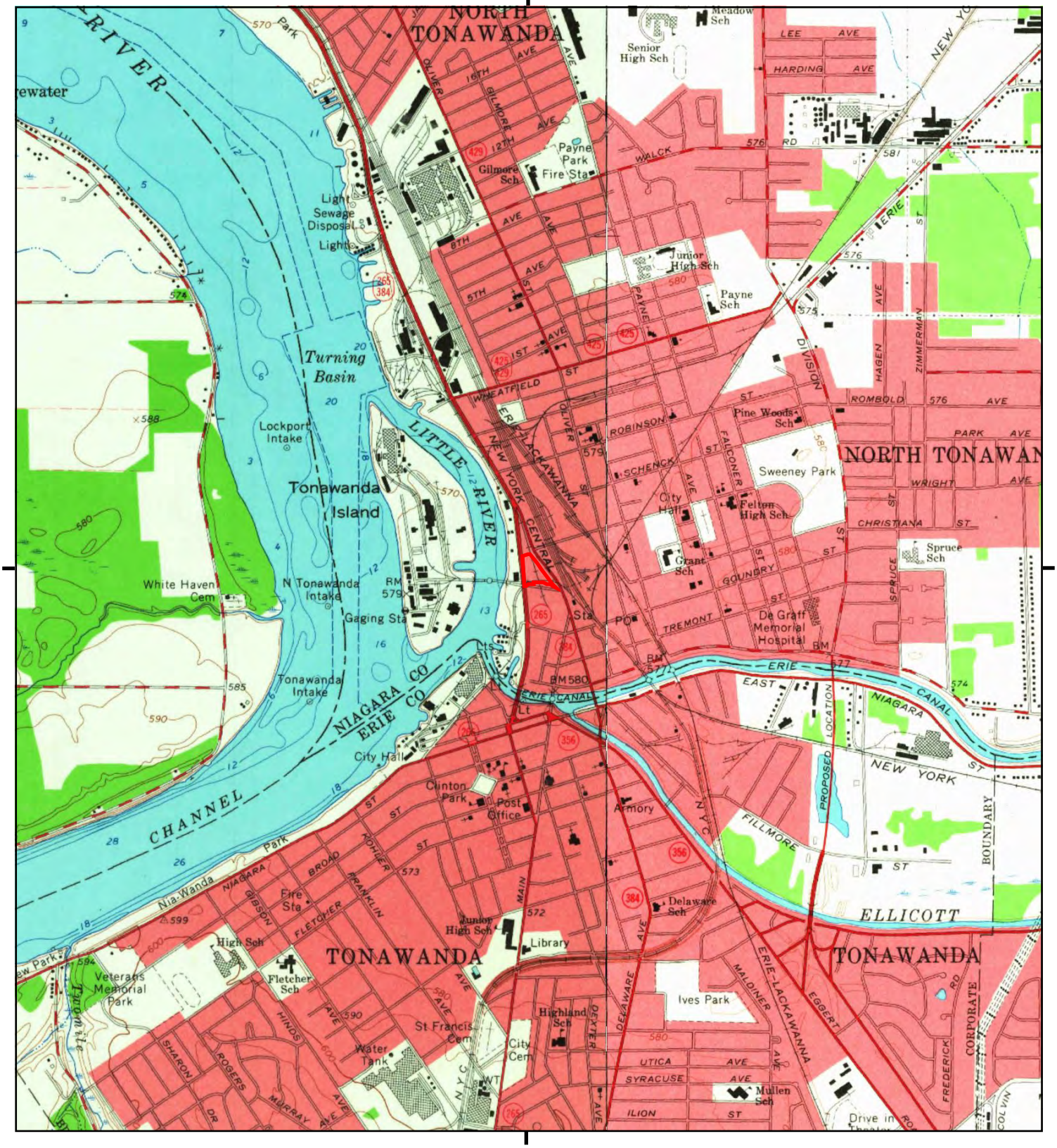
ADDRESS: 173, 175, and 235 River Rd and 190 Mair
North Tonawanda, NY 14120
CLIENT: C & S Engineers, Inc.

N



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W E
SW S SE

TP, Tonawanda West, 1965, 7.5-minute
NE, Tonawanda East, 1965, 7.5-minute

SITE NAME: River Road & Main Street Properties
ADDRESS: 173, 175, and 235 River Rd and 190 Mair
North Tonawanda, NY 14120
CLIENT: C & S Engineers, Inc.

N

This report includes information from the following map sheet(s).

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W E
SW S SE

TP, Tonawanda West, 1954, 7.5-minute

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ADDRESS: 173, 175, and 235 River Rd and 190 Mair
North Tonawanda, NY 14120
CLIENT: C & S Engineers, Inc.

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, Tonawanda West, 1950, 7.5-minute
NE, Tonawanda East, 1950, 7.5-minute

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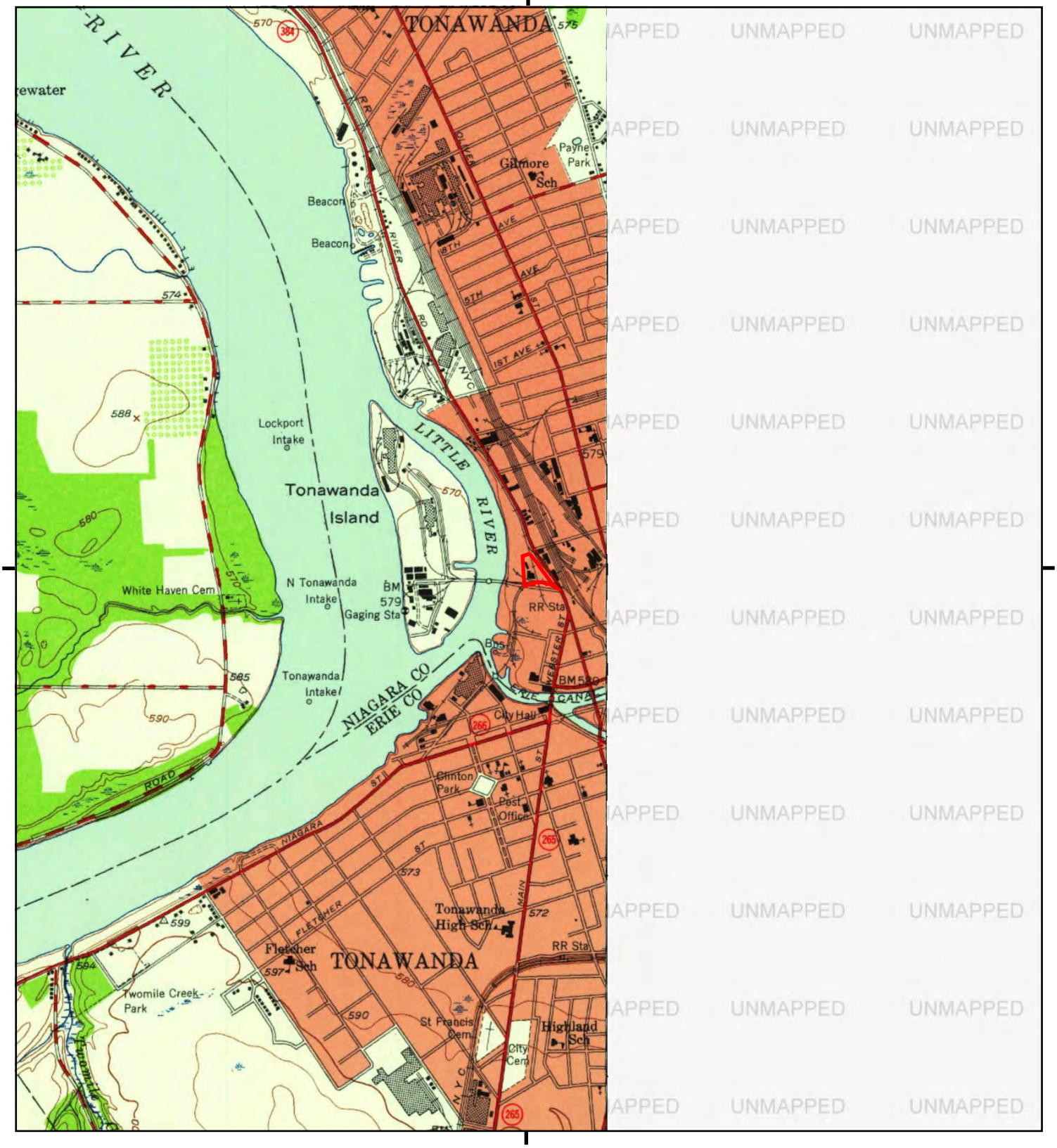
ADDRESS: 173, 175, and 235 River Rd and 190 Mair
North Tonawanda, NY 14120
CLIENT: C & S Engineers, Inc.

N



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W E
SW S SE

TP, Tonawanda West, 1948, 7.5-minute

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ADDRESS: 173, 175, and 235 River Rd and 190 Mair
North Tonawanda, NY 14120
CLIENT: C & S Engineers, Inc.

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, Niagara, 1913, 30-minute

SITE NAME: River Road & Main Street Properties
ADDRESS: 173, 175, and 235 River Rd and 190 Mair
North Tonawanda, NY 14120
CLIENT: C & S Engineers, Inc.

N

This report includes information from the following map sheet(s).

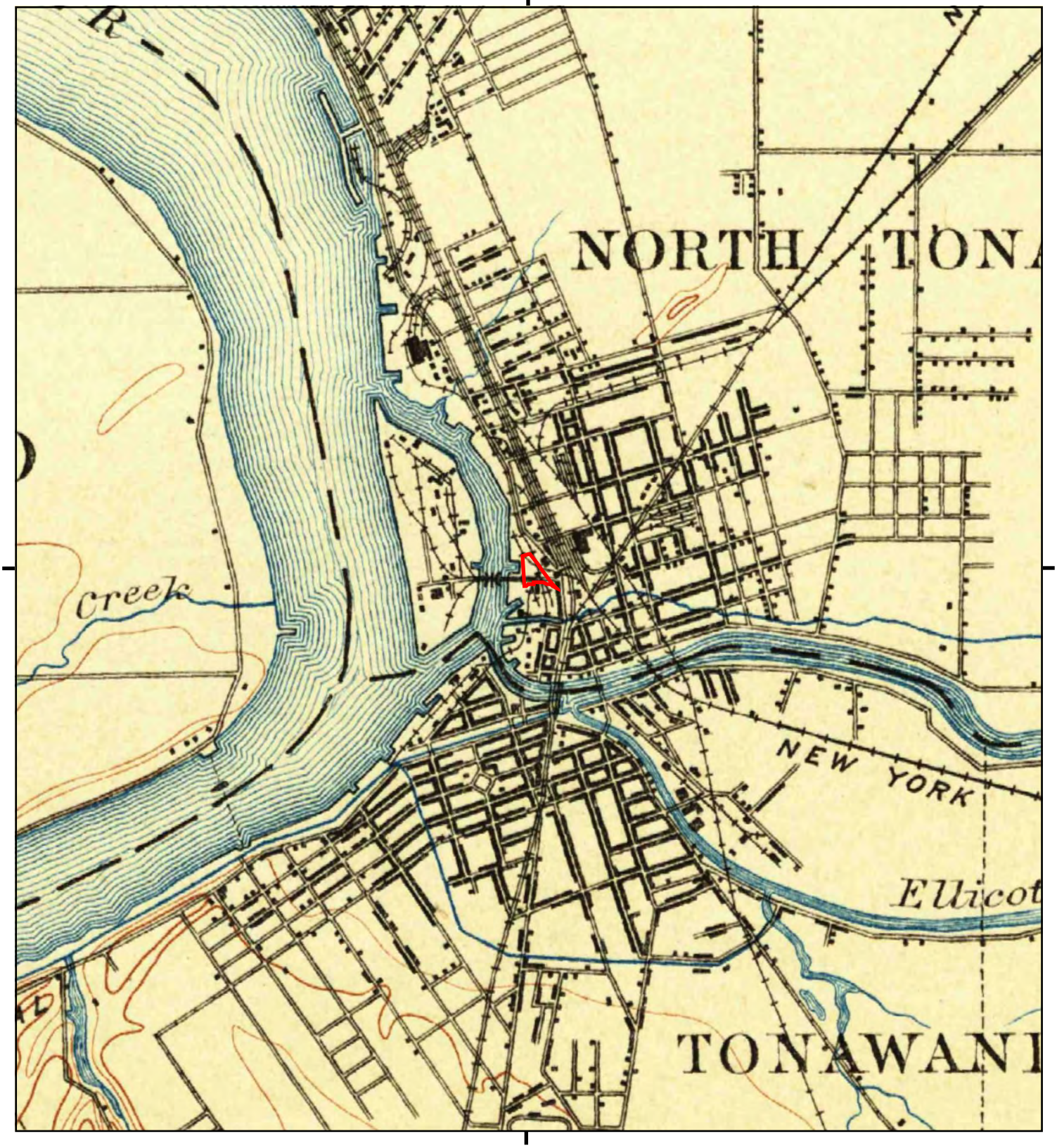
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tonawanda, 1901, 15-minute

SITE NAME: River Road & Main Street Properties
ADDRESS: 173, 175, and 235 River Rd and 190 Mair
North Tonawanda, NY 14120
CLIENT: C & S Engineers, Inc.

N



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W E
SW S SE

TP, Tonawanda, 1900, 15-minute

SITE NAME: River Road & Main Street Properties
ADDRESS: 173, 175, and 235 River Rd and 190 Mair
North Tonawanda, NY 14120
CLIENT: C & S Engineers, Inc.

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, Niagara, 1899, 30-minute

SITE NAME: River Road & Main Street Properties
ADDRESS: 173, 175, and 235 River Rd and 190 Mair
North Tonawanda, NY 14120
CLIENT: C & S Engineers, Inc.

N

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W E
SW S SE

TP, Tonawanda, 1897, 15-minute

SITE NAME: River Road & Main Street Properties
ADDRESS: 173, 175, and 235 River Rd and 190 Mair
North Tonawanda, NY 14120
CLIENT: C & S Engineers, Inc.

N

River Road & Main Street Properties

173, 175, and 235 River Rd and 190 Main St

North Tonawanda, NY 14120

Inquiry Number: 6286995.11

December 03, 2020

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

12/03/20

Site Name:

River Road & Main Street Prop
173, 175, and 235 River Rd an
North Tonawanda, NY 14120
EDR Inquiry # 6286995.11

Client Name:

C & S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, NY 14203
Contact: Alex Brennen

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: March 28, 1995	USGS/DOQQ
1985	1"=500'	Flight Date: April 27, 1985	USDA
1981	1"=500'	Flight Date: August 19, 1981	MCIN
1978	1"=500'	Flight Date: October 31, 1978	USDA
1966	1"=500'	Flight Date: June 12, 1966	USDA
1962	1"=500'	Flight Date: November 26, 1962	USGS
1959	1"=500'	Flight Date: May 08, 1959	USDA
1951	1"=500'	Flight Date: October 04, 1951	USDA
1938	1"=500'	Flight Date: August 03, 1938	USDA

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.


INQUIRY #: 6286995.11
YEAR: 2017
= 500'
N
EDR


INQUIRY #: 6286995.11
YEAR: 2013
= 500'
N
EDR


INQUIRY #: 6286995.11
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 6286995.11
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 6286995.11

YEAR: 1995

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.


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EDR


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YEAR: 1981
= 500'
N
EDR
Subject boundary not shown because it exceeds image extent or image is not georeferenced.


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N
EDR


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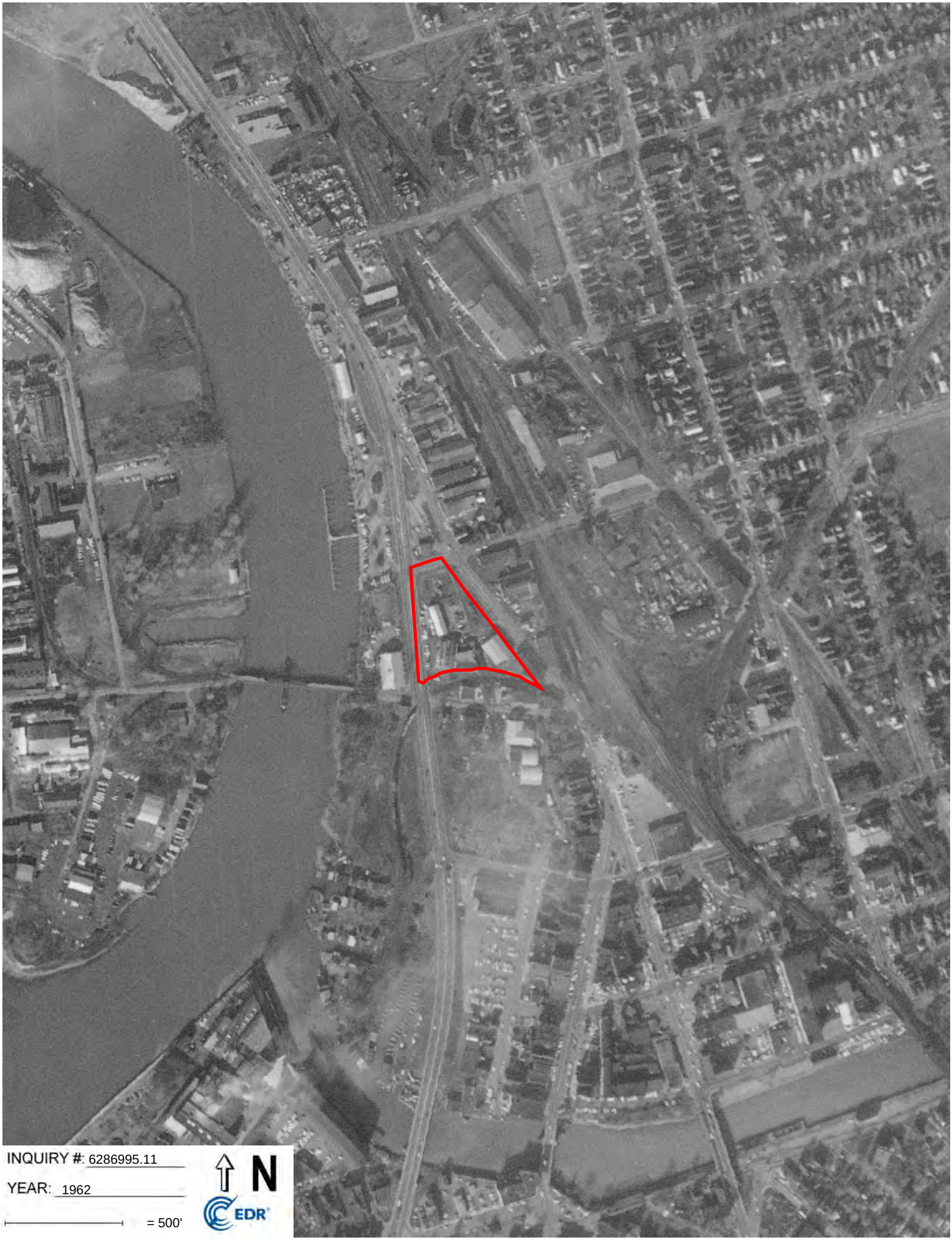
EDR



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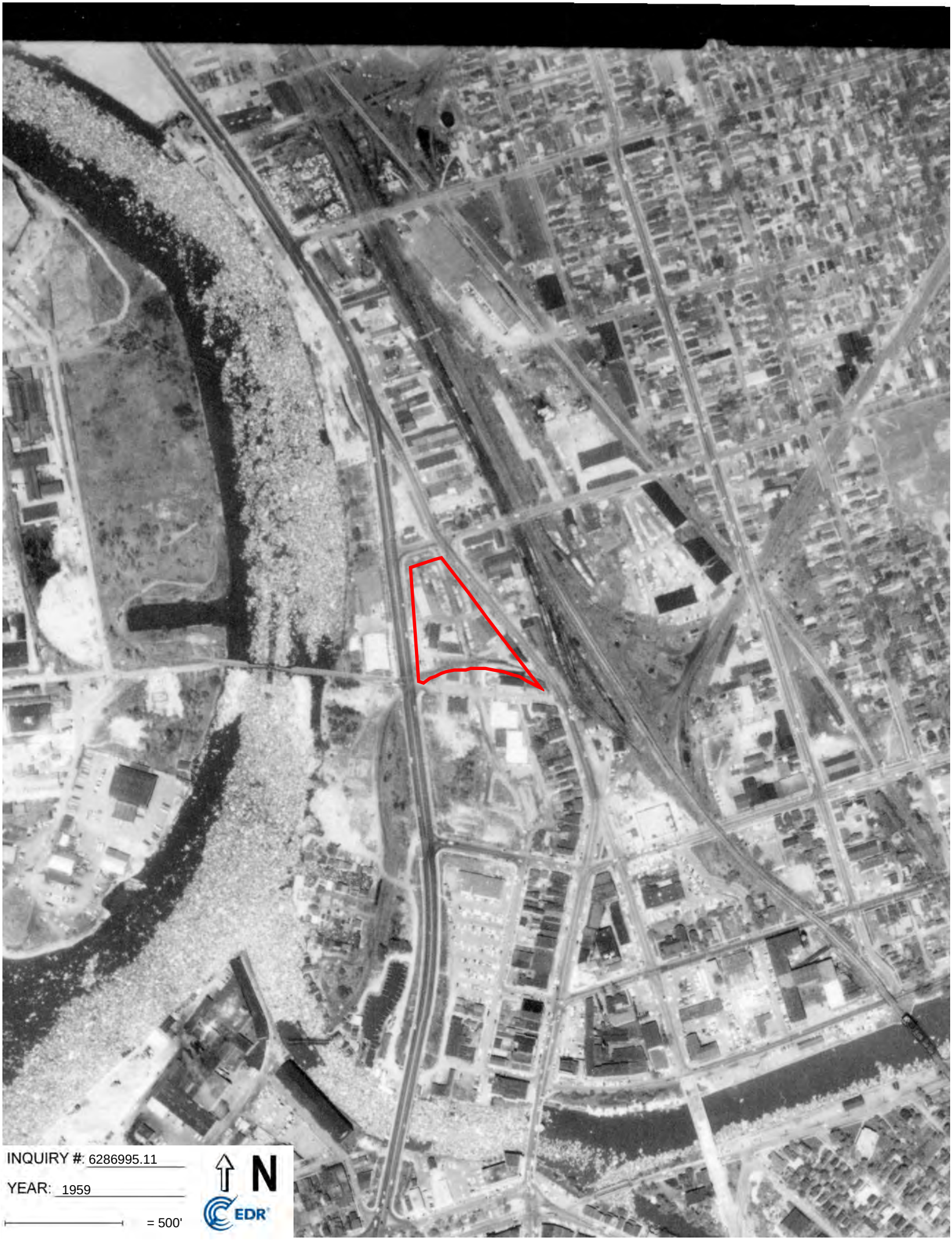
EDR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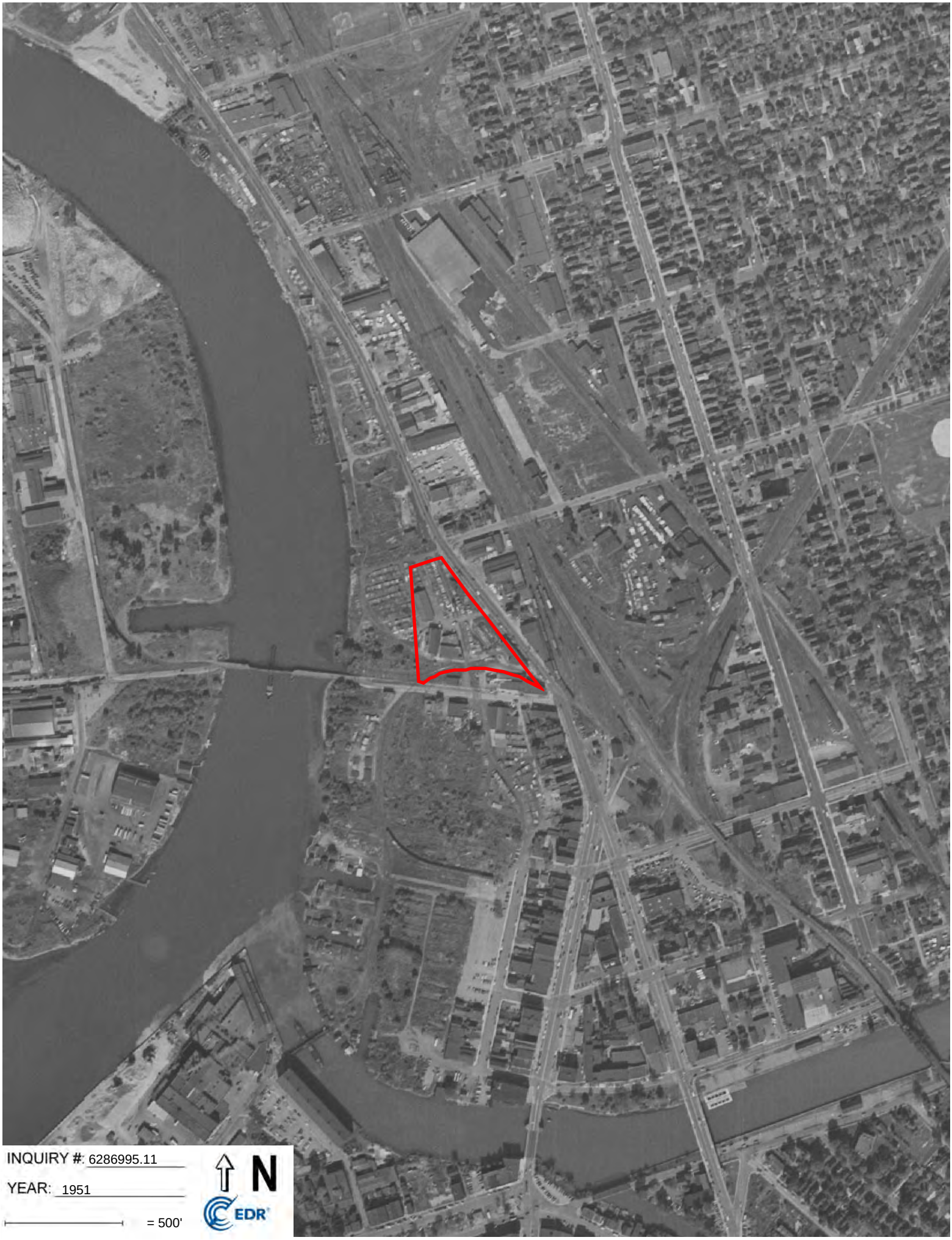
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YEAR: 1951
= 500'
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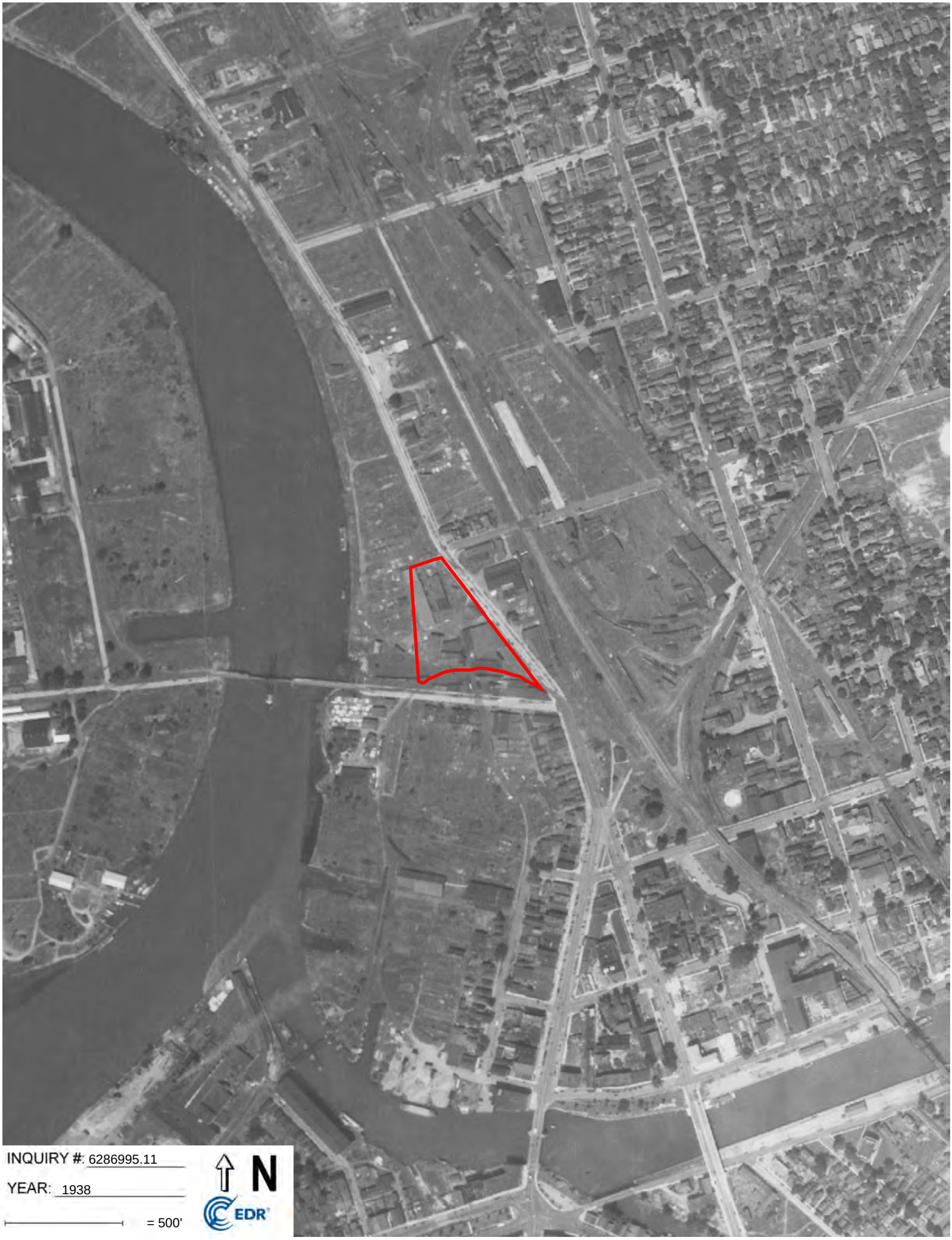
EDR



INQUIRY #: 6286995.11

YEAR: 1938

= 500'

N

EDR

River Road & Main Street Properties

173, 175, and 235 River Rd and 190 Main St

North Tonawanda, NY 14120

Inquiry Number: 6286995.3

December 03, 2020

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/03/20

Site Name:

River Road & Main Street Prop
173, 175, and 235 River Rd an
North Tonawanda, NY 14120
EDR Inquiry # 6286995.3

Client Name:

C & S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, NY 14203
Contact: Alex Brennen

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by C & S Engineers, Inc. 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 # 8582-4F7C-9DA7

PO # Q47009001

Project River Rd & Main St Phase I

Maps Provided:

1967
1951
1910
1893
1889
1886

Sanborn® Library search results

Certification #: 8582-4F7C-9DA7

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 52
1967

Volume 1, Sheet 57
1967

Volume 1, Sheet 63
1967

1951 Source Sheets

Volume 1, Sheet 52
1951

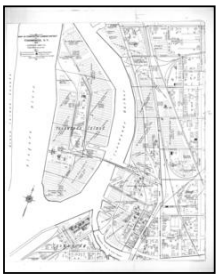
Volume 1, Sheet 63
1951

Volume 1, Sheet 57
1951

1910 Source Sheets

Volume 1, Sheet 52
1910

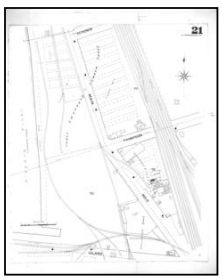
Volume 1, Sheet 63
1910



Volume 1, Sheet xxxx
1910

1893 Source Sheets

Volume 1, Sheet 20
1893



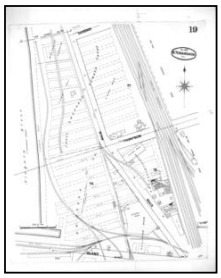
Volume 1, Sheet 21
1893

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

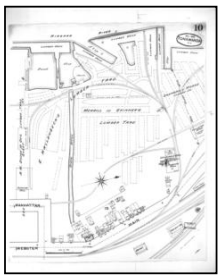
1889 Source Sheets

Volume 1, Sheet 17
1889

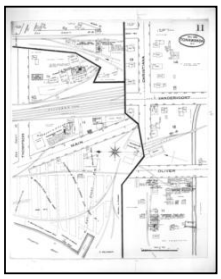


Volume 1, Sheet 19
1889

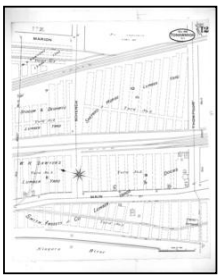
1886 Source Sheets



Volume 1, Sheet 10
1886



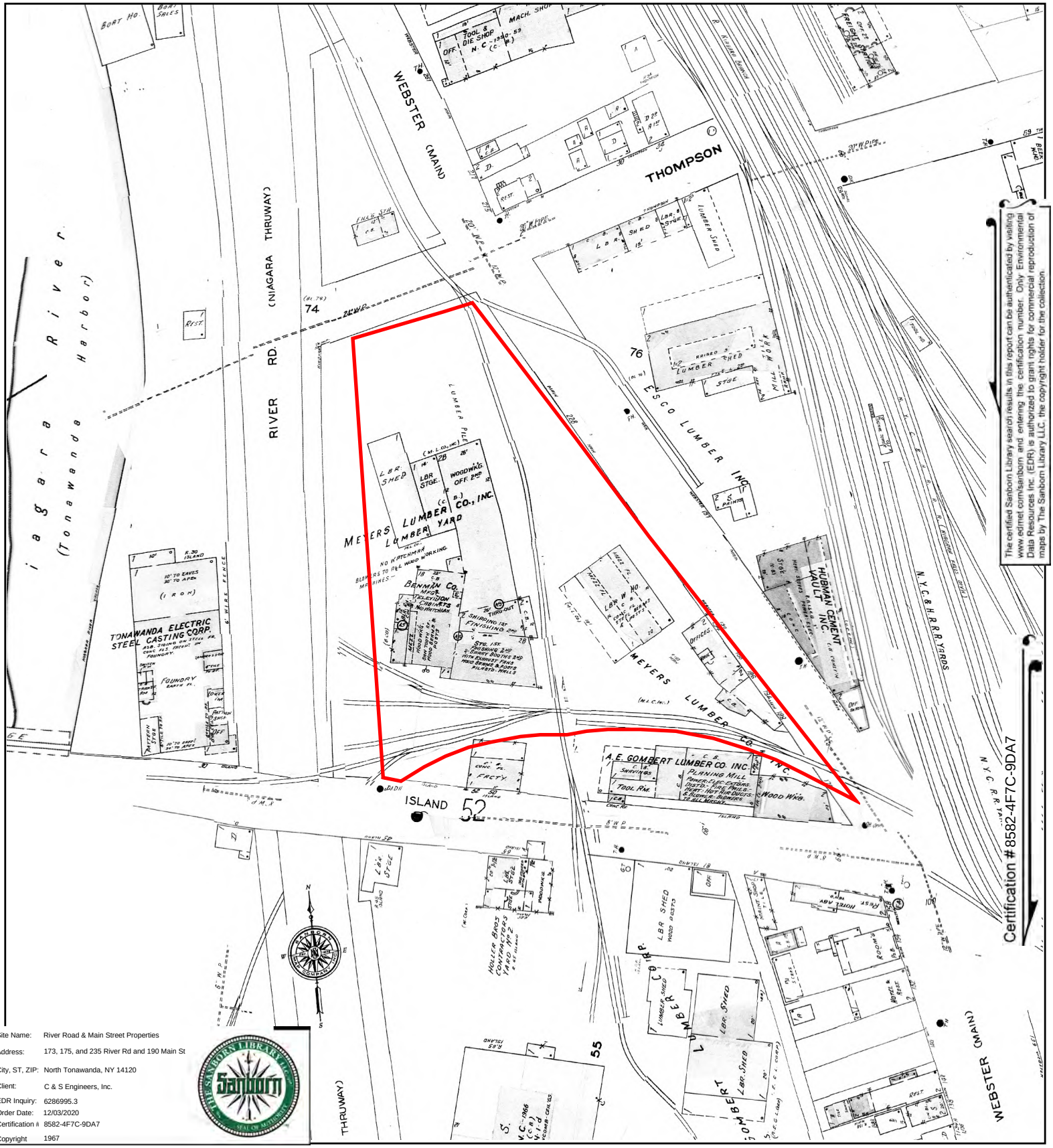
Volume 1, Sheet 11
1886



Volume 1, Sheet 12
1886

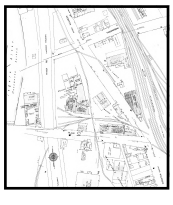
Certified Sanborn® Map

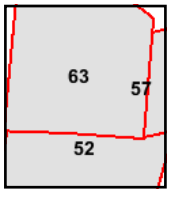
1967



Site Name:	River Road & Main Street Properties
Address:	173, 175, and 235 River Rd and 190 Main St
City, ST, ZIP:	North Tonawanda, NY 14120
Client:	C & S Engineers, Inc.
EDR Inquiry:	6286995.3
Order Date:	12/03/2020
Certification #	8582-4F7C-9DA7
Copyright	1967

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.





Volume 1, Sheet 63
Volume 1, Sheet 57
Volume 1, Sheet 52

0 Feet 150 300 600

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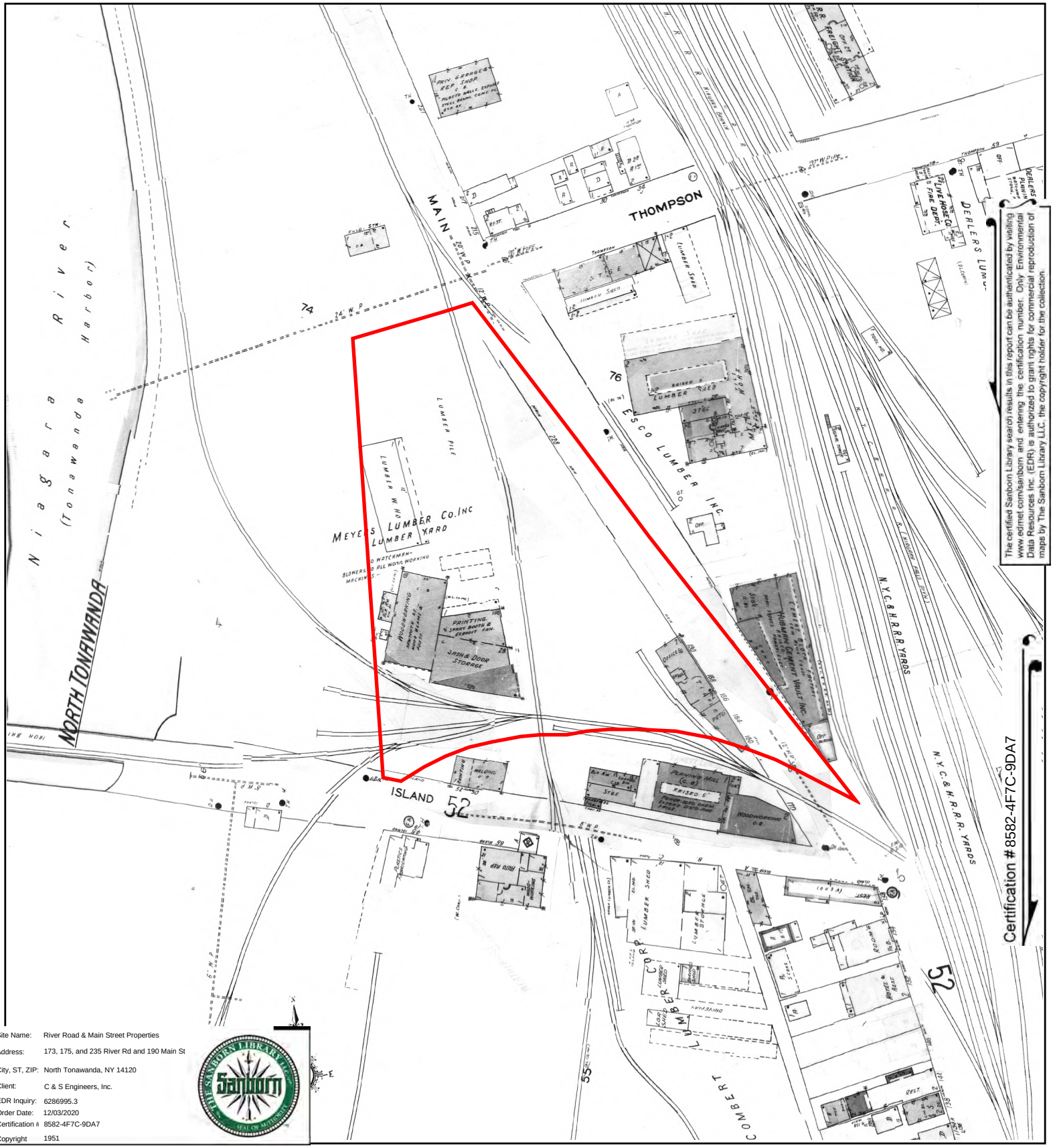

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Address:	173, 175, and 235 River Rd and 190 Main St
City, ST, ZIP:	North Tonawanda, NY 14120
Client:	C & S Engineers, Inc.
EDR Inquiry:	6286995.3
Order Date:	12/03/2020
Certification #	8582-4F7C-9DA7
Copyright	1951

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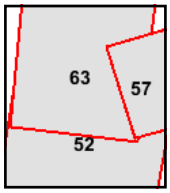

Volume 1, Sheet 57
Volume 1, Sheet 63
Volume 1, Sheet 52

0 Feet 150 300 600

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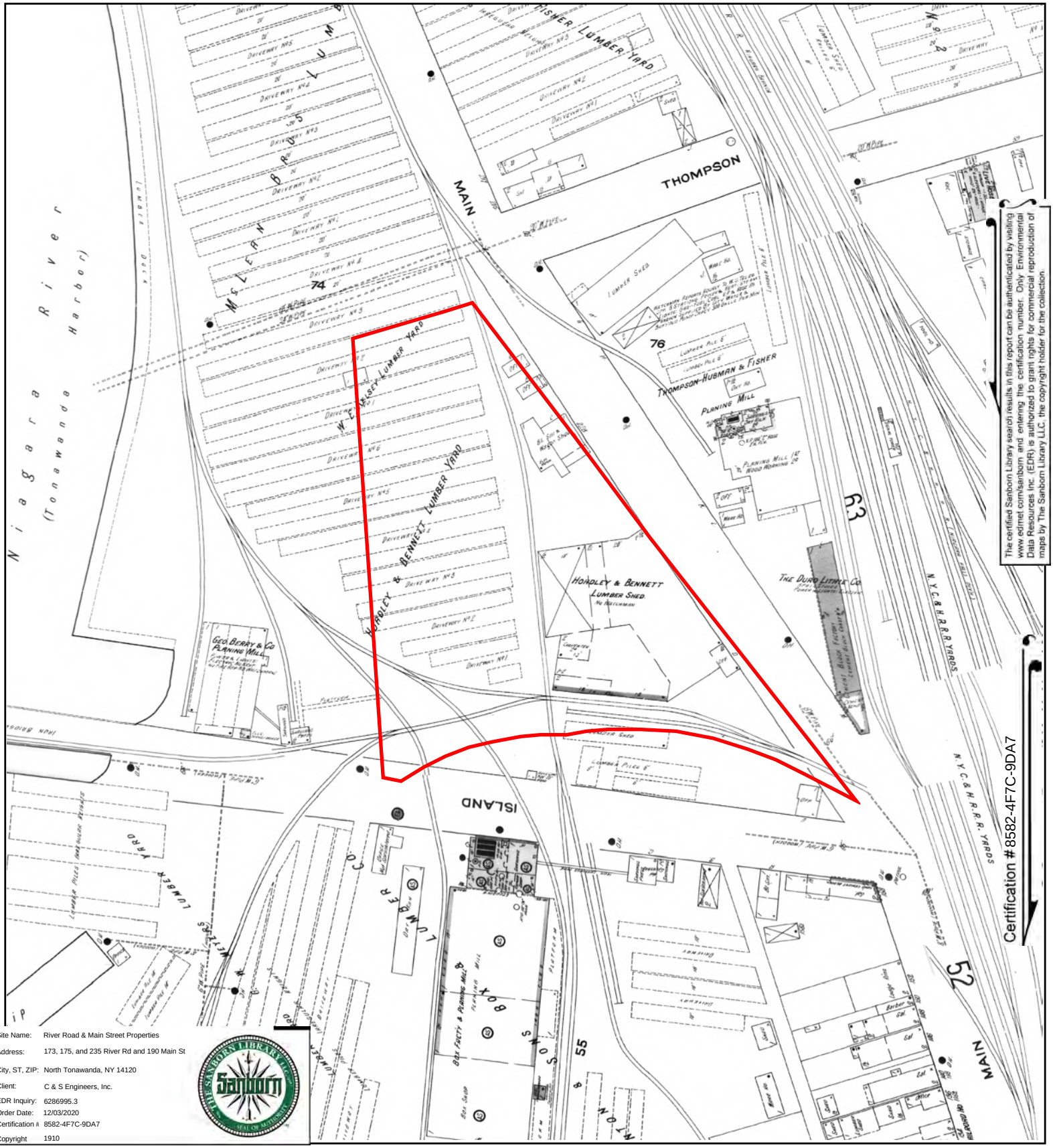

Certification #8582-4F7C-9DA7

Site Name:	River Road & Main Street Properties
Address:	173, 175, and 235 River Rd and 190 Main St
City, ST, ZIP:	North Tonawanda, NY 14120
Client:	C & S Engineers, Inc.
EDR Inquiry:	6286995.3
Order Date:	12/03/2020
Certification #:	8582-4F7C-9DA7
Copyright	1910

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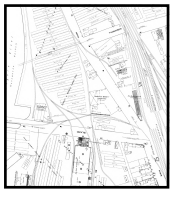

63
xxxx
52

Volume 1, Sheet xxxx
Volume 1, Sheet 63
Volume 1, Sheet 52

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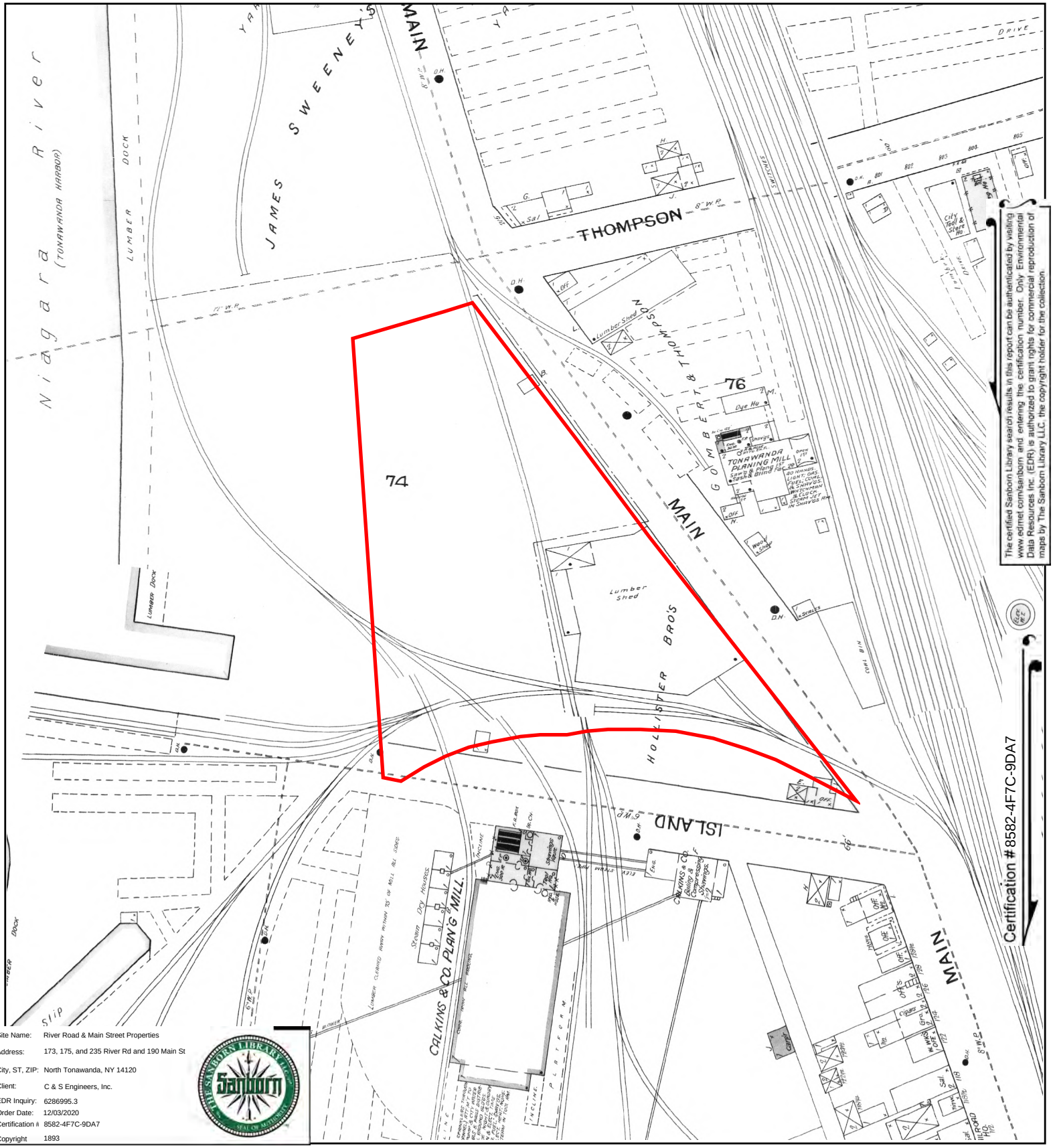

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Site Name:	River Road & Main Street Properties
Address:	173, 175, and 235 River Rd and 190 Main St
City, ST, ZIP:	North Tonawanda, NY 14120
Client:	C & S Engineers, Inc.
EDR Inquiry:	6286995.3
Order Date:	12/03/2020
Certification #:	8582-4F7C-9DA7
Copyright	1893

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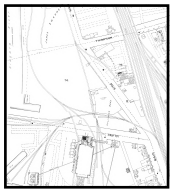

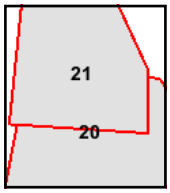

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Volume 1, Sheet 20

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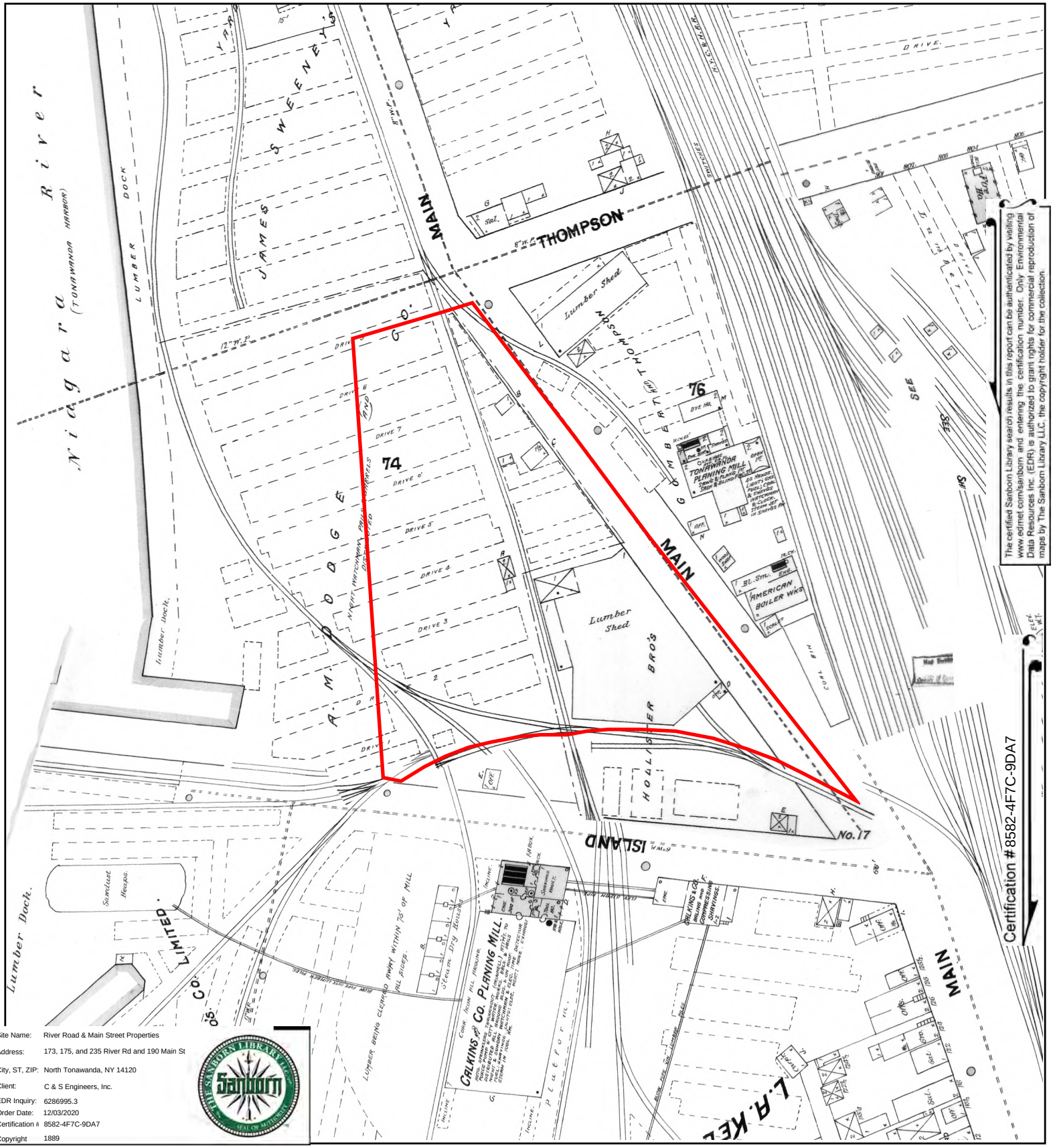

Site Name:	River Road & Main Street Properties
Address:	173, 175, and 235 River Rd and 190 Main St
City, ST, ZIP:	North Tonawanda, NY 14120
Client:	C & S Engineers, Inc.
EDR Inquiry:	6286995.3
Order Date:	12/03/2020
Certification #:	8582-4F7C-9DA7
Copyright	1889

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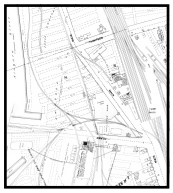

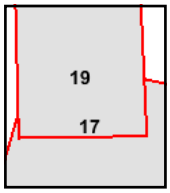

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Volume 1, Sheet 17

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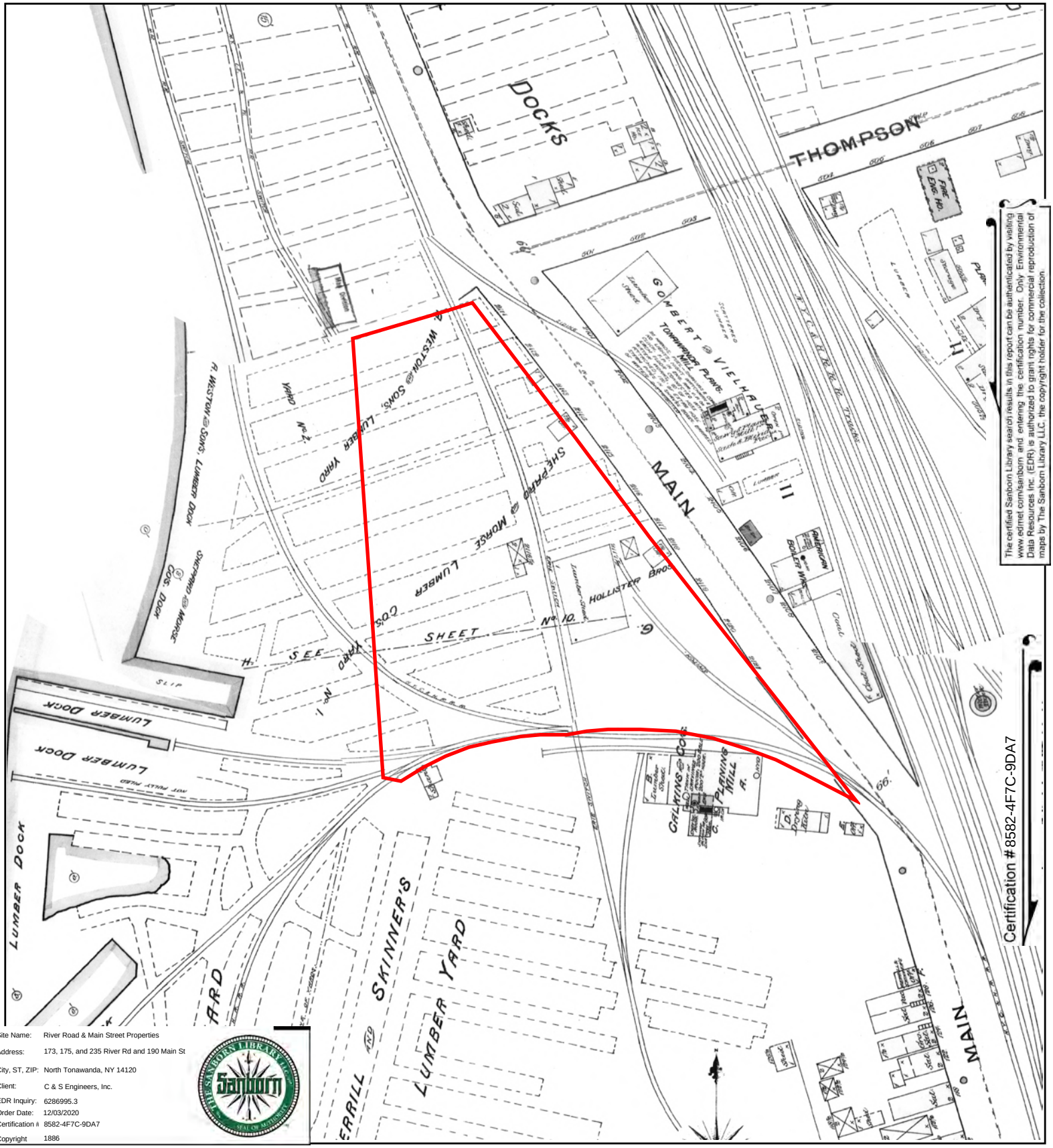

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Address:	173, 175, and 235 River Rd and 190 Main St
City, ST, ZIP:	North Tonawanda, NY 14120
Client:	C & S Engineers, Inc.
EDR Inquiry:	6286995.3
Order Date:	12/03/2020
Certification #:	8582-4F7C-9DA7
Copyright	1886

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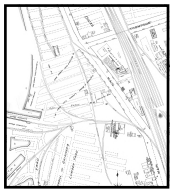

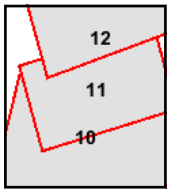

Volume 1, Sheet 12
Volume 1, Sheet 11
Volume 1, Sheet 10

N

River Road & Main Street Properties
173, 175, and 235 River Rd and 190 Main St
North Tonawanda, NY 14120

Inquiry Number: 6286995.5
December 08, 2020

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

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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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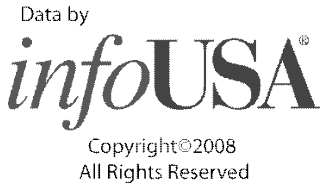

RESEARCH SUMMARY

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
1989	☑	☐	Polk's City Directory
1985	☑	☐	Polk's City Directory
1981	☑	☐	Polk's City Directory
1976	☑	☐	Polk's City Directory
1971	☑	☐	Polk's City Directory
1967	☑	☐	Polk's City Directory
1964	☑	☐	Polk's City Directory

EXECUTIVE SUMMARY

Year	***Target Street***	***Cross Street***	***Source***

FINDINGS

TARGET PROPERTY STREET

173, 175, and 235 River Rd and 190 Main St
North Tonawanda, NY 14120

Year	*CD Image*	*Source*
MAIN ST		
2017	pg A1	EDR Digital Archive
2014	pg A4	EDR Digital Archive
2010	pg A7	EDR Digital Archive
2005	pg A10	EDR Digital Archive
2000	pg A14	EDR Digital Archive
1995	pg A18	EDR Digital Archive
1992	pg A21	EDR Digital Archive
1989	pg A25	Polk's City Directory
1985	pg A27	Polk's City Directory
1981	pg A29	Polk's City Directory
1976	pg A31	Polk's City Directory
1976	pg A32	Polk's City Directory
1971	pg A34	Polk's City Directory
1967	pg A36	Polk's City Directory
1964	pg A38	Polk's City Directory
1964	pg A39	Polk's City Directory
RIVER RD		
2017	pg A2	EDR Digital Archive
2014	pg A5	EDR Digital Archive
2010	pg A8	EDR Digital Archive
2005	pg A12	EDR Digital Archive
2000	pg A16	EDR Digital Archive
1995	pg A19	EDR Digital Archive
1992	pg A22	EDR Digital Archive
1989	pg A26	Polk's City Directory
1985	pg A28	Polk's City Directory
1981	pg A30	Polk's City Directory
1976	pg A33	Polk's City Directory

FINDINGS

Year	***CD Image***	***Source***
1971	pg A35	Polk's City Directory
1967	pg A37	Polk's City Directory
1964	pg A40	Polk's City Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAIN ST 2017

21	NT ELKS
22	PIRSON AUTO PARTS INC
27	RIDGE HOME FURNSHING
65	FIRST UNITED METHODIST CHURCH
75	SHANNON ENTERPRISES OF WESTERN NEW Y
81	GARLAND, LINDA M
	HUNT, THOMAS
	WARIS, HUSSEIN
82	PENCIL IN THE RIVER
	RIVER ART GALLERY & GIFTS
85	TWINCITY TRANSMISSION
105	DPT LLC
	ELIZABETH MARABELLA PECK PT DPT LLC
	ERTEL, PAUL D
	MARABELLA PHYSICAL THERAPY
	QUIZNOS
	SHEAR MAGIC SALON BY LINDA & CATHY
	URBAN PAINT
107	CORNERSTONE COMMUNITY FEDERAL CREDIT
	GREATER BUFFALO SAVINGS BANK
134	CONTI, DAVID J
138	LANGEVIN, KAREN K
	WILLETT, LAWERNCE A
139	EXPRESS MART
140	HIGH, JEFFREY S
152	BENKO, CAROL
	MASUR, MICHAEL
158	BROADWAY HOTEL
188	DOWNTOWN AUTO
215	BETTYS GRILL
	BLAIR, WILLIAM A
217	MAZIARZ, LESLEY J
261	TRINITY TOOLS
283	B & R AUTO ACCESSORIES
285	TOP SHOP COLLISION INC
295	CUSTOM INTERIORS KITCHEN & BATH

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 2017

100	FIRST NIAGARA
	TOWN TO TOWN LOCKSMITH
107	CONLEYS AUTO REPAIR
	ERIC ONE STOP
139	PATCO MOTORS
200	A DM INC
	ACTION MFG INC
	ACTION PRECISION GRINDING
	RIVERFRONT CUSTOM DESIGN INC
	SPIER MACHINERY CORP
	WINFIELD MARINA INC
235	METZGER REMOVAL INC
285	DURKEE MFG CO
315	NEILS FIVE CORNERS AUTOMOTIVE
321	JACKS LAWN MOWER SERVICE
333	GET IT INC
	M C W CONSTR INC
346	NIAGARA RIVER YACHT CLUB
391	M C W CONSTR INC
393	MIRIS
400	BOW & STERN MARINE INC
411	KUMM, MELVIN A
435	KENMORE RECORDADVERTISER
	TONAWANDA NEWS
495	LAGATTUTA, APRIL
	OCONNELL, KRYSTEN
	RAINEY, LEONDRA
	RANEY, RASHAWN
497	FAULHABER, TAMMY L
501	MADOLE, JENNIFER L
503	TIERNAN, CHRISTINA
512	EAST PIER MARINA INC
533	FIXS UNLIMITED AUTO
	FIXS UNLIMITED AUTO BODY SERVICES
555	KWIK FILL
	RECREATIONAL DSTRBRS WAREHOUSE
621	L M M PROPERTIES INC
624	ARCHER MEDICAL
	CHICK ROBERT M DENTAL WELLNESS CTR
	DALE ASSOCIATION COUSELING
	GRAND ISLAND FAMILY PRACTICE
	NIAGARA FALLS MEMORIAL MEDICAL CENTE
	ROBERT J RESZEL II DDS
	WELLNESS PARK PHARMACY
	WILLARD D RUTH DO
655	JACO CUSTOM GRINDING CO
765	MARKER SYSTEMS
830	CALGON CARBON CORPORATION
871	BUFFALO INDUSTRIAL CHEMICAL INC
	RIVERSIDE CHEMICAL CO INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 2017 (Cont'd)

891 NIAGARA DETAIL
940 JACO CUSTOM GRINDING CORP

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAIN ST 2014

21	NT ELKS
22	DIESEL & AUTO ELECTRIC
	PIRSON AUTO PARTS INC
	PIRSON AUTOMOBILE PARTS INCORPORATED
27	RIDGE FURNITURE WAREHOUSE
29	SPINA, KATRINA
65	FIRST UNITED METHODIST CHURCH
68	THE RIVIERA THEATRE
75	SHANNON ENTERPRISES OF WNY
81	GARLAND, LINDA M
	HUNT, THOMAS
82	PENCIL IN THE RIVER
	RIVER ART GALLERY & GIFTS
85	TWINCITY TRANSMISSION
105	SUBMASTER SUPREME
	URBAN PAINT
107	CORNERSTONE COMMUNITY FEDERAL CREDIT
	GREATER BUFFALO SAVINGS BANK
128	OCCUPANT UNKNOWN,
134	CONTI, DAVID J
138	LANGEVIN, CHARLES T
	NAIMI, PENNY B
	OCCUPANT UNKNOWN,
	WILLETT, LAWERNCE A
140	BURGMANN, GARY A
	CROWE, THOMAS T
	KING, KRISTINA
	WIESNER, ANDREW F
152	BENKO, CAROL
	MACMURTRIE, PETER G
	OLMSTEAD, GEORGE H
158	BROADWAY HOTEL
215	BATTAGLIA, LESLEY J
	COLWELL, CHARLES K
	MAZIARZ, LESLEY J
261	TRINITY TOOLS INCORPORATED
283	B & R AUTO ACCESSORIES
295	CUSTOM EXTERIORS CONTRACTING
	CUSTOM INTERIORS KITCHEN & BATH

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 2014

1	BERGEY, JOHN
45	NEWMAN, GEORGE
50	MADOLE, JENNIFER
89	DALE ASSOCIATION COUNS & TREATMENT C
	DALE ASSOCIATION OUTPATIENT COUNSELI
	OCCUPANT UNKNOWN,
100	FIRST NIAGARA
	FIRST NIAGRA BANK
	TOWN TO TOWN LOCKSMITH
107	ERIC ONE STOP
139	PATCO MOTORS
200	A DM INCORPORATED
	ACTION MANUFACTURING INCORPORATED
	RIVERFRONT CUSTOM DESIGN INCORPORATE
	SPIER MACHINERY CORPORATION
	WINFIELD MARINA INCORPORATED
235	METZGER REMOVAL INCORPORATED
249	HAMMAR, ELIZABETH
285	DURKEE MANUFACTURING COMPANY
315	FLUKER, JAMES L
321	JACKS LAWN MOWER SERVICE
333	GET IT INCORPORATED
	GET IT INCORPORATED DUMPSTER SERVICE
	M C W CONSTRUCTION INCORPORATED
346	NIAGARA RIVER YACHT CLUB
366	PARLUWSKI, PAUL
369	TONAWANDA VALVE INCORPORATED
	VAL KRO INCORPORATED
	VAL KRO INDUSTRIAL PLATING INCORPORA
391	M C W CONSTRUCTION INCORPORATED
	MICHAELS LANDING
	WACHOWICZ MICHAEL
393	MIRIS CASH & CARRY
400	BOW & STERN MARINE INC
411	KUMM, MELVIN A
435	KENMORE RECORD ADVERTISER
	TONAWANDA NEWS
495	OCONNELL, KRYSTEN
	REYES, JENNIFER
	SHIP OF FOOLS
	SOOS, JACK W
497	BUTERBAUGH, EDGAR
	FLACH, DIANNA
501	MADOLE, DONNA
503	LAPAGLIA, EARL W
	MOREHOUSE, STEPHANIE A
	NEAL, SANDRA
	TIERNAN, CHRISTINA
512	EAST PIER MARINA INCORPORATED
533	FIXS UNLIMITED AUTO

Target Street	Cross Street	Source
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RIVER RD 2014 (Cont'd)

533	FIXS UNLIMITED AUTOMOBILE
	FIXS UNLIMITED AUTOMOBILE BODY SERVI
555	RECREATIONAL DSTRBRS WAREHOUSE
	UNITED REFINING
624	CHICK ROBERT M DENTAL WELLNESS CENTE
	KALEIDA HEALTH
	NIAGARA FALLS MEMORIAL MEDICAL CENTE
	RESZEL FAMILY PRACTICE PC
	RESZEL ROBERT J DDS
	RIVER PARK FAMILY MEDICINE PC
	ROEHMHOLDT, JOHN
	SAMUEL L MARABELLA
	WELLNESS PARK PHARMACY
655	TOMKEN COMPANY LLC
665	OCCUPANT UNKNOWN,
765	MARKER SYSTEMS
830	CALGON CARBON CORPORATION
871	BUFFALO INDUSTRIAL CHEMICAL INCORPOR
921	ROBINSON, OSCAR
940	JACO CUSTOM GRINDING CORPORATION
1053	HOLLER, GENE
2179	FRONTIER VOLUNTEER FIRE COMPANY HALL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAIN ST 2010

22	DIESEL & AUTO ELECTRIC
	MAIN ENGINE REBUILDERS
	PIRSON AUTO PARTS INC
27	HOME SWEET HOME FURNITURE
	RIDGE FURNITURE WAREHOUSE
29	SPINA, KATRINA
47	ARTIST AT WORK
65	FIRST UNITED METHODIST CHURCH
75	SHANNON ENTERPRISES OF WNY
81	CHARLTON, ELLSWORTH
	DYE, CHRISTINA
	HUNT, THOMAS
	LAROE, KIMBERLY
	MILOT, THOMAS D
	VOSS, PAMELA
82	OCCUPANT UNKNOWN,
85	TWIN CITY TRANSMISSION
105	MARABELLA SAMUEL
	SHEAR MAGIC BY LINDA
	URBAN PAINT
107	CORNERSTONE COMMUNITY FED CU
126	BOBS ELECTRONICS
128	ROBINSON, DAVID L
134	CONTI, ALAN R
138	LANGEVIN, CHARLES T
	OCCUPANT UNKNOWN,
	ROWLETT, WILLIAM
	WILLETT, LAWERNCE A
139	NOCO ENERGY CORP
140	MONTAGUE, NICK
	NEAF, JOSHUA
	OSBOURNE, JOSHUA
152	BENKO, CAROL
154	BALSANO, KATHLEEN
158	BROADWAY HOTEL
188	DOWNTOWNE AUTO CENTRE
190	A TO Z
195	FAST LANE COLLISION
215	BATTAGLIA, LESLEY J
	BETTYS GRILL
	GROSSKOPF, MARC
250	FAST LANE AUTO SALES & SVC
261	TRINITY TOOLS INC
283	NEWS WORLD
284	KIBLER SENIOR HOUSING
	KIBLER SENIOR HOUSING APTS
285	CUSTOM GLASS BLOCK
295	B & R AUTO ACCESSORIES
	CUSTOMS EXTERIORS CONTRACTING
	M L BALLSMITH SALES

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

RIVER RD 2010

25	RAVELOE FIBERS
45	NEWMAN, GEORGE
71	RIVERSIDE CHEMICAL INC
89	CARQUEST AUTO PARTS
	DALE ASSOCIATION COUNSELING
	OCCUPANT UNKNOWN,
100	FIRST NIAGARA BANK
107	BIG D TIRE INC
	CONLEYS AUTO REPAIR
139	PATCO MOTORS
140	SHILLENN, JAMES L
200	ACTION MANUFACTURING INC
	IGT CO
	KJS
	RIVERFRONT CUSTOM DESIGN INC
	SPIER MACHINERY CORP
	WINFIELD MARINA INC
235	METZGER REMOVAL INC
249	HAMMAR, ELIZABETH
285	DURKEE MANUFACTURING CO
	TRIMMER, RICHARD
315	FLUKER, JAMES J
321	JACKS LAWN MOWER SVC
333	GET IT INC DUMPSTER SVC
	MCW CONSTR INC
	WACHOWICZ-WHITE, MARLANA
346	NIAGARA RIVER YACHT CLUB
366	PARLUWSKI, PAUL
369	VAL KRO INC
390	FUETTERER, JEANINE H
391	MCW CONSTRUCTION INC
393	MIRIS CASH & CARRY
400	BOW & STERN MARINE INC
411	KUMM, MELVIN A
429	BOW & STERN MARINE CO
435	KENMORE RECORDADVERTISER
495	BRITTAIN, DUWAYNE E
	FIX, JAMES
	GROSE, KEITH K
	HOLLEY, MISTI
	MILLER, ROBERT
	SHIP OF FOOLS
497	BUTERBAUTH, ERIN
	FLACH, CHRISTINE L
	LAPAGLIA, EARL W
501	TIPTON, AUDY
503	HOLLEY, DAVID
	MOREHOUSE, STEPHANIE
507	RED ROSE SALOON
512	EAST PIER MARINA INC

Target Street	Cross Street	Source
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RIVER RD 2010 (Cont'd)

533	V TWIN CYCLES INC
555	KWIK FILL
	OCCUPANT UNKNOWN,
	RECREATIONAL DISTRIBUTORS INC
565	WANG, RON
621	CONDOMINIUM MANAGEMENT CO
	JCF AUTO CTR
624	KALEIDA HEALTH LABORATORY
	MIDCITY DENTISTRY
	NAGALLA RAJESWARA R MD
	RIVER PARK FAMILY MEDICINE PC
655	MARKER SYSTEMS INC
665	BERNACKI, JOHN P
	KING INDUSTRIAL REPAIR
830	NORTH TONAWANDA WASTEWATER PLT
921	ROBINSON, OSCAR
1053	HOLLER, GENE
2099	JEHOVAHS WITNESSES

Target Street	Cross Street	Source
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MAIN ST 2005

13	JERLA, MATTHEW B
21	BPO ELKS 860
22	PIRSON AUTO PARTS INC
65	FIRST UNITED METHODIST CHURCH
	N TONAWANDA UN METHODIST CHR
	WESTERN N Y CONFERENCE F UNTD M
68	COMPETITION TRANSMISSION SERVICE
75	SHANNON ENTERPRISES OF W N Y INC
81	BALSANO, KATHLEEN
	HAMILTON, N
	HELLER, MEGAN
	MILOT, THOMAS
	OKON, SUSAN
	TIPPETT, CAROL A
82	OCCUPANT UNKNOWN,
85	BUCHOLTZ TRANSMISSION INC
	TWIN CITY TRANSMISSION
126	BOBS ELECTRONICS
	BOBS TV SERVICE
128	ROBINSON, DAVID
134	BEUTNER, BRIAN D
	CONTI, ALAN R
	ROJAS, LAURA E
138	CHARLES, T L
	LANGEVIN, CHARLES T
	MOORE, BRAD T
	WILLETT, LAWERNCE A
140	BERGMANN, GARY
	LAJOIE, CHARLES J
	MAIN STREET FLEA MARKET
	WILKINS, EDWARD
152	OLMSTEAD, GEORGE H
154	SZYNKOWSKA, A L
158	BROADWAY HOTEL INC
188	DOWNTOWNE AUTO CENTRE
190	CYCLE INN
	OCCUPANT UNKNOWN,
195	FAST LANE COLLISION
211	MCGOWAN, JOHN
215	BATTAGLIA, LESLEY J
	BETTYS GRILL
	GROSSKOPF, MARC
	SHERWOOD, G W
217	IRMGARD, GUAY
250	FAST LANE SERVICE ISLAND INC
261	TRINITY TOOLS INC
283	VIDEO PIX II INC
284	DOLKA, DONNA J
285	DURKEE MFG CO
	TOP SHOP COLLISION INC

MAIN ST 2005 (Cont'd)

285 TRIMMER ELECTRIC
295 B & R AUTO ACCESSORIES
BUSY BEE & LIMOUSINE INC
CUSTOM INTERIORS KITCHEN & BATH
ML BALLSMITH SALES

Target Street	Cross Street	Source
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RIVER RD 2005

89	CARQUEST OF NORTH TONAWANDA
	DALE ASSOCIATION
	HUTCHINSON AUTOMOTIVE SUPPLY CO
107	BIG D TIRE INC
	CONLEYS AUTO REPAIR
140	SHILLENN, JAMES L
200	ACTION PRECISION GRINDING INC
	AMERICAN DESIGN & MANUFACTURING INC
	I G T CO
	IGT CUSTOM GEAR CUTTING
	MOBILE MARINE SERVICE & REPAIR
	SPIER MACHINERY CORP
	WINFIELD MARINA INC
235	METZGER REMOVAL INC
249	HAMMAR, ELIZABETH
285	TRIMMER, RICHARD
303	BUSYBEE LIMOUSI
315	JF AUTO SALES
	OCCUPANT UNKNOWN,
321	JACKS LAWN MOWER SERVICE
346	SCHOONERS GALLEY
366	PARLUWSKI, PAUL
369	TONAWANDA VALVE INC
	VAL KRO INC
390	FUETTERER, JEANINE H
393	MIRIS CASH & CARRY
400	BOW & STERN MARINE INC
411	KUMM, MELVIN A
435	KENMORE RECORD ADVERTISER
	NIGHT LIFE MAGAZINE
	TONAWANDA NEWS
495	BEACHYS GRILL
	BRILL, JOANNE
	FITZSIMMONS, KELLY A
	WARNER, C F
497	BUTERBAUTH, ERIN
	JONES, SALLY J
501	TIPTON, AUDY
503	LAPAGLIA, MELISSA A
	SMITH, C
507	507 RIVER RD INC
512	EAST PIER MARINA INC
	SPECIALTY SOAPS DETRGNTS CORP
553	AWNINGS PLUS CO
	FABTRON INDUSTRIES INC
555	KWIK FILL
	OCCUPANT UNKNOWN,
621	L M M PROPERTIES INC
624	DEGRAFF MEMORIAL HOSPITAL LAB
	KALEIDA HEALTH

Target Street	Cross Street	Source
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RIVER RD 2005 (Cont'd)

624	MARABELLA
	NORTHTOWN UROLOGY ASSOCIATES PC
	RESZEL FAMILY PRACTICE
	RIVER PARK FAMILY MEDICINE PC
	RIVER PARK MEDICAL & DENTAL CENTER
	ROBERT J RESZEL
	ROEHMHOLDT JOHN M
658	SCHUMACHER, S
665	HYBRID CONNECTION
	KING INDUSTRIAL REPAIR
	OCCUPANT UNKNOWN,
830	WWTP
870	RAVE INC
	ZIPHANY LLC
871	RIVERSIDE CHEMICAL CO INC
891	PREMIER WINDOW TINTING
940	JACO CUSTOM GRINDING CORP
1010	NIAGARA RIVER YACHT CLUB
1053	HOLLER, GENE
1232	DYBDAHL, PHILIP N
1271	STAWITZ, ROSE M

Target Street	Cross Street	Source
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MAIN ST 2000

21	ELKS BPOE NO 860
22	PIRSON AUTO PARTS INCORPORATED
	TREAD CITY TIRE INCORPORATED
27	FLANIGAN CHEVROLET
	FLANIGAN CHEVROLET & GEO INCORPORATED EXPRESS PARTS LINE
	FLANIGAN CHEVY & GEO INCORPORATED FLT/COMRCL VEHICS
	FRONTIER CHEVROLET INCORPORATED
36	MILLEN, MARCY
65	FIRST BAPTIST CHURCH OF HOLLAND
	FIRST UNITED METHODIST CHURCH OF NORTH TONAWANDA
	WICKETT THOMAS F REV
68	COMPETITION TRANSMISSION SVCE
75	ROBERTS SHOW PLACE INCORPORATED
	ROWE SHOW PLACE THE
81	FELDER, MICHAEL T
	GASSMAN, A
	OUCHIE, C
	SHENK, DOLORES P
	VOGEL, THOMAS
85	TWIN CITY TRANSMISSION
107	MARINE MIDLAND BANK
	MARINE MIDLAND BANK BRANCH LOCATIONS
126	BOBS ELECTRONICS
128	OCCUPANT UNKNOWN,
130	NEON DISPLAYS
134	BEUTNER, BRIAN D
	HASSELL, ANTHONY
	MODERN DESIGN
138	BOZEMAN, LAURA
	LANGEVIN, C
140	LAJOIE, CHARLES
	MAIN STREET FLEA MARKET
152	GARRISON, C J
	MACMURTRIE, PETER G
154	MCEACHERN, P
	NAHS, GAIL J
	VONA, R
158	BROADWAY HOTEL
188	ARBEITER, ROBERT
195	FAST LANE COLLISION
	P & JS SPEED SHOP
196	A & R COLLISION
	ABSOLUTELY PAINT AND BODY
215	BETTYS GRILL
250	D & R USED CARS
	FAST LANE SVCE ISLAND
255	BRONCATO, CHARLES J
261	TRINITY TOOLS INCORPORATED
285	BODYLINES
	CUSTOM GLASS BLOCK

MAIN ST 2000 (Cont'd)

285 DURKEE MANUFACTURING CO KITCHN CABNTS
TOP SHOP COLLISION
295 BAY 3
CUSTOM INTERIORS KITCHEN & BATH
ML BALLSMITH SALES
OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
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RIVER RD 2000

89	FAMILY & CHILD SERVICE OF NIAGARA INCORPORATED MENTAL HEALTH
	FAMILY & CHILDRENS SVCE OF NIAGARA INCORPORATED MENTAL HEALT
	HUTCHINS AUTOMOTIVE SUPPLY CO
107	BIG D TIRE INCORPORATED
	BOB JOHNSON MOTORS
	CONLEYS AUTO REPAIR
200	A D M INCORPORATED
	ACTION MANUFACTURING INCORPORATED
	AMERICAN DESIGN & MANUFACTURING INCORPORATED
	I G T COMPANY TOOLS
	KJS
	SPIER MACHINERY CORPORATION
	WINFIELD MARINA INCORPORATED
235	METZGER REMOVAL INCORPORATED
278	DBS HYDROS
315	WOODS, DONALD C
320	AFFORDABLE BOATING CENTER INCORPORATED
333	M C W CONSTRUCTION INCORPORATED
346	SCHOONERS GALLEY
	SONRIE ENTERPRISES
369	DEAKIN MICHAEL D CPA
	NETWORK SECURITY CORPORATION
	VAL KRO INCORPORATED
390	OCCUPANT UNKNOWN,
391	M C W CONSTRUCTION INCORPORATED
	WACHOWICZ MICHAEL
393	MIRIS CASH & CARRY
394	MISNER, WILLIAM
400	BOW & STERN MARINE INCORPORATED
411	KUMM, MELVIN A
435	ISLAND RECORD
	NIGHT LIFE MAGAZINE
	RECORD ADVERTISER
495	BEACHYS GRILL
	WARNER, C F
497	COONEY, E
501	OCCUPANT UNKNOWN,
503	FLACH, C L
507	RED ROSE SALOON
512	EAST PIER MARINA INCORPORATED
553	ADVANTAGE SIGNS
	AWNINGS PLUS
555	KWIK FILL
	LUMBERJACK PALLET INCORPORATED
	RECREATIONAL DSTRBTRS WAREHOUSE INCORPORATED
560	DR GELCOAT
621	J C F AUTO CENTER
624	AMHERST TONAWANDA ORTHOPEDICS CENTER
	BUFFALO HEART GROUP
	DEGRAFF MEMORIAL HOSPITAL LABATORY COLLECTION STATION

Target Street	Cross Street	Source
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RIVER RD 2000 (Cont'd)

624	LOCKPORT MRI LLC DBA NORTHTOWNS IMAGING
	NORTHTOWN UROLOGY ASSOCIATES PC
	NORTHTOWNS IMAGING PC
	PHILLIPS EMILIA MD
	RESZEL ROBERT J MD
	ROEHMHOLDT JOHN M MD
	SOSNOWSKI JACEK T MD
665	CAN AM FENCES AND DECKS
	CENTRAL MINI STORAGE
	FRONTIER AUTO SALES
	KING INDUSTRIAL REPAIR
	UHAUL COMPANY INDEPENDENT DEALERS
815	NEW ERA CONSTRUCTION INCORPORATED
	SANDONE, MICHAEL
825	KISSEL COUNTRY TIN GIFTS
830	ENVIRONMENTAL MANAGEMENT SVCES LIMITED
	NORTH TONAWANDA CITY OF WASTEWATER TREATMENT PLT
831	KISSEL & SONS SCRAP IRON & METAL COMPANY
891	FINE MOTORS
940	JACO CUSTOM GRINDING CORPORATION
1010	NIAGARA RIVER YACHT CLUB
1273	L & M AUTO SALVAGE
2179	FRONTIER VOLUNTEER FIRE COMPANY HALL 2
2242	ELLIOT GEORGE EXCAVTNG
2829	MACALUSO ORNAMENTAL ART
3601	JOVICICH, STEPHEN
3649	PARISO CARMEN M INCORPORATED TRUCKING
3670	MID RIVER MARINA INCORPORATED
3701	ASHLAND CHEMICAL
	ASHLAND CHEMICAL COMPANY
3709	CHEMCENTRAL BUFFALO
3725	HENCO WELDING & FABRICATION
3733	SUN COMPANY INCORPORATED
3875	AUSMUS CORPORATION
	TONAWANDA COKE CORPORATION
	TONAWANDA COKE CORPORATION SALES OFFICE
3937	SIVACO NEW YORK
4000	FRONTIER TIRE COMPANY INCORPORATED
	HAMILTONS SMALL ENGINE REPAIR & MARINE ACCESSORY INSTALLAT
	HASELY TRUCKING COMPANY INCORPORATED
	MARATHON PETROLEUM COMPANY
	MERCHANTS METALS WHOLESALE
	NIAGARA RIVER WORLD
4001	MAZIARZ LOUIS AUTO WRCKNG

Target Street	Cross Street	Source
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MAIN ST 1995

21	ELK'S BPOE NO 860
22	PIRSON AUTO PARTS INC
	TREAD CITY TIRE INC
27	FLANIGAN CHEVROLET INC
	FLANIGAN CHEVROLET INC-EXPRESS PARTS LINE
	FLANIGAN CHEVROLET INC-FLEET/COMMERICAL VEHICLES
65	FIRST UNITED METHODIST CHURCH OF NORTH TONAWANDA
68	COMPETITION TRANSMISSION SVCE
75	ROBERT'S SHOW PLACE INC
	ROWE SHOW PLACE THE
85	TWIN-CITY TRANSMISSION
107	MARINE MIDLAND BANK-WESTERN NEW YORK BRANCHES-NORTH TONAWAND
	MARINE MIDLAND BANK-WESTERN NEW YORK BRANCHES-TOWN OF NIAGAR
	STATE TRUST OFFICE-MARINE MIDLAND BANK WESTERN
126	BOB'S ELECTRONICS
130	NEON DISPLAYS
134	MODERN DESIGN
139	NOCO ENERGY CORP
158	BROADWAY HOTEL
195	ADVANCED MACHINERY SALES LTD
196	A & R COLLISION
	P & J'S SPEED SHOP
215	BETTY'S GRILL
250	D & R USED CARS
	FAST LANE SVCE ISLAND
261	TRINITY TOOLS INC
285	BODYLINES
	DURKEE MFG CO, KITCHN CABNTS
	TOP SHOP COLLISION
295	CUSTOM EXTERIORS CONTRACTING
	CUSTOM EXTERIORS KITCHEN & BATH
	HEADLIGHT REMINDERS OF WNY
	KIRISITS ADVISORY & SERVICES INC
	RAINBOW TRANSPORTATION

Target Street	Cross Street	Source
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RIVER RD 1995

100	LOCKPORT SAVINGS BANK
111	BOB JOHNSON MOTORS
200	A D M INC
	AMERICAN DESIGN & MANUFACTURING INC
	EMBLIDGE, THOMAS J
	I G T CO, TOOLS
	MIRACLE PACKAGING INC
	SPIER MACHINERY CORP
	WINFIELD MARINA INC
235	METZGER REMOVAL INC
321	REESE AUTOMOTIVE
	RUNGE COLLISION
333	GEORGIAN BAY LUMBR CO INC
346	RIVERVIEW TAVERN
368	OLYMPIC RENTAL SVCE
369	CONSULTING ASSOCS OF W N Y INC
	DEAKIN, MICHAEL D, CPA
	VAL-KRO INC
391	M C W CONSTR INC
	WACHOWICZ, MICHAEL
393	MIRIS CASH & CARRY
400	BOW & STERN MARINE INC
435	RECORD ADVERTISER
	TONAWANDA NEWS CORP
495	BEACHY'S GRILL
507	RED ROSE SALOON
512	EAST PIER MARINA INC
553	ANATOLI'S CAR REPAIR
555	KWIK FILL
	LUMBERJACK PALLET INC-REBUILT
	RECREATIONAL DSTRBTRS WAREHOUSE INC
665	A-Z AUTO SALES
	CENTRAL MINI STORAGE
	FRONTIER AUTO SALES
	TEE OFF DRIVING RANGE
815	MOUSIE'S PLACE
825	KISSEL COUNTRY TIN, GIFTS
830	N TONAWANDA CITY OF-WASTEWATER TREATMENT PLTT
831	KISSEL & SONS SCRAP IRON & METAL CO
871	RIVERSIDE CHEMICAL CO INC
940	JACO CUSTOM GRINDING CORP
	NIABRAZE CORP
1010	NIAGARA RIVER YACHT CLUB
1273	L & M AUTO SALVAGE
2179	FRONTIER VOLUNTEER FIRE CO HALL 22
2242	ELLIOT GEORGE EXCAVTNG
2525	JOHNNY-ON-THE-SPOT
	JOHNNY-ON-THE-SPOT, CHEMICAL TOILETS
2829	MACALUSO ORNAMENTAL ART
	RIVERVIEW FAMILY RESTAURANT

Target Street	Cross Street	Source
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RIVER RD 1995 (Cont'd)

2875	SCHULTZ'S TAVERN
3445	WESTINGHOUSE REMEDIATION SVCS INC
3500	FISCHBACK POWER SVCS INC
3649	PARISO CARMEN M INC, TRUCKING
3670	MID RIVER MARINA INC
3709	CHEMCENTRAL-BUFFALO
3725	HENCO WELDING & FABRICATION
3733	ATLANTIC REFINING & MARKETING CORP
3875	AUSMUS CORPORATION
	TONAWANDA COKE CORP
	TONAWANDA COKE CORP-SALES OFC
3937	SIVACO NEW YORK
4000	A P GREEN INDUSTRIES INC
	GREEN A P INDUSTRIES INC, DIST OFC
	MARATHON OIL CO
	MARATHON PETROLEUM CO
	NIAGARA RIVER WORLD
	SEMMERLING FENCE & SUPL INC
4001	MAZIARZ, LOUIS, AUTO WRCKNG

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAIN ST 1992

21	ELK'S BPOE NO 860
22	PIRSON AUTO PARTS INC
	PRECISION AUTOMOTIVE MACHINE
	TREAD CITY TIRE INC
27	FLANIGAN CHEVROLET INC
	FLANIGAN CHEVROLET INC-EXPRESS PARTS LINE
65	FIRST UNITED METHODIST CHURCH OF NORTH TONAWANDA, STUDY
	WOLTER, GERALD A
68	COMPETITION TRANSMISSION SVCE
	ECONO AUTO BODY & REPAIR
75	ROBERT'S SHOW PLACE INC
	ROWE SHOW PLACE THE
81	MCKENDRICK, CLYDE
	MIDZINSKI, ROBERT
	NOLTEE, DEAN N
	VOGEL, THOMAS
	ZIMMERMAN, MARK
85	TWIN-CITY TRANSMISSION
107	STATE TRUST OFFICE-MARINE MIDLAND BANK WESTERN
126	BOB'S ELECTRONICS
128	KUCINSKI, JOSEPH E
130	NEON DISPLAYS
134	MODERN DESIGN
	NOWE, DOUG
138	BLUHM, VICKI
	LANGEVIN, K K
140	WARREN, J
152	MAC MURTRIE, PETER G
154	MCEACHERN, P
	STEPIEN, CHESTER W
158	BROADWAY HOTEL
	KRZEMINSKI, E
188	ARBEITER, ROBERT
195	RANNEY PRECISION
196	A & R COLLISION
	P & J'S SPEED SHOP
200	AUTO CHEMICAL CO
	KLEEN KAR THE
215	BETTY'S GRILL
250	D & R USED CARS
	FAST LANE SVCE ISLAND
295	RECOMMENDED CHOICE
8112	OUCHIE, CHRISTOPHER
	ZMUDA, KATHI

Target Street	Cross Street	Source
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RIVER RD 1992

1	KORNAKER RICHARD
200	A D M INC
	AMERICAN DESIGN & MANUFACTURING INC
	EAST COAST MACHINERY SALES INC
	HUNTER GEAR
	I G T CO, TOOLS
	PINTO MACHINE
	SPIER MACHINERY CORP
235	METZGER REMOVAL INC
261	TRINITY TOOLS INC
278	BOYER, D J
	CASCIANI, JOHN
	HARVEY, JOHN R
	SCHWARTZ, ALLEN C
	SMITH BOY'S INC
	TAFELSKI, FRED
285	DURKEE MFG CO, KITCHN CABNTS
303	CUSTOMS EXTERIORS CONTRACTING
315	WOODS, DONALD C
321	RUNGE COLLISION
333	GEORGIAN BAY LUMBR CO INC
346	RIVERVIEW TAVERN
368	OLYMPIC RENTAL SVCE
369	CONSULTING ASSOCS
	DEAKIN, MICHAEL D, CPA
	VAL-KRO INC
391	M C W CONSTR INC
	WACHOWICZ, MICHAEL
393	MIRIS CASH & CARRY
394	MISNER, WILLIAM
400	BOW & STERN MARINE INC
411	KUMM, H M
435	INITIAL IMPRESSIONS INC
	RECORD ADVERTISER
	TONAWANDA PUBLSHNG CORP
495	BEACHY'S GRILL
497	DUTTRY, EVERETT A
503	MASICH, D
507	NEAL, D G
	RED ROSE SALOON
512	EAST PIER MARINA INC
553	DELAWARE DISTRIBUTORS
555	KWIK FILL
	LUMBERJACK PALLET INC-REBUILT
	RECREATIONAL DSTRBTRS WAREHOUSE INC
	UNITED MARKETING OF NORTH AMERICA INC
655	RYDER TRUCK RENTAL-ONE-WAY INC-RENTAL LOCATIONS
665	CENTRAL MINI STORAGE
	PATRIOT ELECTRIC CONSTR CO
815	P J'S COUNTRY KITCHEN

RIVER RD 1992 (Cont'd)

815	PLANTER, RONALD
825	KISSEL COUNTRY TIN, GIFTS
830	N TONAWANDA CITY OF-WASTEWATER TREATMENT PLT
831	KISSEL & SONS SCRAP IRON & METAL CO
871	RIVERSIDE CHEMCL CO INC
891	RIVERVIEW AUTOMOTIVE
940	JACO CUSTOM GRINDING CORP
	NIAGARA ABRASIVE TECHNOLOGY CORP
1010	NIAGARA RIVER YACHT CLUB
1273	L & M AUTO SALVAGE
2127	PALMER, ROBERT
2141	LOWMAN, PAUL T
	TURGEON, J A
2157	PYRA, J D
2165	PYRA, THOMAS A
2170	TOLLI, HARRY
2179	FRONTIER VOLUNTEER FIRE CO HALL 2
2180	ELLIOT, J C
2186	HOWARD, D F
2187	KUMM, KENNETH F
2194	GARGAS, JOSEPH A & NANCY S
2202	LANGE, GLENN D
2205	NELSON, CLARK L
2209	HASENSTAB, LAWRENCE M
2242	ELLIOT GEORGE EXCAVTNG
2248	LEWIS, L
2284	COOPER, EDGAR
2320	PALUCH, DOUGLAS
2332	BENNETT, TERRY L
2346	DAMBA, LAWRENCE & DOREEN
2422	VOYKSNER, JOS
2448	DUGUAY, THEODORE J
2457	HOOVER, LARRY
	HOOVER, P
2495	MATTONI, JOSEPH C
2506	YOUNG, ERVAL H
2525	JOHNNY-ON-THE-SPOT
	JOHNNY-ON-THE-SPOT, CHEMICAL TOILETS
2533	PEFFER, JOHN L
2535	FAZZOLARI, FRANK
2829	ORNAMENTAL ART M & F IRONWORKS INC
2867	MONTO, RICHARD
2869	COSS, ROBERT
2875	SCHULTZ'S TAVERN
2923	BLASZYK, J
2925	CALLEA, JOSEPH
	THALER, GERALD E
3500	NIAGARA MECHANICAL CONTRACTORS INC
3601	JOVICICH, STEPHEN
3649	PARISO CARMEN M INC, TRUCKING

Target Street	Cross Street	Source
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RIVER RD 1992 (Cont'd)

3701 ASHLAND CHEMICAL INC SUBSIDIARY OF ASHLAND OIL INC
BIRKE, ROBERT
MID RIVER MARINA INC
3709 CHEMCENTRAL-BUFFALO
3725 TRUCK & REPAIR MOBILE WASH
3733 ATLANTIC REFINING & MARKETING CORP
3875 AUSMUS CORPORATION
TONAWANDA COKE CORP
TONAWANDA COKE CORP-SALES OFC
3937 SIVACO NEW YORK
4000 A P GREEN INDUSTRIES INC
GREEN A P INDUSTRIES INC, DIST OFC
MARATHON PETROLEUM CO
NIAGARA RIVER WORLD
SEMMERLING FENCE & SUPL INC
4001 CLARENCE REDI-MIX CONCRETE CORP DIV CLARENCE MATERIALS CORP
DVIRKA & BARTILUCCI, CNSLTNG ENGR
MAZIARZ, LOUIS, AUTO WRCKNG

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MAIN ST 1989

C·O·M·M·U·N·I·C·A·T·I·O·N·S
INTERNATIONAL

WEST SENECA, N.

◎ HOMEOWNER 164

LYNDALE AV (TT)–Contd
154 Vallely Paul E ◎ 837-4129
157 Wojnarowski Henry F ◎
158 Johnson Elinor J Mrs ◎ 832-9490
159 Talbot Dorothy M Mrs ◎ 836-0805
162 Woods Robt L ◎ 833-1185
166 Brown Geo A ◎ 837-8973
167 Owens Geo G ◎ 836-8499
170 Harb Anton ◎ 834-1077
173 Daniel Paul L ◎ 833-5789
174 Himmelsbach Thos ◎
178 Warko
Caputi Robt J 836-2190
182★Maxick Saml ◎ 836-0696
Terragnoli Larry G 835-6920
190 Vacant
Mobilia Mary C Mrs ◎ 833-6210
FORD AV INTERSECTS

245-A

202 Byers Ronald H ◎ 834-5305
204 Green Edw D ◎ 833-0053
208 Barker Wm S ◎ 833-8615
216 Hughes Glenn T ◎ 838-4543
220 Mesler Harold R 832-5443
224 Hammer Barbara R Mrs ◎ 834-0156
228 Davis Annette M Mrs ◎ 835-9337
234 Laufer Wm E ◎ 832-7410
241 Beck Chas P ◎ 837-8467
242 Ferrini's Advanced Maintenance 836-0340
Ferrini Patk L Jr ◎ 836-0340
249 Blakowski Leonard F ◎ 838-1592
250 Werner Arlene B ◎
258 Steinagle Kath M ◎ 835-8214
264 Laufer Charles G ◎ 835-5941
PAIGE AV INTERSECTS
272 Heintz Ruth H Mrs ◎ 832-1380
275 Spellan Danl L ◎ 832-0645
278 Nicastro Edith E Mrs ◎ 833-7886
279 Bleistein Edson E ◎ 832-3095
281 Zendano Pascal J ◎ 835-6949
285 Brumpton Douglas R ◎ 838-5978
288 Guggemos Robt M ◎ 832-8859
292 Napora Philip D ◎ 837-7312
295 Duewiger Lawrence ◎ 836-2056
296 Mapes Joan R ◎ 834-7569
309 Swain Mildred M Mrs ◎ 835-8752
UNIVERSITY AV ENDS
CHALMERS AV INTERSECTS

288

LYRIC AV (NORTH TONAWANDA) FROM 1500 ERIE AV NORTHWEST TO DEAD END

ZIP CODE 14120
KINGSTON AV INTERSECTS
Saint Albert The Great School Of Religion 694-4540
MELODY LA ENDS

282

MADISON AV (NORTH TONAWANDA)–FROM 163 ZIMMERMAN ST EAST TO DEAD END

ZIP CODE 14120
155 Barberio Dennis J ◎ 692-3673

290

MAIN ST (NORTH TONAWANDA) FROM 84 SWEENEY ST NORTH (FOR CONTINUATION SEE RIVER RD)

ZIP CODE 14120
21 North Tonawanda Elks Club No 860 (B P O E) 693-2225
Social Does (Ladies Auxiliary) organization 633-2225
22 Main Engine Rebuilders mach 692-1084
Pirson Auto Parts Inc 692-6000
27 Flanigan Chevrolet Inc sls & serv 693-8600
Flanigan Chevrolet Inc (Parts Dept) auto parts 693-8600
Flanigan Chevrolet Inc sls used cars 693-8600
34 Flanigan Chevrolet Trucks Inc sls 693-8600
TREMONT ST INTERSECTS
64 Am Fi Automotive (Addl Sp)
65 First United Methodist Church 694-2456
68 Am Fi Automotive auto spray & repr 692-5055
75 Roberts Furniture Show Place 693-1255
81 Apartments
1★Noltee Dean
2★Gates B
3★Price Patricia A
4 Barnaby Cindy T 694-6760
5 Vacant
6 Vacant
7 Vacant
81½ Niagara Power mach parts sls
82 Vacant
84 Vacant
85 Twin City Transmissions auto repr 694-4995
86 Vacant
GOUNDRY ST INTERSECTS
105 Murray's Furniture & Appliances hsehold 693-6100
107 Marine Midland Bank 693-8350
126 Bob's TV & Stereo Serv 694-8872
128 Kucinski Joseph E ◎ 694-3411
130 Neon Displays neon sign displays 692-9279
134 Modern Design kitch cabts mfg 692-5627
Conti David J
138 Warda Helen A Mrs ◎ 694-6927
138½ Mc Mullen Carol B Mrs
139 Noco Gas Station Main & Webster 692-0777
140 Main Street Flea Market 692-7885
★Dafoe Clifford
★Soock Anthony
152 Lickers Wm H
Rear Vacant
154 Vacant
158 Broadway Hotel 692-9810
Krzeminski Alex ◎ 692-9810
ISLAND ST ENDS
180 Vacant
CORNAIL CROSSES
187 Hubman Cement Burial Vault Co Inc 693-5220
188 Vacant
190 Vacant
197 Morgan Packaging Of Niagara Falls Inc pallets & reels mfg 693-6528
THOMPSON ST BEGINS

273

THOMPSON ST INTERSECTS
200 Kleen Kar Center The car detailers 694-1164
215 Betty's Grill 693-6422
217 Guay Irmgard Mrs ◎
250 Fast Lane Service Island Inc auto repr 692-2250
D & R Used Cars 692-2250
261 Trinity Tools Inc tool & machinery mfg 694-1111
275 Vacant
285 Durkee Manufacturing Co cabts 695-1620
Vacant
295 Brady Electric elec contr 693-0404
Fast Lane Serv (Body Shop)
J & B Tackle ret fishing sup 694-7335
Vacant
Rear Modern Woodcraft cabtmkrs 693-2243
RIVER RD INTERSECTS

MAIN S
TONA
CITY

ZIP CO
2 Gutt J 692-84
2a Mark
4 Marine
N NIAC
S NIAC
YOUNG
5 Tonawa
104 Ste
201 Ne
202 Ha
203 Su
204 Jar
205 Ha
206 Kc
207 Mu
208 Tit
209 Ha
210 Bu
301 Ba
302 Ca
303 Ja
304 Ev
305 Gr
306 Mu
307 Pl
308 Mi
309★Sc
310★Cl
401 Ki
402 Re
403 Mi
404 Ha
405 Pe
406 Tr
407 W
408 Re
409 Ha
410 Ve
501 Az
502★R
503 Sy
504 Gl
505 Dc
506 Fu
507 Sr
508 Rc
509 M
510 Dl
601 Cc
602 Tl
603 Sc
604★R
605 Kc
606 W
607 M
608 Li
609 Tc
610★T
701 Gr
702 H
703 Fc
704 W
705 Nc
706 M
707★C
708★T
709 Ba
710 Sa
801 H
802 Le
803 La
804 Pa
805 Cl
806 Rc
807 Si
808 G
809 M
810★H

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RIVER RD 1989

W RIVER PKWY (GI)–Contd
2039 Vacant
2065★Corser Howard ◎ 773-6395
2081★Long Karl F ◎ 773-4053
2095★Lochte Geo ◎ 773-4847
2101★Dokerty Glen E
2107★Merletti E Lee ◎ 773-4661
2117★Sciandra Keith C ◎
2127★Oetinger Donald O ◎ 773-1554
2155★Watson David ◎ 773-7229
2159★Minervino Louis P ◎ 773-1106
2171★Pax John H ◎ 773-3720
2181★Maurer Kenneth H ◎ 773-5839
2183★Lewis Kenneth E ◎ 773-7727
2187★Mc Donough Michl ◎
2197★Carter Harrison V 773-4330
2205★Flaherty Thos P ◎
2217★Jarzynecki Michl J ◎ 773-6637
2227★Akinbami Saml O ◎ 773-6286
2235★Cowden Ford F ◎ 773-2367
2245★Knoche Robt W 773-7496
2255★Charlton Lloyd E ◎ 773-2790
2267★De Martin Everett E ◎ 773-7763
2273★Killian Fredk J ◎ 773-4813
2297 Vacant
2339 West River Restaurant & Lounge 773-4800
STAYLEE RD ENDS
2409★Moscati Ronald M ◎ 773-2686
2413★Potter Mildred K 773-3713
★Potter Wm R 773-4922
2425★Campbell Ronald R ◎ 773-1088
2435★Vonwilpertbiekski J 773-7801
2439★Waechter Harold P ◎ 773-5686
2443★Craig Donald B 773-6798
2453★Rogers Lawrence J 773-6010
2459★Komin Stanley 773-7588
2463★Hildebrandt Theo ◎ 773-1858
2479★Ballentine James ◎ 773-5053
2487★Fage S Francis ◎ 773-4611
2497★Buscaglia Anthony B ◎ 773-5290
2511★Mailloux Geo ◎
2535★Swarts Donald E ◎ 773-7385
2547★Pinzotti Rubina P Mrs ◎ 773-4866
2571★Rores Theo J ◎
2573★Bodkin Robt ◎
2601★Takats
2633★Sanke Garey S ◎ 773-1913
2643★Sheehan Thos P ◎
2653★Watkinson Andrew J ◎ 773-6113
2715★Long Saml D chiropractor 773-2884
2731★Fitzgerald James E ◎ 773-7964
2747★Rogers James ◎
2755★Norwalk Jean Mrs ◎ 773-4707
2763★Beach Robt D ◎ 773-4960
2773★Chase Gordon E ◎ 773-5268
2783★Tomkins James ◎ 773-5495
2811★Gracinski Kenneth D ◎
2835 Under Constn
2837★Verost Joseph L ◎
2865★Amenica Carmelo S ◎ 773-5495
WHITEHAVEN RD BEGINS

293

Buckhorn State Park
Nia County Water Dist (Lift Pumping Sta)
2985★Stansfield Byron B ◎ 773-3252
BEDELL RD ENDS
N Y S THRUWAY ENTRANCE & EXIT

271

RIVER RD (NORTH TONAWANDA) FROM TONAWANDA CREEK NORTH 1 EAST OF NIAGARA RIVER

ZIP CODE 14120
BOND ST ENDS
GOUNDRY ST BEGINS
ISLAND ST INTERSECTS
CONRAIL CROSSES
200 Spier Machinery Corp 694-4711
THOMPSON ST BEGINS
THOMPSON ST EXTENSION BEGINS
278 Smith Boys Inc marine sls 695-3472
MAIN ST ENDS

273

296 Smith Boys Inc (Addl Space)
315 Woods Donald C ◎ 694-0610
321 East River Auto Inc used car sls & serv-auto repr 692-1724
333 Georgian Bay Lumber Co Inc 692-1818
346 Riverview Tavern 692-9556
368 Olympic Rental Service 694-8300
369 Val-Kro Inc industrial chrome plating 694-5001
ROBINSON ST BEGINS
391 Miris Cash & Carry lbr-ret 694-9069
M C W Construction genl contr 694-0456
394 Misner Wm Boat Repair 694-7196
Misner Wm ◎
400 Bow & Stern Marine Inc boat sls & serv 692-2316
411 Kumm H M 693-1330
435 Tonawanda Publishing Corp 693-1000
Tonawanda News 693-1000
SOMMER ST BEGINS
451 Vacant
495 Beachy's Grill restr 692-9879
495½ Vacant
497 Duttry Everett A ◎ 694-9584
500 Vacant
501 Vacant
503 Davis
Vacant
507 Vacant
WHEATFIELD ST BEGINS

277

516 Lockport Water Works pumping sta 693-1132
533 Vacant
550 State Off Track Betting
553 Delaware Distributors new & used ofc furn 693-1086
555 Kwik Fill gas sta 693-1183
Recreation Distributors Warehouse Inc recreation equip sls 692-1234
559 Recreational Distrs Whse (Propane Tank Refilling) 692-1234
605 P J 's Country Kitchen restr 692-1538
Vacant
650 Niagara Clipper Dinner Cruises restr 856-6696
665 Central Mini-Storage
GRATWICK SLIP ENDS
765 Roberts Show Place (Whse) 693-1424
Murray's Furniture & Appliance Inc (Whse) 693-1464
815 Laidlaw School Transit Inc (Br Ofc) 694-7281
Twin City Fuel Inc bottled gas 694-0079
Droz Enterprises Inc swimming pool equip sups 695-0079
825 Kissel Country Tin gifts 692-0052
830 N T City Waste Water Treatment Plant 695-8560
831 Kissel & Sons Scrap Iron & Metal Co 692-5865
845 Kylback's Construction Inc genl contr 681-1600
871 Riverside Chemical Co Inc chem whol 692-1350
890 Vacant
891 Minuteman Auto repr 693-0031
900 Vacant
FREDERICKA ST BEGINS
940 E E C Distributors Inc ice mach distr 693-3970
Montgomery Heating Inc instl htg & air condt equip 694-0940
FELTON ST BEGINS

277-B

1000 Niagara River Yacht Club 692-9676
North Tonawanda Fisherman Park
WASHINGTON ST BEGINS
WARD RD BEGINS
WITMER RD BEGINS
TOWN OF WHEATFIELD BEGINS

222

RIVER RD (TOWN OF TONAWANDA)–FROM NIAGARA ST NORTH TO S NIAGARA ST AT TONAWANDA CITY LIMITS

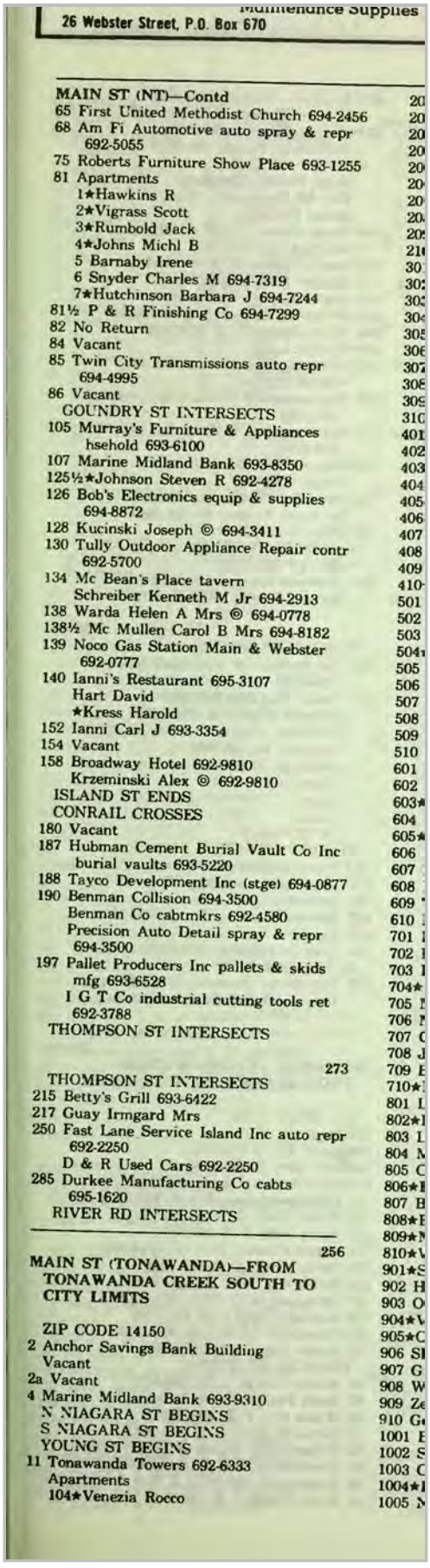
ZIP CODE 14150
Chevrolet Pontiac Canada Group Ton Eng Plant (div g m c) 879-5000

223

Town Of T
Plant 877-
3439 Erie C
Sta)
3445 Polyme
resin
CONRAIL
3500 Niagar
(Hunt
SAWYER
3601 Jovicic
3613 Vacant
KAUFMAI
JAMES A'
3649 Pariso
875-6
3670 Mid Ri
Mid Ri
875-7
3701 Ashlan
Ashla
873-2
3709 Chem
3733 Atlanti
cente
3750 Erie C
873-8
3755 Sun O
877-7
3821 Vacant
3841 Vacant
3875 Tonaw
3937 New Y
3941 Capitol
Capit
sup 8
4000 Niagar
Cojay
877-9
Maratl
Green
Gibralt
4020 Claren
Of Cl
Claren
876-8
4111 I N S
Equip
4363 Noco
4365 Eric P
proce
4400 Con-W
87-51
4425 Carolir
876-3
4442 Vacant
4444 Marina
livery
Pier P
repr
Captai
GRAND IS
GRAND IS
NEW YOR
OFF RAM
4545 Frontie
873-9
Ashlan
879-8
Allied
Co) 8
4635 Agway
4700 Lakehe
4825 Niagar
Tonaw
transl
Lefler
875-8
4885 Consoli
874-4
5335 Erie P
Sp)
Reactic
875-4
5555 P I E
TONAWA

Target Street	Cross Street	Source
✓	-	Polk's City Directory

MAIN ST 1985



Maintenance Supplies
26 Webster Street, P.O. Box 670

MAIN ST (NT)—Contd
65 First United Methodist Church 694-2456
68 Am Fi Automotive auto spray & repr 692-5055
75 Roberts Furniture Show Place 693-1255
81 Apartments
1★Hawkins R
2★Vigrass Scott
3★Rumbold Jack
4★Johns Michl B
5 Barnaby Irene
6 Snyder Charles M 694-7319
7★Hutchinson Barbara J 694-7244
81½ P & R Finishing Co 694-7299
82 No Return
84 Vacant
85 Twin City Transmissions auto repr 694-4995
86 Vacant
GOUNDRY ST INTERSECTS
105 Murray's Furniture & Appliances hsehold 693-6100
107 Marine Midland Bank 693-8350
125½★Johnson Steven R 692-4278
126 Bob's Electronics equip & supplies 694-8872
128 Kucinski Joseph © 694-3411
130 Tully Outdoor Appliance Repair contr 692-5700
134 Mc Bean's Place tavern
Schreiber Kenneth M Jr 694-2913
138 Warda Helen A Mrs © 694-0778
138½ Mc Mullen Carol B Mrs 694-8182
139 Noco Gas Station Main & Webster 692-0777
140 Ianni's Restaurant 695-3107
Hart David
★Kress Harold
152 Ianni Carl J 693-3354
154 Vacant
158 Broadway Hotel 692-9810
Krzeminski Alex © 692-9810
ISLAND ST ENDS
CONRAIL CROSSES
180 Vacant
187 Hubman Cement Burial Vault Co Inc burial vaults 693-5220
188 Tayco Development Inc (stge) 694-0877
190 Benman Collision 694-3500
Benman Co cabtmkrs 692-4580
Precision Auto Detail spray & repr 694-3500
197 Pallet Producers Inc pallets & skids mfg 693-6528
I G T Co industrial cutting tools ret 692-3788
THOMPSON ST INTERSECTS

273

THOMPSON ST INTERSECTS
215 Betty's Grill 693-6422
217 Guay Irmgard Mrs
250 Fast Lane Service Island Inc auto repr 692-2250
D & R Used Cars 692-2250
285 Durkee Manufacturing Co cabts 695-1620
RIVER RD INTERSECTS

256

MAIN ST (TONAWANDA)—FROM TONAWANDA CREEK SOUTH TO CITY LIMITS

ZIP CODE 14150
2 Anchor Savings Bank Building
Vacant
2a Vacant
4 Marine Midland Bank 693-9310
N NIAGARA ST BEGINS
S NIAGARA ST BEGINS
YOUNG ST BEGINS
11 Tonawanda Towers 692-6333
Apartments
104★Venezia Rocco

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RIVER RD 1985

Machinery Rigging

RITCHIE AV (TT)—Contd
66 Vacant
67★Clark Donna L
68★Daniels Michl A © 873-4520
69 Vacant
70 Murray Victor H © 876-8990
71★Moeller Carl W Jr 873-3080
72 Thompson Kenneth E © 874-0294
73 Gizzi Martha L Mrs ©

271

RIVER RD (NORTH TONAWANDA)
FROM TONAWANDA CREEK NORTH
1 EAST OF NIAGARA RIVER

ZIP CODE 14120
BOND ST ENDS
GOUNDRY ST BEGINS
ISLAND ST INTERSECTS
CONRAIL CROSSES
200 Spier Machinery 694-4711
THOMPSON ST BEGINS
261 Trinity Tools Inc 694-1111
THOMPSON ST EXTENSION BEGINS
278 Smith Boys Inc marine sls 695-3472
MAIN ST ENDS

273

295 River Road Lumber Co Inc 693-2111
296 Smith Boys Inc (Addl Space)
315 Woods Donald C © 694-0610
321½ Shipley Karen
321 East River Auto Inc used car sls & serv-auto repr 692-1724
333 Georgian Bay Lumber Co Inc 692-1818
346 Riverview Tavern 692-9556
368 Olympic Rental Service 694-8300
369 Val-Kro Inc industrial chrome plating 694-5001
ROBINSON ST BEGINS
391 Miris Cash & Carry bldg sup 694-9069
M C W Construction 694-0456
394 Misner Wm Boat Repair 694-7196
Misner Wm
400 Bow & Stern Marine Inc boat sls & serv 692-2316
411★Jenneve Danl F
435 Tonawanda Publishing Corp 693-1000
Initial Impressions Inc offset prntr 693-2900
Tonawanda News 693-1000
SOMMER ST BEGINS
451 Cramer Industrial Supplies Inc (Warehouse)
495 Beachy's Grill restr 692-9879
★Simmons Laura
495½★Borkowski Richd
497 Duttry Everett A © 694-9584
500 Allen Marine Services Inc constn & diving serv 693-7037
501 Vacant
503 Sarzyniak Marie J Mrs © 693-7117
Gilpatrick Timothy
507 Pasco's Restaurant 694-3293
WHEATFIELD ST BEGINS

277

516 Lockport Water Works pumping sta 693-1132
553 R & S Automotive auto repr 695-0614
555 Bi-Lo Gas Station 693-1183
Recreation Distributors Warehouse Inc recreation equip sls 692-1234
559 Lisco Propane bottled gas 694-0079
Vacant
605 Rapid Transport Inc hydraulic press mfrs 692-8637
Smith Boy's Marina (Stge)
665 Vacant
GRATWICK SLIP ENDS
815 Travelways sch bus transp 694-7281
Burgess Motor Inc auto used 694-0856
Woodwarmth stoves & acces 693-0118
Hanes Jack Building & Remodeling 693-0870

825 H
H
830 N
831 R
845 N
860 V
871 R
890 V
891 M
900 V
FRE
940 K
FEL
1000 I
WA
WA
WIT
CIT
TOV
RIVE
FRO
NIA
CIT
ZIP
Chev
Plan
Gene
879-
Town
Plan
3439 E
3445 F
CON
3500 M
SAW
3601 J
3613 F
T
KAU
JAM
3649 F
3670 F
3701 A
3709 C
3733 A
3750 E
3755 S
3821 V
3841 V
3875 T
3937 N
3941 C
4000 R
I
M
G
R
4020 C

Target Street	Cross Street	Source
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MAIN ST 1981

LYNDALE AV (TT)—Contd
Johnson Bernard
182 Scavone Sara D Mrs ◎ 833-8004
Aguglia Michl F
190 Jefferson Shoe Repair
Mobilia Mary L Mrs 833-4286
Mobilia Carl R ◎ 833-6210
FORD AV INTERSECTS
202 Byers Ronald H ◎ 834-5305
204 Green Edw D ◎ 833-0053
208 Barker Wm F ◎ 833-8615
216 O'Day Carolyn J Mrs ◎ 837-5204
220 Mesler Robt ◎ 832-5443
224 Hammer Leonard ◎ 834-0156
228 Davis Annette M Mrs ◎
234 Laufer Wm E ◎ 832-7410
241 Beck Charles P ◎ 837-8467
242 Ferrini's Advanced Maintenance 836-0340
Ferrini Patk L ◎ 836-0340
249 Blakowski Leonard ◎ 838-1592
250 Werner Hannah F Mrs ◎ 835-2443
258 Steinagle Cath ◎ 835-8214
264 Laufer Charles G ◎ 835-5941
PAIGE AV INTERSECTS
272 Heintz Joseph D ◎ 832-1380
275 Peperone E Joseph ◎ 836-8505
278 Nicastro Salvatore J ◎ 833-7886
279 Bleistein Edson ◎ 832-3095
281 Zendano Pascal J ◎ 835-0657
285 Brumpton Douglas R ◎ 838-5978
288 Guggemos Robt M ◎ 832-8859
292 Barrett Thos E
295 Duewiger Lawrence ◎ 836-2056
296 Mapes Joan ◎ 834-7569
309 Swain Mildred M Mrs ◎ 835-8752
UNIVERSITY AV ENDS
CHALMERS AV INTERSECTS

288

LYRIC AV (NORTH TONAWANDA) FROM 1500 ERIE AV NORTHWEST

ZIP CODE 14120
KINGSTON AV INTERSECTS
Saint Albert The Great School Of Religion 694-4540
MELODY LA INTERSECTS

282

MADISON AV (NORTH TONAWANDA)—FROM 163 ZIMMERMAN ST EAST

ZIP CODE 14120
155 Barberio Dennis J ◎ 692-3673

290

MAIN ST (NORTH TONAWANDA) FROM 84 SWEENEY ST NORTH (FOR CONTINUATION SEE RIVER RD)

ZIP CODE 14120
21 North Tonawanda Elks Club No 860 (B P O E) 693-2225
22 Main Engine Rebuilders auto repr 692-1084
Pirson Auto Parts Inc auto accessories & parts 692-6000
27 Basil Joe Chevrolet Inc sls & serv 693-8600
34 Basil Joe Chev Trucks truck sls 693-8600
TREMONT ST INTERSECTS
64 Basil Joe Chevrolet Inc body repr 693-8600
65 First United Methodist Church 694-2456
75 Lenox Furniture Corp 693-5881
81 Bob's Janitorial Service 695-2917
Apartments
1 Hutchinson Barbara J
2★Skinner Patricia
3 Draffin Doris I Mrs
4 Swank Robt L
5★Burgess Valerie
6 Hartman Olive M Mrs 693-0880
7 Pachla Matthew 694-4087
81½ P & R Furniture Refinshing 692-7961
82 Vacant
84 Vacant
85 Twin City Service Inc auto repr 694-4995
86 Vacant
GOUNDRY ST INTERSECTS
105 Murray's Furniture & Appliances hsehold 693-6100
107 Marine Midland Bank 693-8350
126 Bob's Electronics equip & supplies 694-8872
128 Kucinski Joseph 694-3411
130 Tully Outdoor Appliance Repair contr 692-5700
134 Vacant
Vacant
138 Bricklayers Local 49 692-9355
Warda Helen Mrs ◎ 694-0778
138½ Mc Mullen Carol B Mrs
139 Agway Gas Station Main & Webster 692-0777
140 Ianni's Restaurant restr 692-9520
Baughman Hazel J
152 Entertainer The tavern
154 Crapo Lester
158 Broadway Hotel 692-9810
Krzeminski Alex ◎ 692-9810
Vacant
ISLAND ST ENDS
CONRAIL CROSSES
180 Slenk Heating & Air Conditioning 695-2423
187 Hubman Cement Burial Vault Co Inc burial vaults 693-5220
188 Tayco Development Inc (stge)
190 Twin City Ceramic Supplies 692-0064
Benman Co cabt mkr 692-4580
197 Pallet Producers Inc pallets & skids mfg 693-6528
I G T Co industrial cutting tools ret 692-3788

273

THOMPSON ST INTERSECTS
215 Betty's Grill 692-9721
Vacant
217 Guay Irmgard Mrs
250 Rock Hambleton Oil Corp gas sta 692-9742
285 Durkee Manufacturing Co cabts 695-1620
RIVER RD INTERSECTS

256

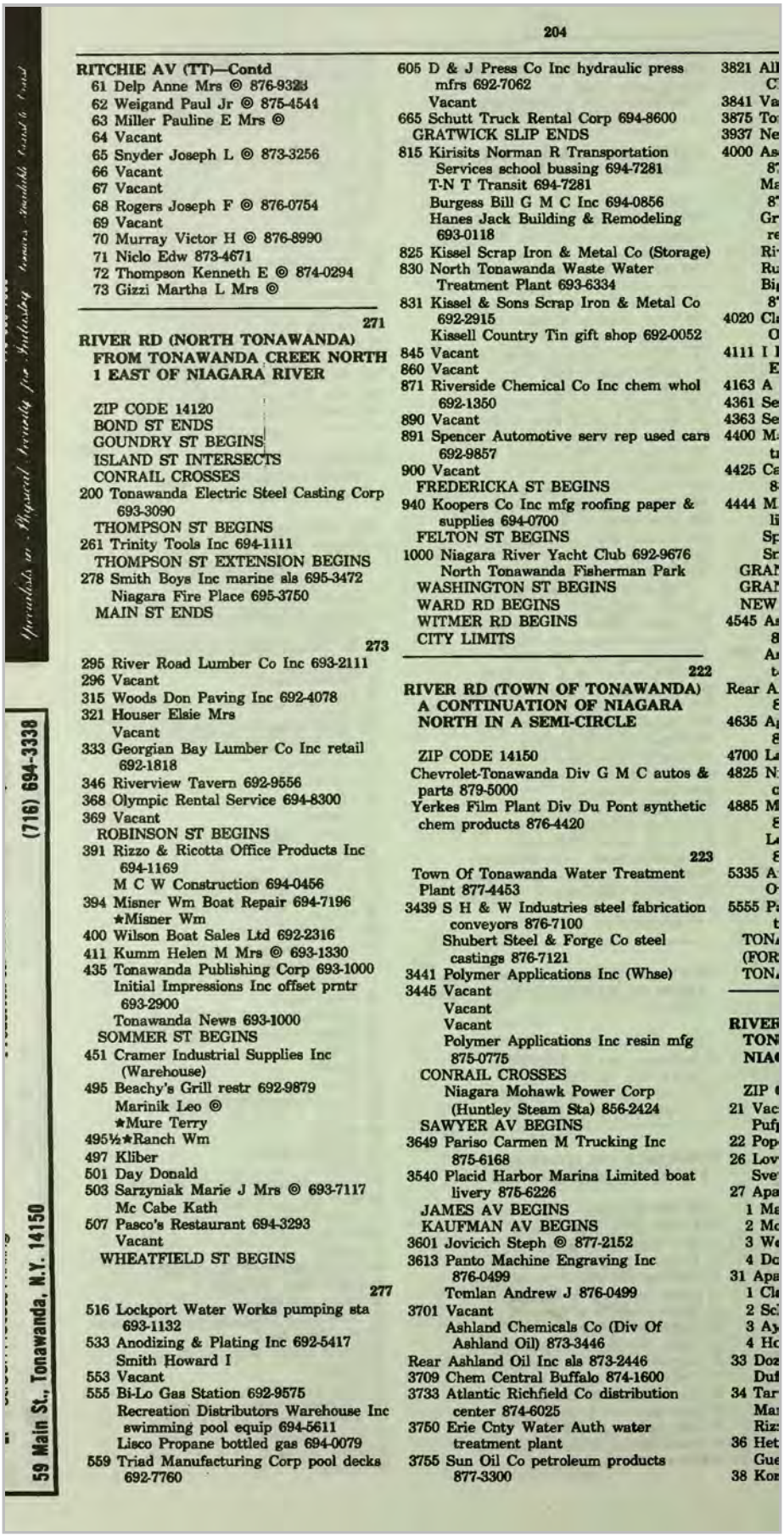
MAIN ST (TONAWANDA)—FROM TONAWANDA CREEK SOUTH TO CITY LIMITS

ZIP CODE 14150
2 Niagara First Savings & Loan Building
1st Fl Niagara First Savings & Loan Association 693-0950
2a Baldwin W La Verne lwyr 693-1128
Mago Bernard A lwyr 693-1129
4 Marine Midland Bank 693-9310
N NIAGARA ST BEGINS
S NIAGARA ST BEGINS
YOUNG ST BEGINS
11 Vacant
13 Bedell's Coffee Shop 695-1681
Wolf John H dentist 693-3798
17 Koenig Building
Vacant
19 Certified Finance Co Inc (Br) 693-5440
Bern's Children Shop Ltd clo 693-2128
20 Realty World Realty One 694-5800
Schnell & Salmon 693-0070
Humphrey & Vandervoort 692-0034
21 Liberty Shoes 692-0418
Owens & Owens lwyr 692-6530
27 Morris 692-2
35 Senior Rm)
37 Vacan
ADAM
40 Parsor 692-3
43 D J's
44 Parsor
45 E M I
46 Hilbur
47 Six Tc
48 Vacan
49 Kahn's Inc m
50 Vacan Apartr
1 Vacan
51 N Y S
52 Metcal 695-2
Cipriar
54 Neighb Vacan
55 New Y Serv
U S N
U S M
U S A
U S A
56 Europe Christy
57 Vacant
58 Cipriar ★Cipri
59 Elite D
60 Americ No 26
Tonawa (Wom
Tonawa Legio
61 Vacant
61½ Vaca
63 Vacant
66 Albert
BROAD
67 Stroehr (Br) b
71 Colloso
73 Circle
74 Newma
75 Vacant
82 Styles
88 Vacant
Langen
90 Dick's
MORGA
GROVE
98 Eddie's Brieten
100 Downt
102 Vacan ★Brier
113 Histor Inc 6
114 Walter
FLETCH

SEYMOU
124 Vacant
128 Button Knopf
129 Pohrte 692-9
135 Main
140 Old Ch refini
143 No Re
145 Bryan'
146 Apartn
1 Spies
2★Lang

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1981



RITCHIE AV (TT)—Contd
61 Delp Anne Mrs ◎ 876-9328
62 Weigand Paul Jr ◎ 875-4544
63 Miller Pauline E Mrs ◎
64 Vacant
65 Snyder Joseph L ◎ 873-3256
66 Vacant
67 Vacant
68 Rogers Joseph F ◎ 876-0754
69 Vacant
70 Murray Victor H ◎ 876-8990
71 Niclo Edw 873-4671
72 Thompson Kenneth E ◎ 874-0294
73 Gizzi Martha L Mrs ◎

271

RIVER RD (NORTH TONAWANDA) FROM TONAWANDA CREEK NORTH 1 EAST OF NIAGARA RIVER

ZIP CODE 14120
BOND ST ENDS
GOUNDRY ST BEGINS
ISLAND ST INTERSECTS
CONRAIL CROSSES
200 Tonawanda Electric Steel Casting Corp 693-3090
THOMPSON ST BEGINS
261 Trinity Tools Inc 694-1111
THOMPSON ST EXTENSION BEGINS
278 Smith Boys Inc marine als 695-3472
Niagara Fire Place 695-3750
MAIN ST ENDS

273

295 River Road Lumber Co Inc 693-2111
296 Vacant
315 Woods Don Paving Inc 692-4078
321 Houser Elsie Mrs
Vacant
333 Georgian Bay Lumber Co Inc retail 692-1818
346 Riverview Tavern 692-9556
368 Olympic Rental Service 694-8300
369 Vacant
ROBINSON ST BEGINS
391 Rizzo & Ricotta Office Products Inc 694-1169
M C W Construction 694-0456
394 Misner Wm Boat Repair 694-7196
★Misner Wm
400 Wilson Boat Sales Ltd 692-2316
411 Kumm Helen M Mrs ◎ 693-1330
435 Tonawanda Publishing Corp 693-1000
Initial Impressions Inc offset prntr 693-2900
Tonawanda News 693-1000
SOMMER ST BEGINS
451 Cramer Industrial Supplies Inc (Warehouse)
495 Beachy's Grill restr 692-9879
Marinik Leo ◎
★Mure Terry
495½★Ranch Wm
497 Kliber
501 Day Donald
503 Sarzyniak Marie J Mrs ◎ 693-7117
Mc Cabe Kath
507 Pasco's Restaurant 694-3293
Vacant
WHEATFIELD ST BEGINS

277

516 Lockport Water Works pumping sta 693-1132
533 Anodizing & Plating Inc 692-5417
Smith Howard I
553 Vacant
555 Bi-Lo Gas Station 692-9575
Recreation Distributors Warehouse Inc swimming pool equip 694-5611
Lisco Propane bottled gas 694-0079
559 Triad Manufacturing Corp pool decks 692-7760
605 D & J Press Co Inc hydraulic press mfrs 692-7062
Vacant
665 Schutt Truck Rental Corp 694-8600
GRATWICK SLIP ENDS
815 Kirisits Norman R Transportation Services school bussing 694-7281
T-N T Transit 694-7281
Burgess Bill G M C Inc 694-0856
Hanes Jack Building & Remodeling 693-0118
825 Kissel Scrap Iron & Metal Co (Storage)
830 North Tonawanda Waste Water Treatment Plant 693-6334
831 Kissel & Sons Scrap Iron & Metal Co 692-2915
Kissell Country Tin gift shop 692-0052
845 Vacant
860 Vacant
871 Riverside Chemical Co Inc chem whol 692-1350
890 Vacant
891 Spencer Automotive serv rep used cars 692-9857
900 Vacant
FREDERICKA ST BEGINS
940 Koopers Co Inc mfg roofing paper & supplies 694-0700
FELTON ST BEGINS
1000 Niagara River Yacht Club 692-9676
North Tonawanda Fisherman Park
WASHINGTON ST BEGINS
WARD RD BEGINS
WITMER RD BEGINS
CITY LIMITS

222

RIVER RD (TOWN OF TONAWANDA) A CONTINUATION OF NIAGARA NORTH IN A SEMI-CIRCLE

ZIP CODE 14150
Chevrolet-Tonawanda Div G M C autos & parts 879-5000
Yerkes Film Plant Div Du Pont synthetic chem products 876-4420

223

Town Of Tonawanda Water Treatment Plant 877-4453
3439 S H & W Industries steel fabrication conveyors 876-7100
Shubert Steel & Forge Co steel castings 876-7121
3441 Polymer Applications Inc (Whse)
3445 Vacant
Vacant
Vacant
Polymer Applications Inc resin mfg 875-0775
CONRAIL CROSSES
Niagara Mohawk Power Corp (Huntley Steam Sta) 856-2424
SAWYER AV BEGINS
3649 Pariso Carmen M Trucking Inc 875-6168
3540 Placid Harbor Marina Limited boat livery 875-6226
JAMES AV BEGINS
KAUFMAN AV BEGINS
3601 Jovicich Steph ◎ 877-2152
3613 Panto Machine Engraving Inc 876-0499
Tomlan Andrew J 876-0499
3701 Vacant
Ashland Chemicals Co (Div Of Ashland Oil) 873-3446
Rear Ashland Oil Inc als 873-2446
3709 Chem Central Buffalo 874-1600
3733 Atlantic Richfield Co distribution center 874-6025
3750 Erie Cnty Water Auth water treatment plant
3755 Sun Oil Co petroleum products 877-3300
3821 All C
3841 Va
3875 To
3937 Ne
4000 As 8
Ma 8
Gr re
Ri Ru Bi 8
4020 Cl C
4111 I E
4163 A
4361 Se
4363 Se
4400 M ti
4425 Ca 8
4444 M li Sp Sr
GRA GRA NEW
4545 A 8 A t
Rear A 8
4635 A 8
4700 La
4825 N c
4885 M 8 La 8
5335 A O
5555 P t
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RIVER TON NIA

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22 Pop
26 Lov Sve
27 Apa
1 Ma
2 Mc
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4 Do
31 Apa
1 Cl
2 Sc
3 Ay
4 Ho
33 Doz Duf
34 Tar Ma Riz
36 Het Gue
38 Kor

Target Street	Cross Street	Source
✓	-	Polk's City Directory

MAIN ST 1976

ZIP CODE 14120
155 Barberio Dennis J © 692-3673

4

MAIN ST (NORTH TONAWANDA)
FROM 84 SWEENEY ST NORTH (FOR CONTINUATION SEE RIVER RD)

ZIP CODE 14120
21 North Tonawanda Elks Club No 860 (B P O E) 693-2225
22 Main Engine Rebuilders 692-1084
Pirson Auto Parts Inc auto accessories & parts 692-6000
27 Basil Joe Chevrolet Inc sls & serv 693-8600
34 Basil Joe Chev (Trucks) truck sls
TREMONT ST INTERSECTS
64 Basil Joe Chevrolet Inc (Body Repr Shop) 693-8600
65 First United Methodist Church 694-2456
75 Lenox Furniture Corp 693-5881
Irr Plumbing Supply
81 Vacant
Apartments
1 Hutchinson Barbara J
2★Smith Eva L
3 Draffin Doris I Mrs
4 Reichard Howard
5★Kamali Shahram
6 Hartman Olive M Mrs 693-0880
7★Fritz Ella 694-4087
81½ Garland Pre School Center nursery 694-1617
82 Clinton Instruments Inc (Rear Ent)
84 Clinton Instruments Inc (Rear Entrance)
85 Twin City Service Inc auto repr 694-4995
86 Vacant
GOUNDRY ST INTERSECTS
105 Murray's Furniture & Appliances 693-6100
107 Marine Midland Bank 693-8100
126 Bob's Electronics 694-8872
128 Vacant
130 Conway Gene Motorcycles 694-3076
134 Vacant

Target Street	Cross Street	Source
✓	-	Polk's City Directory

MAIN ST 1976

MAIN ST (NT)—Contd
Vacant
138 New Faces furn uphol 694-7774
Warda Helen Mrs © 694-0778
138½ Mc Mullen Carol B
139 Presto Flite Inc gas sta 692-9808
140 C & L Lounge restr 692-9520
Vacant
Barlow Ralph
152 Main Hotel & Grill 692-9741
Siezega Frank J furn rms 692-9741
154★Guay Irmgard Mrs
158 Broadway Hotel 692-9810
Krzeminski Alex © 692-4859
ISLAND ST ENDS
CONRAIL CROSSES
180 Slenk Heating & Air Conditioning 695-2423
187 Hubman Cement Burial Vault Co Inc 693-5220
188 Tayco Development Inc patent research consultants 694-0877
Vacant
190 Benman Co cabt mkr 692-4580
197 Esco Lumber Inc 692-3740

8

THOMPSON ST INTERSECTS
215 Betty's Grill 692-9721
Vacant
217★Stark Saml J
250 Rock Hambleton Oil Corp gas sta 692-9742
261 Trinity Tools Inc mfrs 694-1111
285 Vacant
Durkee Manufacturing Co cabts 695-1620
RIVER RD INTERSECTS

3

MAIN ST (TONAWANDA)—FROM TONAWANDA CREEK SOUTH TO CITY

47 Six To
48 Bernie
49 Kahn'
Inc n
50 Scott
Apart
1 Wick
2 Alstr
3★Mas
4★Hud
52★Cipri
54 Electr
Vacan
Vacan
55 New
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56 Town
Ball
57 Vacan
58 Cipri
★Mill
59 Vacan
60 Amer
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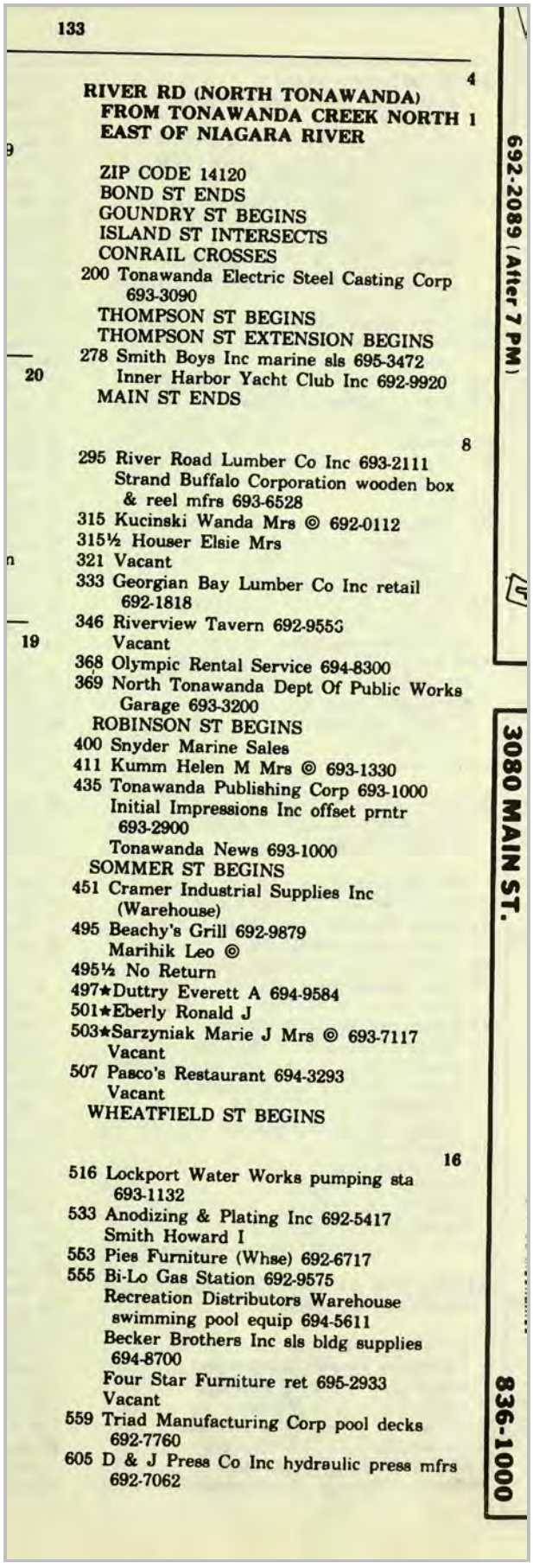
61 Vaca
61½ Va
63 Foste
Cen
66 Spid
BROA
67 Stroe
bak
71 Sam

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1976



133

RIVER RD (NORTH TONAWANDA)
FROM TONAWANDA CREEK NORTH
EAST OF NIAGARA RIVER

ZIP CODE 14120
BOND ST ENDS
GOUNDRY ST BEGINS
ISLAND ST INTERSECTS
CONRAIL CROSSES
200 Tonawanda Electric Steel Casting Corp 693-3090
THOMPSON ST BEGINS
THOMPSON ST EXTENSION BEGINS
278 Smith Boys Inc marine sls 695-3472
Inner Harbor Yacht Club Inc 692-9920
MAIN ST ENDS

295 River Road Lumber Co Inc 693-2111
Strand Buffalo Corporation wooden box & reel mfrs 693-6528
315 Kucinski Wanda Mrs © 692-0112
315½ Houser Elsie Mrs
321 Vacant
333 Georgian Bay Lumber Co Inc retail 692-1818
346 Riverview Tavern 692-9553
Vacant
368 Olympic Rental Service 694-8300
369 North Tonawanda Dept Of Public Works Garage 693-3200
ROBINSON ST BEGINS
400 Snyder Marine Sales
411 Kumm Helen M Mrs © 693-1330
435 Tonawanda Publishing Corp 693-1000
Initial Impressions Inc offset prntr 693-2900
Tonawanda News 693-1000
SOMMER ST BEGINS
451 Cramer Industrial Supplies Inc (Warehouse)
495 Beachy's Grill 692-9879
Marihik Leo ©
495½ No Return
497★Duttry Everett A 694-9584
501★Eberly Ronald J
503★Sarzyniak Marie J Mrs © 693-7117
Vacant
507 Pasco's Restaurant 694-3293
Vacant
WHEATFIELD ST BEGINS

516 Lockport Water Works pumping sta 693-1132
533 Anodizing & Plating Inc 692-5417
Smith Howard I
553 Pies Furniture (Whse) 692-6717
555 Bi-Lo Gas Station 692-9575
Recreation Distributors Warehouse swimming pool equip 694-5611
Becker Brothers Inc sls bldg supplies 694-8700
Four Star Furniture ret 695-2933
Vacant
559 Triad Manufacturing Corp pool decks 692-7760
605 D & J Press Co Inc hydraulic press mfrs 692-7062

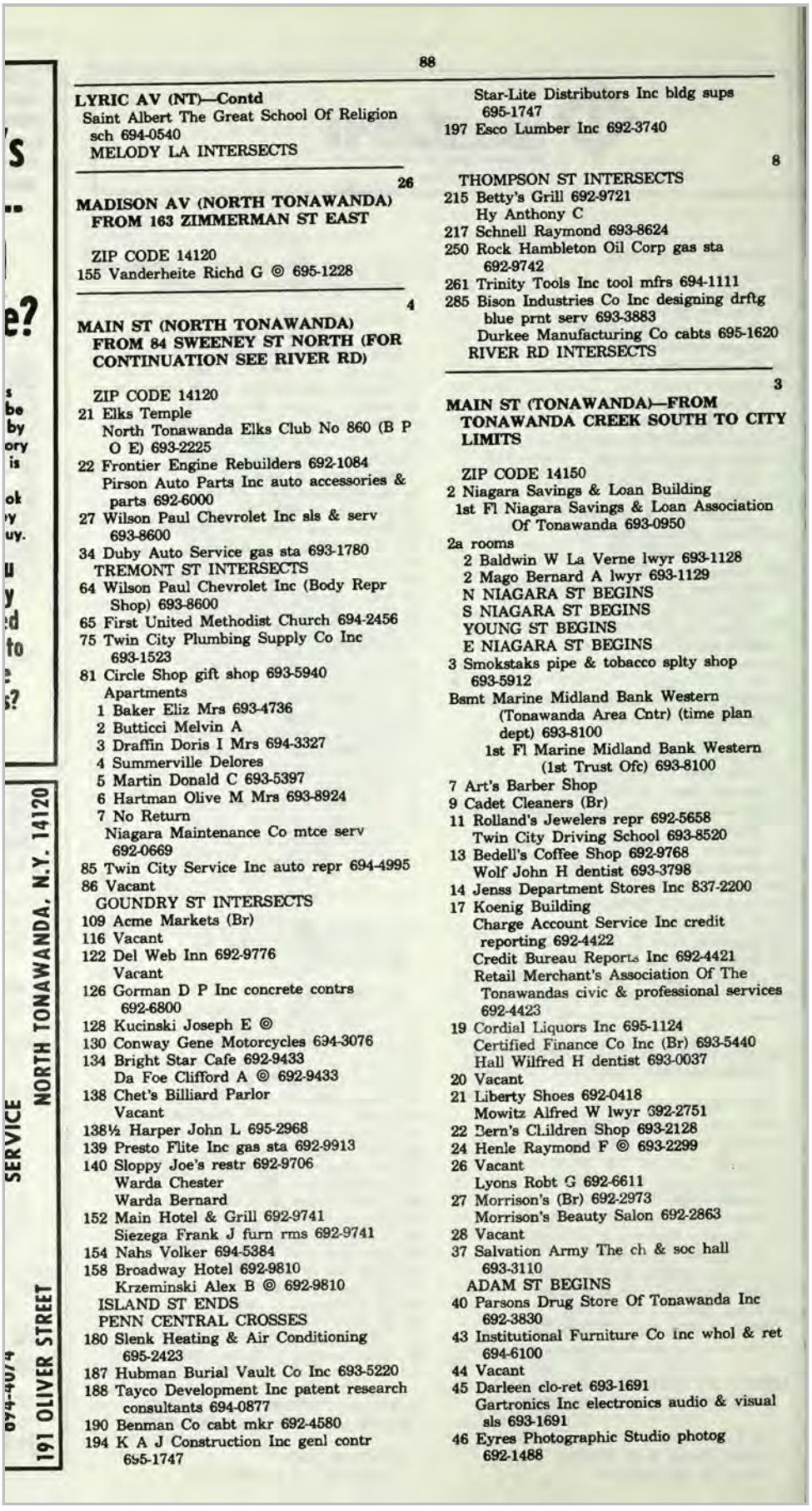
692-2089 (After 7 PM)

3080 MAIN ST.

836-1000

Target Street	Cross Street	Source
✓	-	Polk's City Directory

MAIN ST 1971



LYRIC AV (NT)—Contd
Saint Albert The Great School Of Religion sch 694-0540
MELODY LA INTERSECTS

26

MADISON AV (NORTH TONAWANDA) FROM 163 ZIMMERMAN ST EAST

ZIP CODE 14120
155 Vanderheite Richd G © 695-1228

4

MAIN ST (NORTH TONAWANDA) FROM 84 SWEENEY ST NORTH (FOR CONTINUATION SEE RIVER RD)

ZIP CODE 14120
21 Elks Temple
North Tonawanda Elks Club No 860 (B P O E) 693-2225
22 Frontier Engine Rebuilders 692-1084
Pirson Auto Parts Inc auto accessories & parts 692-6000
27 Wilson Paul Chevrolet Inc sls & serv 693-8600
34 Duby Auto Service gas sta 693-1780
TREMONT ST INTERSECTS
64 Wilson Paul Chevrolet Inc (Body Repr Shop) 693-8600
65 First United Methodist Church 694-2456
75 Twin City Plumbing Supply Co Inc 693-1523
81 Circle Shop gift shop 693-5940
Apartments
1 Baker Eliz Mrs 693-4736
2 Butticci Melvin A
3 Draffin Doris I Mrs 694-3327
4 Summerville Delores
5 Martin Donald C 693-5397
6 Hartman Olive M Mrs 693-8924
7 No Return
Niagara Maintenance Co mtce serv 692-0669
85 Twin City Service Inc auto repr 694-4995
86 Vacant
GOUNDRY ST INTERSECTS
109 Acme Markets (Br)
116 Vacant
122 Del Web Inn 692-9776
Vacant
126 Gorman D P Inc concrete contrs 692-6800
128 Kucinski Joseph E ©
130 Conway Gene Motorcycles 694-3076
134 Bright Star Cafe 692-9433
Da Foe Clifford A © 692-9433
138 Chet's Billiard Parlor
Vacant
138½ Harper John L 695-2968
139 Presto Flite Inc gas sta 692-9913
140 Sloppy Joe's restr 692-9706
Warda Chester
Warda Bernard
152 Main Hotel & Grill 692-9741
Siezega Frank J furn rms 692-9741
154 Nahs Volker 694-5384
158 Broadway Hotel 692-9810
Krzeminski Alex B © 692-9810
ISLAND ST ENDS
PENN CENTRAL CROSSES
180 Slenk Heating & Air Conditioning 695-2423
187 Hubman Burial Vault Co Inc 693-5220
188 Tayco Development Inc patent research consultants 694-0877
190 Benman Co cabt mkr 692-4580
194 K A J Construction Inc genl contr 695-1747
Star-Lite Distributors Inc bldg sups 695-1747
197 Esco Lumber Inc 692-3740

8

THOMPSON ST INTERSECTS
215 Betty's Grill 692-9721
Hy Anthony C
217 Schnell Raymond 693-8624
250 Rock Hambleton Oil Corp gas sta 692-9742
261 Trinity Tools Inc tool mfrs 694-1111
285 Bison Industries Co Inc designing drftg blue prnt serv 693-3883
Durkee Manufacturing Co cabts 695-1620
RIVER RD INTERSECTS

3

MAIN ST (TONAWANDA)—FROM TONAWANDA CREEK SOUTH TO CITY LIMITS

ZIP CODE 14150
2 Niagara Savings & Loan Building
1st Fl Niagara Savings & Loan Association Of Tonawanda 693-0950
2a rooms
2 Baldwin W La Verne lwyr 693-1128
2 Mago Bernard A lwyr 693-1129
N NIAGARA ST BEGINS
S NIAGARA ST BEGINS
YOUNG ST BEGINS
E NIAGARA ST BEGINS
3 Smokstaks pipe & tobacco splty shop 693-5912
Bsmt Marine Midland Bank Western (Tonawanda Area Cntr) (time plan dept) 693-8100
1st Fl Marine Midland Bank Western (1st Trust Ofc) 693-8100
7 Art's Barber Shop
9 Cadet Cleaners (Br)
11 Rolland's Jewelers repr 692-5658
Twin City Driving School 693-8520
13 Bedell's Coffee Shop 692-9768
Wolf John H dentist 693-3798
14 Jenss Department Stores Inc 837-2200
17 Koenig Building
Charge Account Service Inc credit reporting 692-4422
Credit Bureau Reports Inc 692-4421
Retail Merchant's Association Of The Tonawandas civic & professional services 692-4423
19 Cordial Liquors Inc 695-1124
Certified Finance Co Inc (Br) 693-5440
Hall Wilfred H dentist 693-0037
20 Vacant
21 Liberty Shoes 692-0418
Mowitz Alfred W lwyr 692-2751
22 Bern's Children Shop 693-2128
24 Henle Raymond F © 693-2299
26 Vacant
Lyons Robt G 692-6611
27 Morrison's (Br) 692-2973
Morrison's Beauty Salon 692-2863
28 Vacant
37 Salvation Army The ch & soc hall 693-3110
ADAM ST BEGINS
40 Parsons Drug Store Of Tonawanda Inc 692-3830
43 Institutional Furniture Co Inc whol & ret 694-6100
44 Vacant
45 Darleen clo-ret 693-1691
Gartronics Inc electronics audio & visual sls 693-1691
46 Eyres Photographic Studio photog 692-1488

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1971

100 Wing Kenneth J © 693-8247
104 Haas Edw J © 693-2970
108 Froelich Clement G © 692-0649

4

RIVER RD (NORTH TONAWANDA)
FROM TONAWANDA CREEK NORTH,
1 EAST OF NIAGARA RIVER

ZIP CODE 14120
BOND ST ENDS
GOUNDRY ST BEGINS
ISLAND ST INTERSECTS
200 Tonawanda Electric Steel Casting Corp 693-3090
THOMPSON ST BEGINS
278 Smith Boys Yacht Harbor Inc boat serv & sup 695-3472
MAIN ST ENDS

8

295 River Road Lumber Co Inc 693-2111
Strand Buffalo Corporation wooden box & reel mfrs 693-6528
315 Kucinski Frank J © 692-0112
315½ Jendrian Geo P 693-4656
321 Curley's Service Station 692-9715
Houser Leo M ©
Anderson Clayton ©
333 Georgian Bay Lumber Co Inc retail lumber 692-1818

20

346 Vacant
368 Liebeck's Gulf Service 692-9621
369 North Tonawanda Dept Of Public Works Garage 693-3200
ROBINSON ST BEGINS
391 P & H Auto Parts Inc 694-1300
411 Kumm Edw F © 693-1330
435 Tonawanda Publishing Corp 693-1000
Tonawanda News 693-1000

19

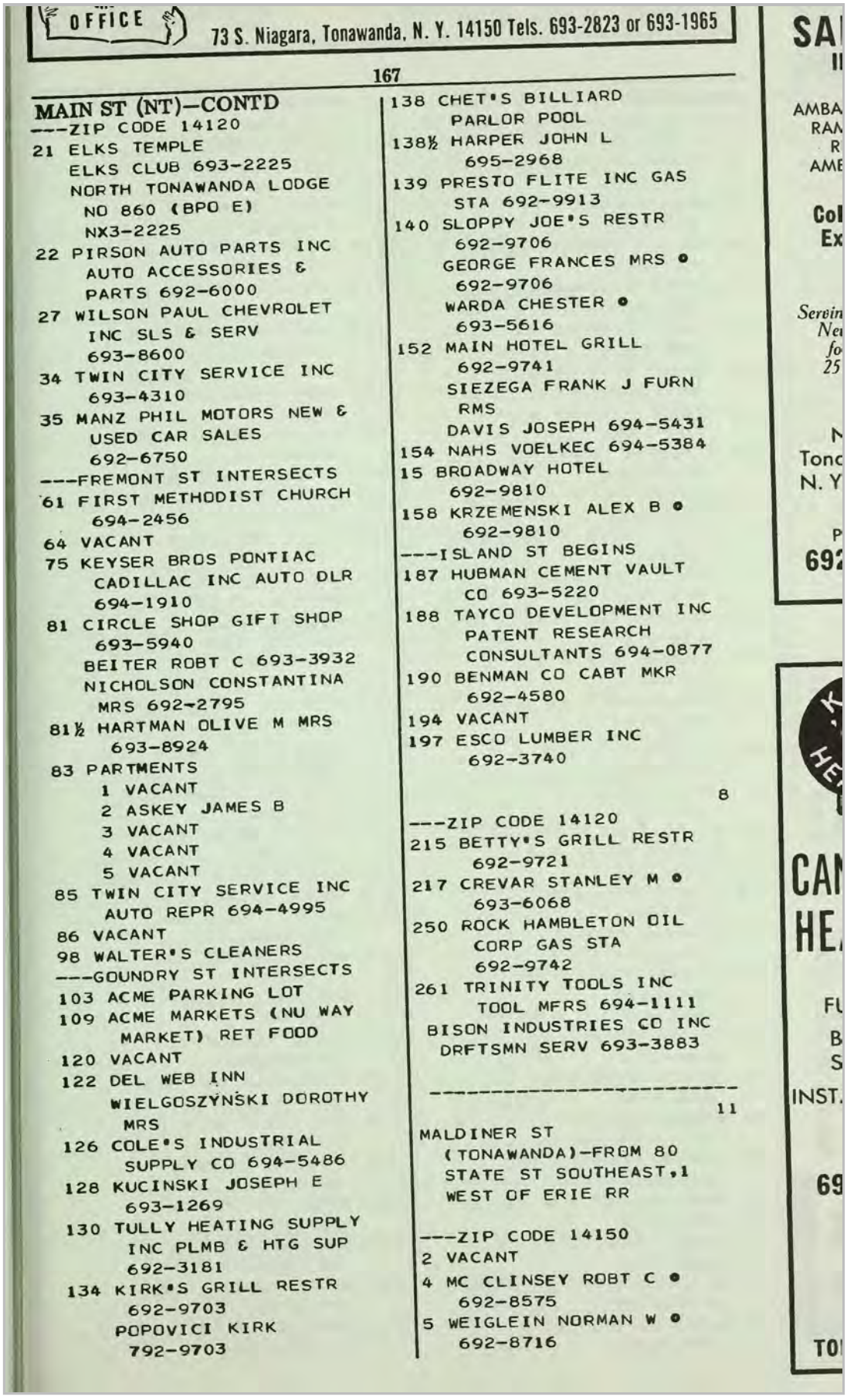
SOMMER ST BEGINS
451 Cramer Industrial Supplies Inc (Warehouse)
495 Beachy's Grill 692-9879
Beachy Thos A © 694-3371
495½ Vivlamore Carl 693-4960
497 Vacant
501 Wolanske Pearl K Mrs 692-1215
503 Astalos James J © 693-2229
Moeller Darrell P 694-3730
507 Molnar's Restaurant 692-9631
Molnar Paul Jr © 693-3800
512 Vacant
WHEATFIELD ST BEGINS

16

516 Lockport Water Works pumping sta 693-1132
533 Anodizing & Plating Inc 692-5417
553 Pies Furniture (Whse) 693-1490
555 Bi-Lo Gas Station 692-9575
Cannon Distributors Inc swimming pool equip 692-1206
Bernel Foam Products Co (Warehouse)

Target Street	Cross Street	Source
✓	-	Polk's City Directory

MAIN ST 1967



OFFICE 73 S. Niagara, Tonawanda, N. Y. 14150 Tels. 693-2823 or 693-1965

167

MAIN ST (NT)—CONTD
---ZIP CODE 14120
21 ELKS TEMPLE
ELKS CLUB 693-2225
NORTH TONAWANDA LODGE NO 860 (BPO E)
NX3-2225
22 PIRSON AUTO PARTS INC
AUTO ACCESSORIES & PARTS 692-6000
27 WILSON PAUL CHEVROLET INC SLS & SERV
693-8600
34 TWIN CITY SERVICE INC
693-4310
35 MANZ PHIL MOTORS NEW & USED CAR SALES
692-6750
---FREMONT ST INTERSECTS
61 FIRST METHODIST CHURCH
694-2456
64 VACANT
75 KEYSER BROS PONTIAC CADILLAC INC AUTO DLR
694-1910
81 CIRCLE SHOP GIFT SHOP
693-5940
BEITER ROBT C 693-3932
NICHOLSON CONSTANTINA MRS 692-2795
81½ HARTMAN OLIVE M MRS
693-8924
83 PARTMENTS
1 VACANT
2 ASKEY JAMES B
3 VACANT
4 VACANT
5 VACANT
85 TWIN CITY SERVICE INC
AUTO REPR 694-4995
86 VACANT
98 WALTER'S CLEANERS
---GOUNDRY ST INTERSECTS
103 ACME PARKING LOT
109 ACME MARKETS (NU WAY MARKET) RET FOOD
120 VACANT
122 DEL WEB INN
WIELGOSZYNSKI DOROTHY MRS
126 COLE'S INDUSTRIAL SUPPLY CO 694-5486
128 KUCINSKI JOSEPH E
693-1269
130 TULLY HEATING SUPPLY INC PLMB & HTG SUP
692-3181
134 KIRK'S GRILL RESTR
692-9703
POPOVICI KIRK
792-9703
138 CHET'S BILLIARD PARLOR POOL
138½ HARPER JOHN L
695-2968
139 PRESTO FLITE INC GAS STA 692-9913
140 SLOPPY JOE'S RESTR
692-9706
GEORGE FRANCES MRS ●
692-9706
WARDA CHESTER ●
693-5616
152 MAIN HOTEL GRILL
692-9741
SIEZEGA FRANK J FURN RMS
DAVIS JOSEPH 694-5431
154 NAHS VOELKEC 694-5384
15 BROADWAY HOTEL
692-9810
158 KRZEMENSKI ALEX B ●
692-9810
---ISLAND ST BEGINS
187 HUBMAN CEMENT VAULT CO 693-5220
188 TAYCO DEVELOPMENT INC PATENT RESEARCH CONSULTANTS 694-0877
190 BENMAN CO CABT MKR
692-4580
194 VACANT
197 ESCO LUMBER INC
692-3740

8

---ZIP CODE 14120
215 BETTY'S GRILL RESTR
692-9721
217 CREVAR STANLEY M ●
693-6068
250 ROCK HAMBLETON OIL CORP GAS STA
692-9742
261 TRINITY TOOLS INC
TOOL MFRS 694-1111
BISON INDUSTRIES CO INC
DRFTSMN SERV 693-3883

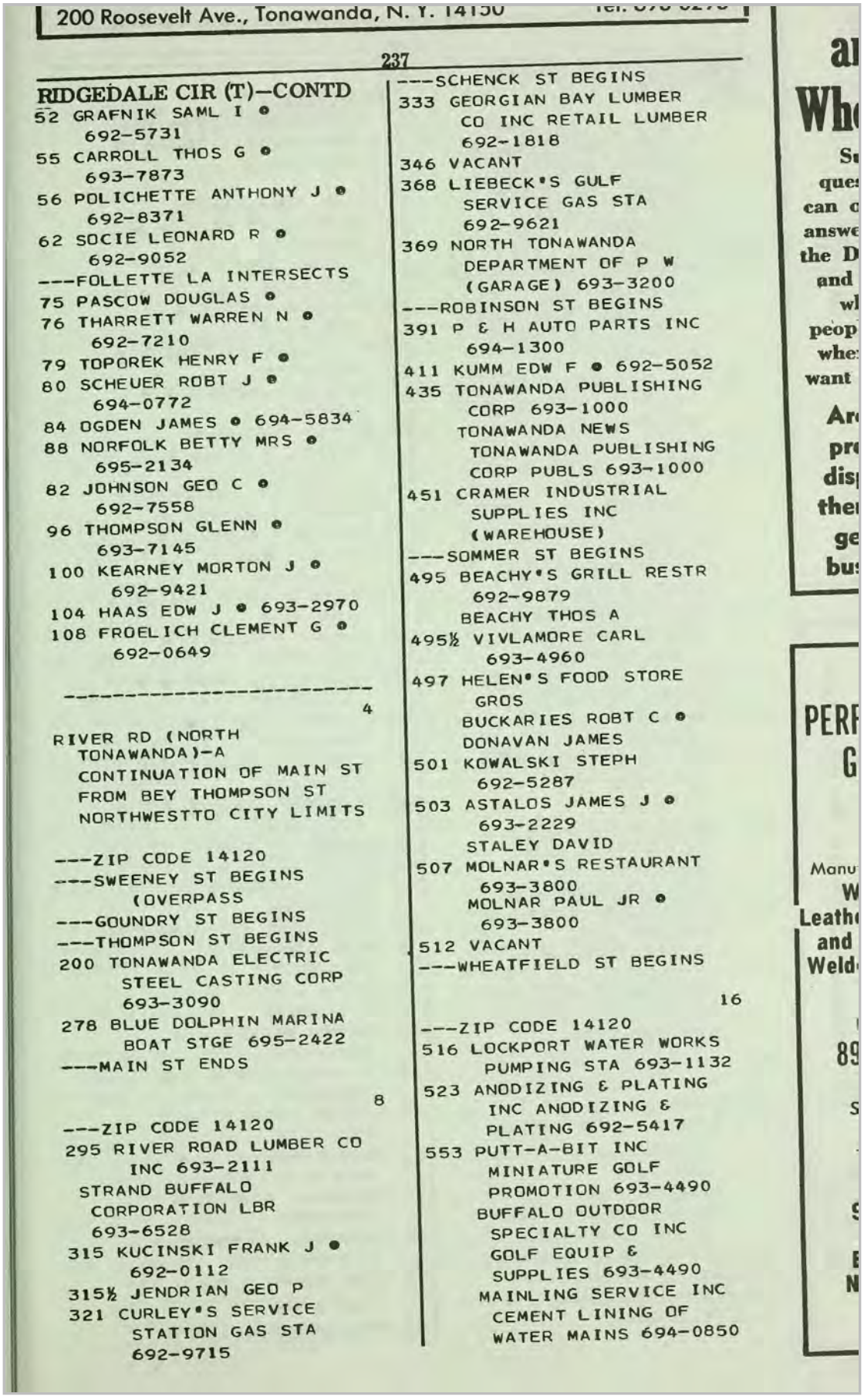
11

MALDINER ST
(TONAWANDA)—FROM 80 STATE ST SOUTHEAST,1 WEST OF ERIE RR

---ZIP CODE 14150
2 VACANT
4 MC CLINSEY ROBT C ●
692-8575
5 WEIGLEIN NORMAN W ●
692-8716

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1967



200 Roosevelt Ave., Tonawanda, N. Y. 14150

237

RIDGEDALE CIR (T)—CONTD
52 GRAFNIK SAML I ●
692-5731
55 CARROLL THOS G ●
693-7873
56 POLICHETTE ANTHONY J ●
692-8371
62 SOCIE LEONARD R ●
692-9052
---FOLLETTE LA INTERSECTS
75 PASCOW DOUGLAS ●
76 THARRETT WARREN N ●
692-7210
79 TOPOREK HENRY F ●
80 SCHEUER ROBT J ●
694-0772
84 OGDEN JAMES ● 694-5834
88 NORFOLK BETTY MRS ●
695-2134
82 JOHNSON GEO C ●
692-7558
96 THOMPSON GLENN ●
693-7145
100 KEARNEY MORTON J ●
692-9421
104 HAAS EDW J ● 693-2970
108 FROELICH CLEMENT G ●
692-0649

4

RIVER RD (NORTH TONAWANDA)-A
CONTINUATION OF MAIN ST
FROM BEY THOMPSON ST
NORTHWESTTO CITY LIMITS

---ZIP CODE 14120
---SWEENEY ST BEGINS
(OVERPASS
---GOUNDRY ST BEGINS
---THOMPSON ST BEGINS
200 TONAWANDA ELECTRIC
STEEL CASTING CORP
693-3090
278 BLUE DOLPHIN MARINA
BOAT STGE 695-2422
---MAIN ST ENDS

8

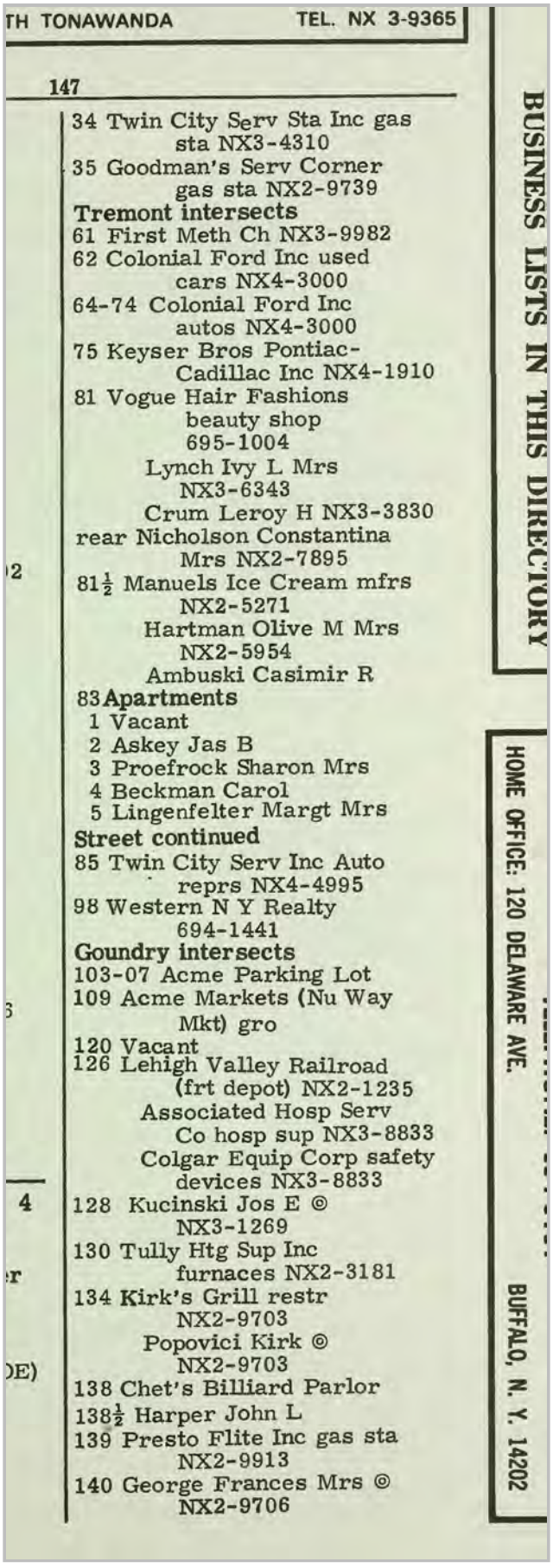
---ZIP CODE 14120
295 RIVER ROAD LUMBER CO
INC 693-2111
STRAND BUFFALO
CORPORATION LBR
693-6528
315 KUCINSKI FRANK J ●
692-0112
315½ JENDRIAN GEO P
321 CURLEY'S SERVICE
STATION GAS STA
692-9715
---SCHENCK ST BEGINS
333 GEORGIAN BAY LUMBER
CO INC RETAIL LUMBER
692-1818
346 VACANT
368 LIEBECK'S GULF
SERVICE GAS STA
692-9621
369 NORTH TONAWANDA
DEPARTMENT OF P W
(GARAGE) 693-3200
---ROBINSON ST BEGINS
391 P & H AUTO PARTS INC
694-1300
411 KUMM EDW F ● 692-5052
435 TONAWANDA PUBLISHING
CORP 693-1000
TONAWANDA NEWS
TONAWANDA PUBLISHING
CORP PUBLS 693-1000
451 CRAMER INDUSTRIAL
SUPPLIES INC
(WAREHOUSE)
---SOMMER ST BEGINS
495 BEACHY'S GRILL RESTR
692-9879
BEACHY THOS A
495½ VIVLAMORE CARL
693-4960
497 HELEN'S FOOD STORE
GROS
BUCKARIES ROBT C ●
DONAVAN JAMES
501 KOWALSKI STEPH
692-5287
503 ASTALOS JAMES J ●
693-2229
STALEY DAVID
507 MOLNAR'S RESTAURANT
693-3800
MOLNAR PAUL JR ●
693-3800
512 VACANT
---WHEATFIELD ST BEGINS

16

---ZIP CODE 14120
516 LOCKPORT WATER WORKS
PUMPING STA 693-1132
523 ANODIZING & PLATING
INC ANODIZING &
PLATING 692-5417
553 PUTT-A-BIT INC
MINIATURE GOLF
PROMOTION 693-4490
BUFFALO OUTDOOR
SPECIALTY CO INC
GOLF EQUIP &
SUPPLIES 693-4490
MAINLING SERVICE INC
CEMENT LINING OF
WATER MAINS 694-0850

Target Street	Cross Street	Source
✓	-	Polk's City Directory

MAIN ST 1964



TH TONAWANDA TEL. NX 3-9365

147

34 Twin City Serv Sta Inc gas sta NX3-4310
35 Goodman's Serv Corner gas sta NX2-9739
Tremont intersects
61 First Meth Ch NX3-9982
62 Colonial Ford Inc used cars NX4-3000
64-74 Colonial Ford Inc autos NX4-3000
75 Keyser Bros Pontiac-Cadillac Inc NX4-1910
81 Vogue Hair Fashions beauty shop 695-1004
Lynch Ivy L Mrs NX3-6343
Crum Leroy H NX3-3830
rear Nicholson Constantina Mrs NX2-7895
81½ Manuels Ice Cream mfrs NX2-5271
Hartman Olive M Mrs NX2-5954
Ambuski Casimir R
83 **Apartments**
1 Vacant
2 Askey Jas B
3 Proefrock Sharon Mrs
4 Beckman Carol
5 Lingenfelter Margt Mrs
Street continued
85 Twin City Serv Inc Auto reprs NX4-4995
98 Western N Y Realty 694-1441
Goundry intersects
103-07 Acme Parking Lot
109 Acme Markets (Nu Way Mkt) gro
120 Vacant
126 Lehigh Valley Railroad (frt depot) NX2-1235
Associated Hosp Serv Co hosp sup NX3-8833
Colgar Equip Corp safety devices NX3-8833
128 Kucinski Jos E ◎ NX3-1269
130 Tully Htg Sup Inc furnaces NX2-3181
134 Kirk's Grill restr NX2-9703
Popovici Kirk ◎ NX2-9703
138 Chet's Billiard Parlor
138½ Harper John L
139 Presto Flite Inc gas sta NX2-9913
140 George Frances Mrs ◎ NX2-9706

BUSINESS LISTS IN THIS DIRECTORY

HOME OFFICE: 120 DELAWARE AVE. BUFFALO, N. Y. 14202

Target Street	Cross Street	Source
✓	-	Polk's City Directory

MAIN ST 1964

JANITROL heating cooling — Appliances — Auto
1020 Oliver, N. Tonawanda, N

148

MAIN (NT)--Contd
140—Contd
Sloppy Joe's restr NX2-9706
Warda Chester NX3-5616
152 Main Hotel & Grill NX2-9741
Kulinsky Genevieve Mrs ◎
154 Krezeminski Agnes Mrs furnished rms
158 Broadway Hotel NX2-9810
Krzeminski Alex ◎ NX2-9810
Island begins
187 Hubman Cement Vault Co NX3-5220
188 Tayco Developments Inc consultants NX4-0877
190 Benman Co cabt mkr NX2-4580
194 Meyers Lbr Co Inc NX2-0377
197 Esco Lumber Inc 692-3740

8

215 Fabins Grill restr NX2-9721
Fabin Louis F ◎
217 Crevar Stanley M ◎ NX3-6068
250 Jacks Hambleton Serv gas sta NX2-9742
261 Trinity Tools Inc
Bison Industries Co Inc designing and drafting NX3-3883

11

MALDINER—From 80 State
southeast 1 west of Erie

42 Kr
46 He
47 Sn
50 W
51 Sa
54 Ka
55 Rc
58 Ha
59 Ca
63 Ha
66 Va
67 Kc
70 Ca
71 So
74 Ba
77 Sc
78 Vc
81 Tc
86 M
87 W
90 M
91 Be
94 Bu
97 Pc
111 U
119 C
127 M

SERVICE NX 2-8754 and NX 2-5595

Target Street	Cross Street	Source
✓	-	Polk's City Directory

RIVER RD 1964

RIDGEDALE CIR—Contd
46 Cameron Donald H ◎ NX3-7490
47 Benzler Wm P ◎ NX2-0683
51 Ziemba Andrew ◎ NX3-7479
52 Gralnik Saml I ◎ NX2-5731
55 Carroll Thos G ◎ NX3-7873
56 Polichette Anthony J ◎ NX2-8371
62 Socie Leonard R ◎ NX2-9052
Follette la intersects
75 Holt Andrew W ◎ NX3-7615
76 Tharrett Warren N ◎ NX2-8210
79 Toporek Henry F ◎
80 Scheuer Robt J ◎ NX4-0772
84 Nelson Roby Y ◎ NX5-2552
88 Norfolk Wm C ◎ NX5-2134
92 Johnson Geo C ◎ NX2-7558
96 Painter Clyde G NX2-8089
100 Kearney Morton J ◎ NX2-9421
104 Haas Edw J ◎ NX3-2970
108 Froelich Clement G ◎ NX2-0649

4

RIVER RD (North Tonawanda) —A continuation of Main from bey Thompson northwest to city limits
Sweeney begins (overpass)
Goundry begins
Thompson begins
278 Blue Dolphin Marina NX5-2422
Main ends

8

295 River Rd Lbr Co Inc NX3-2111
ws Strand Bflo Corp lbr NX3-6528
315 Kucinski Frank J ◎ NX2-0112
321 Curley's Serv Sta NX2-9715
Schenck begins
333 Georgian Bay Lbr Co Inc NX2-1818
346 Betty's Dinette restr NX2-9510
368 Liebeck's Gulf Serv NX2-9621
369 NT Dept of Public Wks (garage) NX3-3200
Robinson begins
391 P & H Auto Parts Inc NX4-1300
411 Kumm Edw F ◎ NX2-5052
435 Tonawanda Publ Corp NX3-1000
Tonawanda News news paper NX3-1000
440 Midland Asphalt Corp liquid asphalt NX3-4728
451 Cramer Industrial Sups Inc (whse)
Sommer begins
495 Beachy Thos A NX4-3371
Beachy's Grill restr NX2-9879
495½ Vivlamore Carl NX3-4960
497 Vacant
501 Kowalski Steph NX2-5387
503 Astalos Eliz Mrs ◎ NX3-2229
Astalos Jas J jr
507 Molnar's Restr NX3-3800
Molnar Paul jr ◎ NX3-3800
512 Shawnee Excavating Co
Scarlato Trucking & Excavating
Wheatfield begins

16

516 Lockport Water Works (P (Pumping Sta) NX3-1132
523-533 Anodizing & Plating Inc NX2-5417
553 Niagara Sportcenter Inc mfrs (shop) NX3-4490
Putt-A-Bit Inc miniature golf NX3-4490
Buffalo Outdoor Specialty Co Inc golf equip and sups sls NX3-4490
Krauser-Boyd Inc (garage)
605 D&J Press Co Inc hydraulic press mfrs NX2-7062
Walsh J T Co industrial equip NX2-7062
ws Tonawanda Iron Div Am Radiator & Standard Sanitary Corp NX3-0821
North Slip ends
815 Niagara Petroleum Co 693-5525
Konieczny Stanley E ◎ NX3-5525
Niagara Serv Sta gas sta NX2-9642
823 Hazel's Coffee Serv
Gaston Hazel Mrs
825 Vacant

River Road & Main Street Properties
173, 175, and 235 River Rd and 190 Main St
North Tonawanda, NY 14120

Inquiry Number: 6286995.2s
December 03, 2020

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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

173, 175, AND 235 RIVER RD AND 190 MAIN ST
NORTH TONAWANDA, NY 14120

COORDINATES

Latitude (North):	43.0273220 - 43° 1' 38.35''
Longitude (West):	78.8793610 - 78° 52' 45.69''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	672780.8
UTM Y (Meters):	4765816.0
Elevation:	571 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5939467 TONAWANDA WEST, NY
Version Date:	2013
Northeast Map:	5938433 TONAWANDA EAST, NY
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150528
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
173, 175, AND 235 RIVER RD AND 190 MAIN ST
NORTH TONAWANDA, NY 14120

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	BENMAN CO	190-196 MAIN ST	RCRA NonGen / NLR, FINDS, ECHO		TP
A2	METZGER REMOVAL	235 RIVER ROAD	NY RGA LF		TP
A3	METZGER REMOVAL INC	235 RIVER RD	FINDS		TP
A4	METZGER REMOVAL	235 RIVER ROAD	NY SWF/LF		TP
A5	LIPPMANN PORTABLE IM	235 RIVER ROAD	US MINES		TP
A6	METZGER REMOVAL INC	235 RIVER ROAD	NY AST		TP
A7	METZGER REMOVAL INC	235 RIVER RD PORTABL	NY AIRS		TP
A8	LIPPMANN PORTABLE IM	235 RIVER ROAD	ABANDONED MINES		TP
B9	FAST LANE SERVICE	THOMPSON & RIVER ROA	NY Spills	Lower	65, 0.012, NW
C10	OIL FROM STORED MACH	197 MAIN STREET	NY Spills	Higher	76, 0.014, ESE
11	GRAVEL	231 MAIN ST	NY Spills	Higher	84, 0.016, NE
B12	NATIONAL GRID	260 RIVER RD	NY Spills	Higher	96, 0.018, NW
C13	211 MAIN STREET	211 MAIN STREET	NY BROWNFIELDS	Higher	97, 0.018, ENE
C14	211 MAIN STREET PROP	211 MAIN STREET	US BROWNFIELDS	Higher	97, 0.018, ENE
A15	CENTRAL TRANSPORT	200 RIVER RD	NY Spills	Lower	114, 0.022, WSW
A16	AMERICAN DESIGN & MA	200 RIVER RD	NY Spills, NY MANIFEST	Lower	114, 0.022, WSW
A17	AMERICAN DESIGN & MF	200 RIVER RD	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	114, 0.022, WSW
B18	FAST LANE STATION	250 MAIN STREET	NY Spills	Higher	157, 0.030, NNW
B19	JACKS HAMBLETON STAT	250 MAIN ST	EDR Hist Auto	Higher	157, 0.030, NNW
D20	PROGRESSIVE MOTORS	65 ISLAND ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	170, 0.032, South
E21	STERLING MACHINERY T	RIVER ROAD AT MAIN S	NY Spills	Higher	212, 0.040, North
D22	MULTIPLE POLE	139 RIVER RD	NY Spills	Higher	223, 0.042, South
B23	D-223	278 RIVER ROAD	NY Spills	Lower	290, 0.055, NNW
B24	SMITH BOYS INC	278 RIVER RD	NY UST, NY Spills, NY MANIFEST	Lower	290, 0.055, NNW
B25	SMITH BOYS MARINA	278 RIVER ROAD	NY Spills	Lower	290, 0.055, NNW
B26	SMITH BOYS MARINA	RIVER ROAD	NY Spills	Higher	299, 0.057, NW
F27	GULF/GATEWAY	139 MAIN STREET	NY UST, NY Spills	Higher	344, 0.065, SE
F28	NOCO MOTOR FUELS INC	139 MAIN ST	EDR Hist Auto	Higher	344, 0.065, SE
F29	NOCO/GULF GASOLINE S	139 MAIN STREET	NY Spills	Higher	344, 0.065, SE
F30	PRESTO-FLITE INC	129 MAIN ST	EDR Hist Auto	Higher	429, 0.081, SE
E31	TOP SHOP COLLISION	285 MAIN ST	RCRA-VSQG	Higher	447, 0.085, North
G32	CSX TRACK MAT	300 RIVER VIEW AVE	NY Spills	Higher	565, 0.107, NNW
H33	ROYAL OAK RECYCLING	22 MECHANIC STREET	NY SWRCY, NY Spills	Higher	620, 0.117, ESE
H34	RECYCLING	22 MECHANIC STREET	NY Spills	Higher	620, 0.117, ESE
35	STRIP MALL AND GULF	105 -139 MAIN STREET	NY Spills	Higher	623, 0.118, SE
I36	AUTOZONE #2915	2 GOUNDRY ST	RCRA-VSQG, FINDS, ECHO, NY MANIFEST	Higher	653, 0.124, South
G37	METZGER CONCRETE REM	RIVER ROAD	US BROWNFIELDS, FINDS	Lower	655, 0.124, North
J38	THE R E KRUG CORP	89 THOMPSON STREET	NY UST	Higher	694, 0.131, ENE
J39	TONDISCO INC	80 THOMPSON ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	705, 0.134, NE

MAPPED SITES SUMMARY

Target Property Address:
173, 175, AND 235 RIVER RD AND 190 MAIN ST
NORTH TONAWANDA, NY 14120

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J40	TONDISCO INC	80 THOMPSON ST	NY LTANKS, NY UST	Higher	705, 0.134, NE
K41	CALAMAR CONSTRUCTION	190 OLIVER ST SUITE	RCRA-VSQG, NY LTANKS, NY Spills, FINDS, ECHO, NY...	Higher	714, 0.135, East
K42	KRUG GLAZING PROPERT	190 OLIVER STREET	US BROWNFIELDS, ECHO	Higher	714, 0.135, East
K43	KRUGS GLAZING SERVIC	190 OLIVER ST	RCRA NonGen / NLR	Higher	714, 0.135, East
K44	HULLEY WOODWORKING	190 OLIVER ST - 2ND	RCRA NonGen / NLR, FINDS, ECHO	Higher	714, 0.135, East
L45	GATEWAY POINT 4	82 RIVER ROAD	US BROWNFIELDS, FINDS	Higher	733, 0.139, South
M46	NYSDEC SCHRECKS SCRA	55 SCHENCK ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	837, 0.159, NNE
M47	SCHRECK'S SCRAPYARD	55 SCHENCK STREET	NY SHWS	Higher	837, 0.159, NNE
M48	SCHRECK'S SCRAPYARD	55 SCHENCK STREET	SEMS-ARCHIVE, NY LTANKS, NY ENG CONTROLS, NY INST...	Higher	837, 0.159, NNE
I49	K S AUTO STORES INC	90 MANHATTAN ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	844, 0.160, SSE
L50	GATEWAY POINT 6	78 RIVER ROAD	US BROWNFIELDS, FINDS	Lower	932, 0.177, South
N51	78 BRIDGE STREET SIT	78 BRIDGE STREET	US BROWNFIELDS, FINDS	Higher	969, 0.184, West
52	GATEWAY POINT 1	50 DOCK STREET	US BROWNFIELDS, FINDS	Lower	1013, 0.192, SSW
53	COMPETITION TRANSMIS	68 MAIN STREET	US BROWNFIELDS, FINDS	Higher	1021, 0.193, SSE
O54	SWAGELOK BIOPHARM SE	107 GOUNDRY ST	NY MANIFEST	Higher	1044, 0.198, SE
O55	SWAGELOK BIOPHARM SE	107 GOUNDRY ST	RCRA NonGen / NLR	Higher	1044, 0.198, SE
56	NIAGARA MOHAWK POWER	SCHENCK ST & N MARIO	NY MANIFEST	Higher	1064, 0.202, NNE
P57	64-66 WEBSTER STREEE	64 WEBSTER STREET	US BROWNFIELDS, FINDS	Higher	1067, 0.202, SSE
58	NORTH TONAWANDA YARD	THOMPSON & OLIVER ST	NY UST, NY AST	Higher	1087, 0.206, ENE
Q59	TAYLOR DEVICES	90 TAYLOR RD	NJ MANIFEST	Higher	1092, 0.207, WNW
Q60	TAYLOR DEVICES	90 TAYLOR DR	PA MANIFEST	Higher	1092, 0.207, WNW
R61	STATION 77	EAST AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	1112, 0.211, NE
P62	51 WEBSTER STREET	51 WEBSTER STREET	US BROWNFIELDS	Higher	1169, 0.221, SSE
N63	INTL PAPER CO /TONAW	50 BRIDGE STREET	SEMS-ARCHIVE	Higher	1197, 0.227, West
N64	INTERNATIONAL PAPER	50 BRIDGE STREET	NY HSWDS	Higher	1197, 0.227, West
N65	INTERNATIONAL FILLER	50 BRIDGE ST	RCRA-VSQG, ICIS, US AIRS, FINDS, ECHO, NY...	Higher	1197, 0.227, West
S66	VAL-KRO INC	369 RIVER RD	RCRA-SQG, US AIRS, PA MANIFEST	Lower	1215, 0.230, NNW
S67	VAL-KRO INC	369 RIVER ROAD	RCRA NonGen / NLR	Lower	1215, 0.230, NNW
S68	VAL-KRO INC.	369 RIVER RD.	NY CBS, NY CBS AST, NY Spills, NY MANIFEST	Lower	1215, 0.230, NNW
R69	OCCIDENTAL CHEMICAL	PRESS PIT 55 SCHENCK	RCRA NonGen / NLR, NY MANIFEST	Higher	1218, 0.231, NE
70	TAYLOR DEVICES INC	200 TAYLOR DR	RCRA-SQG, FINDS, ECHO, NY MANIFEST	Higher	1220, 0.231, West
O71	GOBLIN CLEANERS	78 OLIVER ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1235, 0.234, ESE
T72	GATEWAY POINT 2	18 DOCK STREET	US BROWNFIELDS, FINDS	Lower	1310, 0.248, SSW
T73	GATEWAY POINT 3	16 DOCK STREET	US BROWNFIELDS, FINDS	Lower	1326, 0.251, SSW
U74	34-38 WEBSTER STREET	38 WEBSTER STREET	US BROWNFIELDS, FINDS	Higher	1331, 0.252, SSE
75	NYNEX	95 TREMONT ST	NY LTANKS, NY Spills, RCRA NonGen / NLR, FINDS,...	Higher	1333, 0.252, SE
V76	SMURFIT-STONE CONTAI	51 ROBINSON ST	NY LTANKS, NY CBS, RCRA NonGen / NLR, FINDS, ECHO,...	Higher	1342, 0.254, North
V77	LAWLESS CONTAINER CO	51 ROBINSON STREET	NY LTANKS, NY UST	Higher	1342, 0.254, North
W78	ARIDA SITE-1	133 MICHIGAN AVENUE	US BROWNFIELDS, FINDS	Higher	1385, 0.262, WNW

MAPPED SITES SUMMARY

Target Property Address:
173, 175, AND 235 RIVER RD AND 190 MAIN ST
NORTH TONAWANDA, NY 14120

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
T79	SHEEN ON TONAWANDA C	1 SWEENEY STREET	NY LTANKS, NY AST, NY Spills	Lower	1391, 0.263, South
T80	GATEWAY POINT 5	1 SWEENEY STREET	US BROWNFIELDS, FINDS	Lower	1391, 0.263, South
U81	FORMER GASOLINE STAT	31 WEBSTER STREET	NY BROWNFIELDS, NY Spills	Higher	1404, 0.266, SSE
W82	SMITH BOYS SITE -4	220 MICHIGAN STREET	US BROWNFIELDS	Higher	1412, 0.267, WNW
U83	WARDELL BOAT YARD	SWEENEY STREET	NY LTANKS, NY Spills	Higher	1429, 0.271, SSE
84	MANSON CONSTRUCTION	DETROIT STREET	NY LTANKS	Lower	1465, 0.277, SW
X85	FLANIGAN CHEVROLET	27 MAIN STREET	NY LTANKS, NY Spills	Higher	1480, 0.280, SSE
Y86	53 OLIVER STREET	53 OLIVER STREET	US BROWNFIELDS	Higher	1490, 0.282, ESE
Z87	ARIDA-3	4 BRIDGE STREET	US BROWNFIELDS, FINDS	Higher	1495, 0.283, West
V88	BOOTH OIL INACT HAZ	76 ROBINSON STREET	SEMS-ARCHIVE, CORRACTS, RCRA-SQG, NY SHWS, NY ENG	Higher	1533, 0.290, North
Y89	HURTUBISE TIRE	TREMONT STREET AND O	NY LTANKS	Higher	1536, 0.291, SE
90	SMITH BOYS SITE -3	250 MICHIGAN STREET	US BROWNFIELDS	Higher	1545, 0.293, NW
91	BERNARD SALTZMAN	RT. 265	NY LTANKS	Lower	1589, 0.301, South
X92	110 SWEENEY STREET S	100 SWEENEY STREET	US BROWNFIELDS, FINDS	Lower	1611, 0.305, SSE
Z93	WATER TREATMENT PLAN	1 ARCHER ST	NY LTANKS, NY Spills	Higher	1699, 0.322, West
AA94	REMINGTON RAND BUILD	184 SWEENEY STREET	NY ENG CONTROLS, NY INST CONTROL, NY BROWNFIELDS	Higher	1718, 0.325, SE
AA95	REMINGTON RAND BUILD	184 SWEENEY STREET	RCRA-SQG, US BROWNFIELDS, FINDS, ECHO, NY MANIFEST	Higher	1718, 0.325, SE
96	ARIDA-4	2 BRIDGE STREET	US BROWNFIELDS, FINDS	Higher	1838, 0.348, WNW
AB97	SMITH BOYS SITE -1	311 MICHIGAN STREET	US BROWNFIELDS	Higher	1976, 0.374, NW
AB98	SMITH BOYS SITE -2	312 MICHIGAN STREET	US BROWNFIELDS	Higher	2090, 0.396, NW
AB99	SMITH BOYS INC	NIAGARA STREET	NY LTANKS	Higher	2150, 0.407, NW
AB100	ARIDA SITE-2	231 MICHIGAN AVENUE	US BROWNFIELDS, FINDS	Higher	2177, 0.412, NW
101	L. E. OTT DELIVERY,	29 FILLMORE	NY LTANKS	Lower	2310, 0.438, SSE
AC102	NFG - GASTOWN MGP TO	126 EAST NIAGARA STR	NY SHWS, NY MANIFEST	Higher	2421, 0.459, SE
AC103	FORMER GASTOWN M.G.P	126 EAST NIAGARA STR	EDR MGP	Higher	2421, 0.459, SE
104	ENVIROTEK	153 FILLMORE AVE	SEMS-ARCHIVE, RCRA NonGen / NLR, ICIS, CONSENT,...	Higher	3599, 0.682, SE
105	COLUMBUS MCKINNON CO	1 FREMONT ST	NY SHWS, NY LTANKS, NY UST, NY Spills	Lower	4115, 0.779, SSE

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
BENMAN CO 190-196 MAIN ST NORTH TONAWANDA, NY 14120	RCRA NonGen / NLR EPA ID:: NYD002101806 FINDS Registry ID:: 110004338306 ECHO Registry ID: 110004338306	NYD002101806
METZGER REMOVAL 235 RIVER ROAD NORTH TONAWANDA, NY	NY RGA LF	N/A
METZGER REMOVAL INC 235 RIVER RD NORTH TONAWANDA, NY 14120	FINDS Registry ID:: 110019392343	N/A
METZGER REMOVAL 235 RIVER ROAD NORTH TONAWANDA, NY 14120	NY SWF/LF	N/A
LIPPMANN PORTABLE IM 235 RIVER ROAD NORTH TONAWANDA, NY 14120	US MINES Database: MINES VIOLATIONS, Date of Government Version: 09/10/2020	N/A
METZGER REMOVAL INC 235 RIVER ROAD NORTH TONAWANDA, NY 14120	NY AST Database: AST, Date of Government Version: 06/22/2020 Facility Id: 9-600970	N/A
METZGER REMOVAL INC 235 RIVER RD PORTABL NORTH TONAWANDA, NY 14120	NY AIRS DEC Id: 9990900090	N/A
LIPPMANN PORTABLE IM 235 RIVER ROAD NORTH TONAWANDA, NY 14120	ABANDONED MINES	N/A

EXECUTIVE SUMMARY

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

NPL ---------- National Priority 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
SEMS ---------- Superfund Enterprise Management System

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

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 ---------- Major Oil Storage Facility Site Listing
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

State and tribal voluntary cleanup sites

NY VCP Voluntary Cleanup Agreements
INDIAN VCP Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

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
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

FUDS Formerly Used Defense Sites
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
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act
TRIS ..... Toxic Chemical Release Inventory System
SSTS ..... Section 7 Tracking Systems
ROD ..... Records Of Decision
RMP ..... Risk Management Plans
RAATS ..... RCRA Administrative Action Tracking System
PRP ..... Potentially Responsible Parties
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
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
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ..... Incident and Accident Data
INDIAN RESERV ..... Indian Reservations
FUSRAP ..... Formerly Utilized Sites Remedial Action Program
UMTRA ..... Uranium Mill Tailings Sites
LEAD SMELTERS ..... Lead Smelter Sites
UXO ..... Unexploded Ordnance Sites
DOCKET HWC ..... Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ..... EPA Fuels Program Registered Listing
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 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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

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 CERCLIS NFRAP site list

SEMS-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.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/28/2020 has revealed that there are 3 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCHRECK'S SCRAPYARD Site ID: 0202362 EPA Id: NYD981560931	***55 SCHENCK STREET***	***NNE 1/8 - 1/4 (0.159 mi.)***	***M48***	***165***
INTL PAPER CO /TONAW Site ID: 0201965 EPA Id: NYD980531883	50 BRIDGE STREET	W 1/8 - 1/4 (0.227 mi.)	N63	246
BOOTH OIL INACT HAZ Site ID: 0201420 EPA Id: NYD002131860	***76 ROBINSON STREET***	***N 1/4 - 1/2 (0.290 mi.)***	***V88***	***405***

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 06/15/2020 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOOTH OIL INACT HAZ	***76 ROBINSON STREET***	***N 1/4 - 1/2 (0.290 mi.)***	***V88***	***405***

EPA ID:: NYD002131860

Federal RCRA generators list

RCRA-SQG: 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/15/2020 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TAYLOR DEVICES INC EPA ID:: NYD002105799	***200 TAYLOR DR***	***W 1/8 - 1/4 (0.231 mi.)***	***70***	***302***

Lower Elevation	Address	Direction / Distance	Map ID	Page
VAL-KRO INC EPA ID:: NYD980534275	***369 RIVER RD***	***NNW 1/8 - 1/4 (0.230 mi.)***	***S66***	***260***

RCRA-VSQG: 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.

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/15/2020 has revealed that there are 4 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOP SHOP COLLISION EPA ID:: NYN008019150	285 MAIN ST	N 0 - 1/8 (0.085 mi.)	E31	81
AUTOZONE #2915 EPA ID:: NYR000201038	***2 GOUNDRY ST***	***S 0 - 1/8 (0.124 mi.)***	***I36***	***100***
CALAMAR CONSTRUCTION EPA ID:: NYR000114033	***190 OLIVER ST SUITE***	***E 1/8 - 1/4 (0.135 mi.)***	***K41***	***121***
INTERNATIONAL FILLER EPA ID:: NYD002105914	***50 BRIDGE ST***	***W 1/8 - 1/4 (0.227 mi.)***	***N65***	***248***

EXECUTIVE SUMMARY

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 08/10/2020 has revealed that there are 4 NY SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCHRECK'S SCRAPYARD Site Code: 56726	55 SCHENCK STREET	NNE 1/8 - 1/4 (0.159 mi.)	M47	162
BOOTH OIL INACT HAZ Site Code: 56727	***76 ROBINSON STREET***	***N 1/4 - 1/2 (0.290 mi.)***	***V88***	***405***
NFG - GASTOWN MGP TO Site Code: 56644	***126 EAST NIAGARA STR***	***SE 1/4 - 1/2 (0.459 mi.)***	***AC102***	***522***

Lower Elevation	Address	Direction / Distance	Map ID	Page
COLUMBUS MCKINNON CO Site Code: 56551	***1 FREMONT ST***	***SSE 1/2 - 1 (0.779 mi.)***	***105***	***542***

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 08/10/2020 has revealed that there are 15 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TONDISCO INC Spill Number/Closed Date: 0275414 / 2002-12-09 Spill Number/Closed Date: 8709613 / 1988-02-25 Site ID: 146012 Site ID: 146013 Spill Date: 2002-11-01 Spill Date: 1988-02-10	***80 THOMPSON ST***	***NE 1/8 - 1/4 (0.134 mi.)***	***J40***	***114***
CALAMAR CONSTRUCTION Spill Number/Closed Date: 0275365 / 2003-01-21 Site ID: 318135 Spill Date: 2002-10-16	***190 OLIVER ST SUITE***	***E 1/8 - 1/4 (0.135 mi.)***	***K41***	***121***
SCHRECK'S SCRAPYARD Spill Number/Closed Date: 9309523 / 1994-12-28 Site ID: 87041 Spill Date: 1993-11-04	***55 SCHENCK STREET***	***NNE 1/8 - 1/4 (0.159 mi.)***	***M48***	***165***
NYNEX	***95 TREMONT ST***	***SE 1/4 - 1/2 (0.252 mi.)***	***75***	***334***

Spill Number/Closed Date: 9402427 / 1994-06-15
Site ID: 80475
Spill Date: 1994-05-18

SMURFIT-STONE CONTAI ***51 ROBINSON ST*** ***N 1/4 - 1/2 (0.254 mi.)*** ***V76*** ***342***
Spill Number/Closed Date: 9310710 / 1994-01-06
Site ID: 163575
Spill Date: 1993-12-03

LAWLESS CONTAINER CO ***51 ROBINSON STREET*** ***N 1/4 - 1/2 (0.254 mi.)*** ***V77*** ***353***
Spill Number/Closed Date: 9309988 / 1994-03-11
Site ID: 142951
Spill Date: 1993-11-16

WARDELL BOAT YARD ***SWEENEY STREET*** ***SSE 1/4 - 1/2 (0.271 mi.)*** ***U83*** ***385***
Spill Number/Closed Date: 9000205 / 1991-12-05
Site ID: 164682
Spill Date: 1990-04-06

FLANIGAN CHEVROLET ***27 MAIN STREET*** ***SSE 1/4 - 1/2 (0.280 mi.)*** ***X85*** ***389***
Spill Number/Closed Date: 9875254 / 2000-02-08
Spill Number/Closed Date: 8804736 / 1989-05-15
Site ID: 123190
Site ID: 123188
Spill Date: 1998-12-02
Spill Date: 1988-08-30

HURTUBISE TIRE TREMONT STREET AND O SE 1/4 - 1/2 (0.291 mi.) Y89 439
Spill Number/Closed Date: 9507868 / 1995-12-06
Site ID: 188884
Spill Date: 1995-09-23

WATER TREATMENT PLAN ***1 ARCHER ST*** ***W 1/4 - 1/2 (0.322 mi.)*** ***Z93*** ***449***
Spill Number/Closed Date: 9706751 / 1997-11-14
Site ID: 189681
Spill Date: 1997-09-05

SMITH BOYS INC NIAGARA STREET NW 1/4 - 1/2 (0.407 mi.) AB99 512
Spill Number/Closed Date: 8804171 / 1988-09-09
Site ID: 111083
Spill Date: 1988-08-11

Lower Elevation	Address	Direction / Distance	Map ID	Page

SHEEN ON TONAWANDA C ***1 SWEENEY STREET*** ***S 1/4 - 1/2 (0.263 mi.)*** ***T79*** ***366***
Spill Number/Closed Date: 9875224 / 2001-07-19
Site ID: 190978
Spill Date: 1998-11-01

MANSON CONSTRUCTION DETROIT STREET SW 1/4 - 1/2 (0.277 mi.) 84 388
Spill Number/Closed Date: 9201448 / 1992-05-11
Site ID: 217760
Spill Date: 1992-05-05

BERNARD SALTZMAN RT. 265 S 1/4 - 1/2 (0.301 mi.) 91 443
Spill Number/Closed Date: 8600695 / 1986-08-11
Site ID: 69106
Spill Date: 1986-04-28

L. E. OTT DELIVERY, 29 FILLMORE SSE 1/4 - 1/2 (0.438 mi.) 101 521
Spill Number/Closed Date: 8601245 / 1986-09-11

Site ID: 233698
Spill Date: 1986-05-21

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 5 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GULF/GATEWAY	***139 MAIN STREET***	***SE 0 - 1/8 (0.065 mi.)***	***F27***	***72***
Database: UST, Date of Government Version: 06/22/2020				
THE R E KRUG CORP	89 THOMPSON STREET	ENE 1/8 - 1/4 (0.131 mi.)	J38	107
Database: UST, Date of Government Version: 06/22/2020				
TONDISCO INC	***80 THOMPSON ST***	***NE 1/8 - 1/4 (0.134 mi.)***	***J40***	***114***
Database: UST, Date of Government Version: 06/22/2020				
NORTH TONAWANDA YARD	***THOMPSON & OLIVER ST***	***ENE 1/8 - 1/4 (0.206 mi.)***	***58***	***226***
Database: UST, Date of Government Version: 06/22/2020				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SMITH BOYS INC	***278 RIVER RD***	***NNW 0 - 1/8 (0.055 mi.)***	***B24***	***62***
Database: UST, Date of Government Version: 06/22/2020				

NY CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the NY CBS list, as provided by EDR, and dated 06/22/2020 has revealed that there is 1 NY CBS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VAL-KRO INC.	***369 RIVER RD.***	***NNW 1/8 - 1/4 (0.230 mi.)***	***S68***	***285***
Facility Status: Unregulated/Closed				
CBS Number: 9-000213				

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.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH TONAWANDA YARD	***THOMPSON & OLIVER ST***	***ENE 1/8 - 1/4 (0.206 mi.)***	***58***	***226***
Database: AST, Date of Government Version: 06/22/2020				

Facility Id: 9-420018

NY CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 NY CBS AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VAL-KRO INC. Facility Status: 1 Facility Status: 1 CBS Number: 9-000213	***369 RIVER RD.***	***NNW 1/8 - 1/4 (0.230 mi.)***	***S68***	***285***

State and tribal institutional control / engineering control registries

NY ENG CONTROLS: Environmental Remediation sites that have engineering controls in place.

A review of the NY ENG CONTROLS list, as provided by EDR, and dated 08/10/2020 has revealed that there are 3 NY ENG CONTROLS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCHRECK'S SCRAPYARD Site Code: 56726	***55 SCHENCK STREET***	***NNE 1/8 - 1/4 (0.159 mi.)***	***M48***	***165***
BOOTH OIL INACT HAZ Site Code: 56727	***76 ROBINSON STREET***	***N 1/4 - 1/2 (0.290 mi.)***	***V88***	***405***
REMINGTON RAND BUILD Site Code: 391230	***184 SWEENEY STREET***	***SE 1/4 - 1/2 (0.325 mi.)***	***AA94***	***453***

Environmental Remediation sites that have institutional controls in place.

A review of the NY INST CONTROL list, as provided by EDR, and dated 08/10/2020 has revealed that there are 3 NY INST CONTROL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCHRECK'S SCRAPYARD Site Code: 56726	***55 SCHENCK STREET***	***NNE 1/8 - 1/4 (0.159 mi.)***	***M48***	***165***
BOOTH OIL INACT HAZ Site Code: 56727	***76 ROBINSON STREET***	***N 1/4 - 1/2 (0.290 mi.)***	***V88***	***405***
REMINGTON RAND BUILD Site Code: 391230	***184 SWEENEY STREET***	***SE 1/4 - 1/2 (0.325 mi.)***	***AA94***	***453***

State and tribal Brownfields sites

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 08/10/2020 has revealed that there are 3 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
211 MAIN STREET Site Code: 564860	211 MAIN STREET	ENE 0 - 1/8 (0.018 mi.)	C13	28
FORMER GASOLINE STAT Site Code: 491676	***31 WEBSTER STREET***	***SSE 1/4 - 1/2 (0.266 mi.)***	***U81***	***377***
REMINGTON RAND BUILD Site Code: 391230	***184 SWEENEY STREET***	***SE 1/4 - 1/2 (0.325 mi.)***	***AA94***	***453***

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 06/01/2020 has revealed that there are 25 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
211 MAIN STREET PROP ACRES property ID: 204481 Cleanup Completion Date: -	211 MAIN STREET	ENE 0 - 1/8 (0.018 mi.)	C14	31
KRUG GLAZING PROPERT ACRES property ID: 53341 Cleanup Completion Date: -	***190 OLIVER STREET***	***E 1/8 - 1/4 (0.135 mi.)***	***K42***	***142***
GATEWAY POINT 4 ACRES property ID: 60301 Cleanup Completion Date: -	***82 RIVER ROAD***	***S 1/8 - 1/4 (0.139 mi.)***	***L45***	***155***
78 BRIDGE STREET SIT ACRES property ID: 131165 Cleanup Completion Date: -	***78 BRIDGE STREET***	***W 1/8 - 1/4 (0.184 mi.)***	***N51***	***199***
COMPETITION TRANSMIS ACRES property ID: 55961 Cleanup Completion Date: -	***68 MAIN STREET***	***SSE 1/8 - 1/4 (0.193 mi.)***	***53***	***205***
64-66 WEBSTER STREEE ACRES property ID: 72213 Cleanup Completion Date: -	***64 WEBSTER STREET***	***SSE 1/8 - 1/4 (0.202 mi.)***	***P57***	***223***
51 WEBSTER STREET ACRES property ID: 176963	51 WEBSTER STREET	SSE 1/8 - 1/4 (0.221 mi.)	P62	241

Cleanup Completion Date: -				
34-38 WEBSTER STREET ACRES property ID: 101784 Cleanup Completion Date: -	***38 WEBSTER STREET***	***SSE 1/4 - 1/2 (0.252 mi.)***	***U74***	***331***
ARIDA SITE-1 ACRES property ID: 131162 Cleanup Completion Date: -	***133 MICHIGAN AVENUE***	***WNW 1/4 - 1/2 (0.262 mi.)***	***W78***	***358***
SMITH BOYS SITE -4 ACRES property ID: 161123 Cleanup Completion Date: -	220 MICHIGAN STREET	WNW 1/4 - 1/2 (0.267 mi.)	W82	383
53 OLIVER STREET ACRES property ID: 218341 Cleanup Completion Date: -	53 OLIVER STREET	ESE 1/4 - 1/2 (0.282 mi.)	Y86	395
ARIDA-3 ACRES property ID: 161101 Cleanup Completion Date: -	***4 BRIDGE STREET***	***W 1/4 - 1/2 (0.283 mi.)***	***Z87***	***400***
SMITH BOYS SITE -3 ACRES property ID: 161122 Cleanup Completion Date: -	250 MICHIGAN STREET	NW 1/4 - 1/2 (0.293 mi.)	90	440
REMINGTON RAND BUILD ACRES property ID: 30704 Cleanup Completion Date: -	***184 SWEENEY STREET***	***SE 1/4 - 1/2 (0.325 mi.)***	***AA95***	***494***
ARIDA-4 ACRES property ID: 161102 Cleanup Completion Date: -	***2 BRIDGE STREET***	***WNW 1/4 - 1/2 (0.348 mi.)***	***96***	***502***
SMITH BOYS SITE -1 ACRES property ID: 161103 Cleanup Completion Date: -	311 MICHIGAN STREET	NW 1/4 - 1/2 (0.374 mi.)	AB97	507
SMITH BOYS SITE -2 ACRES property ID: 161104 Cleanup Completion Date: -	312 MICHIGAN STREET	NW 1/4 - 1/2 (0.396 mi.)	AB98	510
ARIDA SITE-2 ACRES property ID: 131163 Cleanup Completion Date: -	***231 MICHIGAN AVENUE***	***NW 1/4 - 1/2 (0.412 mi.)***	***AB100***	***513***

Lower Elevation	Address	Direction / Distance	Map ID	Page
METZGER CONCRETE REM ACRES property ID: 53381 Cleanup Completion Date: -	***RIVER ROAD***	***N 0 - 1/8 (0.124 mi.)***	***G37***	***104***
GATEWAY POINT 6 ACRES property ID: 60341 Cleanup Completion Date: -	***78 RIVER ROAD***	***S 1/8 - 1/4 (0.177 mi.)***	***L50***	***196***
GATEWAY POINT 1 ACRES property ID: 20041 Cleanup Completion Date: -	***50 DOCK STREET***	***SSW 1/8 - 1/4 (0.192 mi.)***	***52***	***202***
GATEWAY POINT 2 ACRES property ID: 60261 Cleanup Completion Date: -	***18 DOCK STREET***	***SSW 1/8 - 1/4 (0.248 mi.)***	***T72***	***325***
GATEWAY POINT 3	***16 DOCK STREET***	***SSW 1/4 - 1/2 (0.251 mi.)***	***T73***	***328***

ACRES property ID: 60281
Cleanup Completion Date: -

GATEWAY POINT 5	***1 SWEENEY STREET***	***S 1/4 - 1/2 (0.263 mi.)***	***T80***	***374***
ACRES property ID: 60321 Cleanup Completion Date: -				
110 SWEENEY STREET S	***100 SWEENEY STREET***	***SSE 1/4 - 1/2 (0.305 mi.)***	***X92***	***444***
ACRES property ID: 131164 Cleanup Completion Date: -				

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 07/01/2020 has revealed that there is 1 NY SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROYAL OAK RECYCLING	***22 MECHANIC STREET***	***ESE 0 - 1/8 (0.117 mi.)***	***H33***	***85***

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 08/10/2020 has revealed that there are 19 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OIL FROM STORED MACH Spill Number/Closed Date: 9514920 / 1996-07-22 Site ID: 264038 Spill Date: 1996-02-01	197 MAIN STREET	ESE 0 - 1/8 (0.014 mi.)	C10	24
GRAVEL Spill Number/Closed Date: 2000103 / 2020-04-06 Site ID: 602717 Spill Date: 2020-04-06	231 MAIN ST	NE 0 - 1/8 (0.016 mi.)	11	25
NATIONAL GRID Spill Number/Closed Date: 1904146 / 2019-07-23 Site ID: 592129 Spill Date: 2019-07-22	260 RIVER RD	NW 0 - 1/8 (0.018 mi.)	B12	27
FAST LANE STATION Spill Number/Closed Date: 8606284 / 1987-01-27 Site ID: 284538 Spill Date: 1987-01-09	250 MAIN STREET	NNW 0 - 1/8 (0.030 mi.)	B18	49
STERLING MACHINERY T Spill Number/Closed Date: 9803406 / 1998-06-16	RIVER ROAD AT MAIN S	N 0 - 1/8 (0.040 mi.)	E21	57

Site ID: 232012
Spill Date: 1998-06-16

MULTIPLE POLE — 139 RIVER RD — S 0 - 1/8 (0.042 mi.) — D22 — 58
Spill Number/Closed Date: 1204369 / 2012-12-04
Site ID: 467254
Spill Date: 2012-08-02

SMITH BOYS MARINA — RIVER ROAD — NW 0 - 1/8 (0.057 mi.) — B26 — 71
Spill Number/Closed Date: 9103759 / 1991-08-06
Site ID: 215415
Spill Date: 1991-07-07

GULF/GATEWAY — 139 MAIN STREET — SE 0 - 1/8 (0.065 mi.) — F27 — 72
Spill Number/Closed Date: 9707619 / 1998-03-13
Site ID: 153717
Spill Date: 1997-09-28

NOCO/GULF GASOLINE S — 139 MAIN STREET — SE 0 - 1/8 (0.065 mi.) — F29 — 79
Spill Number/Closed Date: 1502165 / 2015-08-14
Site ID: 508414
Spill Date: 2015-05-01

CSX TRACK MAT — 300 RIVER VIEW AVE — NNW 0 - 1/8 (0.107 mi.) — G32 — 84
Spill Number/Closed Date: 1509835 / 2016-01-20
Site ID: 520477
Spill Date: 2016-01-02

ROYAL OAK RECYCLING — 22 MECHANIC STREET — ESE 0 - 1/8 (0.117 mi.) — H33 — 85
Spill Number/Closed Date: 1204833 / 2012-09-17
Site ID: 467736
Spill Date: 2012-08-14

RECYCLING — 22 MECHANIC STREET — ESE 0 - 1/8 (0.117 mi.) — H34 — 87
Spill Number/Closed Date: 1307194 / 2015-11-30
Site ID: 487851
Spill Date: 2013-10-09

STRIP MALL AND GULF — 105 -139 MAIN STREET — SE 0 - 1/8 (0.118 mi.) — 35 — 89
Spill Number/Closed Date: 0606789 / 2013-03-27
Site ID: 370189
Spill Date: 2006-09-12

Lower Elevation	Address	Direction / Distance	Map ID	Page

FAST LANE SERVICE — THOMPSON & RIVER ROA — NW 0 - 1/8 (0.012 mi.) — B9 — 23
Spill Number/Closed Date: 8701357 / 1987-11-16
Site ID: 122252
Spill Date: 1987-05-18

CENTRAL TRANSPORT — 200 RIVER RD — WSW 0 - 1/8 (0.022 mi.) — A15 — 39
Spill Number/Closed Date: 1506520 / 2015-09-28
Site ID: 513940
Spill Date: 2015-09-18

AMERICAN DESIGN & MA — 200 RIVER RD — WSW 0 - 1/8 (0.022 mi.) — A16 — 40
Spill Number/Closed Date: 8903790 / 1989-07-16
Spill Number/Closed Date: 9003579 / 1990-06-28
Site ID: 179797
Site ID: 179798
Spill Date: 1989-07-16

Spill Date: 1990-06-28

D-223 278 RIVER ROAD NNW 0 - 1/8 (0.055 mi.) B23 61
Spill Number/Closed Date: 1802313 / 2018-05-30
Site ID: 570895
Spill Date: 2018-05-28

SMITH BOYS INC ***278 RIVER RD*** ***NNW 0 - 1/8 (0.055 mi.)*** ***B24*** ***62***
Spill Number/Closed Date: 8903983 / 1989-07-25
Spill Number/Closed Date: 9201917 / 1992-05-25
Spill Number/Closed Date: 9875161 / 2001-04-25
Site ID: 280820
Site ID: 280821
Site ID: 280822
Spill Date: 1989-07-21
Spill Date: 1992-05-15
Spill Date: 1998-11-01

SMITH BOYS MARINA 278 RIVER ROAD NNW 0 - 1/8 (0.055 mi.) B25 70
Spill Number/Closed Date: 9210835 / 1992-12-21
Site ID: 205890
Spill Date: 1992-12-15

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 06/15/2020 has revealed that there are 13 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PROGRESSIVE MOTORS EPA ID:: NYD986907368	***65 ISLAND ST***	***S 0 - 1/8 (0.032 mi.)***	***D20***	***51***
TONDISCO INC EPA ID:: NYR000032748	***80 THOMPSON ST***	***NE 1/8 - 1/4 (0.134 mi.)***	***J39***	***109***
KRUGS GLAZING SERVIC EPA ID:: NYD987033099	190 OLIVER ST	E 1/8 - 1/4 (0.135 mi.)	K43	148
HULLEY WOODWORKING EPA ID:: NYR000016857	***190 OLIVER ST - 2ND***	***E 1/8 - 1/4 (0.135 mi.)***	***K44***	***151***
NYSDEC SCHRECKS SCRA EPA ID:: NYD986876308	***55 SCHENCK ST***	***NNE 1/8 - 1/4 (0.159 mi.)***	***M46***	***158***
SCHRECK'S SCRAPYARD EPA ID:: NYD981560931	***55 SCHENCK STREET***	***NNE 1/8 - 1/4 (0.159 mi.)***	***M48***	***165***
K S AUTO STORES INC EPA ID:: NYD049829021	***90 MANHATTAN ST***	***SSE 1/8 - 1/4 (0.160 mi.)***	***I49***	***191***
SWAGELOK BIOPHARM SE EPA ID:: NYD053076907	107 GOUNDRY ST	SE 1/8 - 1/4 (0.198 mi.)	O55	216
STATION 77	***EAST AVE***	***NE 1/8 - 1/4 (0.211 mi.)***	***R61***	***236***

EPA ID:: NYD980783328				
OCCIDENTAL CHEMICAL EPA ID:: NYD986905263	***PRESS PIT 55 SCHENCK***	***NE 1/8 - 1/4 (0.231 mi.)***	***R69***	***298***
GOBLIN CLEANERS EPA ID:: NYD012977021	***78 OLIVER ST***	***ESE 1/8 - 1/4 (0.234 mi.)***	***O71***	***320***

Lower Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN DESIGN & MF EPA ID:: NY0000040196	***200 RIVER RD***	***WSW 0 - 1/8 (0.022 mi.)***	***A17***	***43***
VAL-KRO INC EPA ID:: NYR000147694	369 RIVER ROAD	NNW 1/8 - 1/4 (0.230 mi.)	S67	278

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 06/30/2020 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
ENVIROTEK	***153 FILLMORE AVE***	***SE 1/2 - 1 (0.682 mi.)***	***104***	***527***

NY HSWDS: 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 latest version of the study 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 in the registry. So overtime they will be added to the registry or not.

A review of the NY HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there is 1 NY HSWDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INTERNATIONAL PAPER	50 BRIDGE STREET	W 1/8 - 1/4 (0.227 mi.)	N64	247

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 are 16 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PROGRESSIVE MOTORS EPA ID: NYD986907368	***65 ISLAND ST***	***S 0 - 1/8 (0.032 mi.)***	***D20***	***51***
AUTOZONE #2915	***2 GOUNDRY ST***	***S 0 - 1/8 (0.124 mi.)***	***I36***	***100***

EPA ID: NYR000201038				
CALAMAR CONSTRUCTION	***190 OLIVER ST SUITE***	***E 1/8 - 1/4 (0.135 mi.)***	***K41***	***121***
EPA ID: NYR000114033				
SCHRECK'S SCRAPYARD	***55 SCHENCK STREET***	***NNE 1/8 - 1/4 (0.159 mi.)***	***M48***	***165***
EPA ID: NYD981560931				
K S AUTO STORES INC	***90 MANHATTAN ST***	***SSE 1/8 - 1/4 (0.160 mi.)***	***I49***	***191***
EPA ID: NYD049829021				
SWAGELOK BIOPHARM SE	107 GOUNDRY ST	SE 1/8 - 1/4 (0.198 mi.)	O54	215
EPA ID: NYD053076907				
NIAGARA MOHAWK POWER	SCHENCK ST & N MARIO	NNE 1/8 - 1/4 (0.202 mi.)	56	222
EPA ID: NYP000963074				
STATION 77	***EAST AVE***	***NE 1/8 - 1/4 (0.211 mi.)***	***R61***	***236***
EPA ID: NYD980783328				
INTERNATIONAL FILLER	***50 BRIDGE ST***	***W 1/8 - 1/4 (0.227 mi.)***	***N65***	***248***
EPA ID: NYD002105914				
OCCIDENTAL CHEMICAL	***PRESS PIT 55 SCHENCK***	***NE 1/8 - 1/4 (0.231 mi.)***	***R69***	***298***
EPA ID: NYD986905263				
TAYLOR DEVICES INC	***200 TAYLOR DR***	***W 1/8 - 1/4 (0.231 mi.)***	***70***	***302***
EPA ID: NYD002105799				
GOBLIN CLEANERS	***78 OLIVER ST***	***ESE 1/8 - 1/4 (0.234 mi.)***	***O71***	***320***
EPA ID: NYD012977021				

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
AMERICAN DESIGN & MA	***200 RIVER RD***	***WSW 0 - 1/8 (0.022 mi.)***	***A16***	***40***
EPA ID: NYD000040196				
AMERICAN DESIGN & MF	***200 RIVER RD***	***WSW 0 - 1/8 (0.022 mi.)***	***A17***	***43***
EPA ID: NY0000040196				
SMITH BOYS INC	***278 RIVER RD***	***NNW 0 - 1/8 (0.055 mi.)***	***B24***	***62***
EPA ID: NYP000883025				
VAL-KRO INC.	***369 RIVER RD.***	***NNW 1/8 - 1/4 (0.230 mi.)***	***S68***	***285***
EPA ID: NYD980534275				
EPA ID: NYR000147694				

PA MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, and dated 06/30/2018 has revealed that there are 2 PA MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
TAYLOR DEVICES	90 TAYLOR DR	WNW 1/8 - 1/4 (0.207 mi.)	Q60	235
Generator EPA Id: NYD002105799				

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
VAL-KRO INC	***369 RIVER RD***	***NNW 1/8 - 1/4 (0.230 mi.)***	***S66***	***260***
Generator EPA Id: NYD980534275				

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there are 2 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TAYLOR DEVICES EPA Id: NYD002105799	90 TAYLOR RD	WNW 1/8 - 1/4 (0.207 mi.)	Q59	230
INTERNATIONAL FILLER EPA Id: NYD002105914	***50 BRIDGE ST***	***W 1/8 - 1/4 (0.227 mi.)***	***N65***	***248***

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.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GASTOWN M.G.P	126 EAST NIAGARA STR	SE 1/4 - 1/2 (0.459 mi.)	AC103	527

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 are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

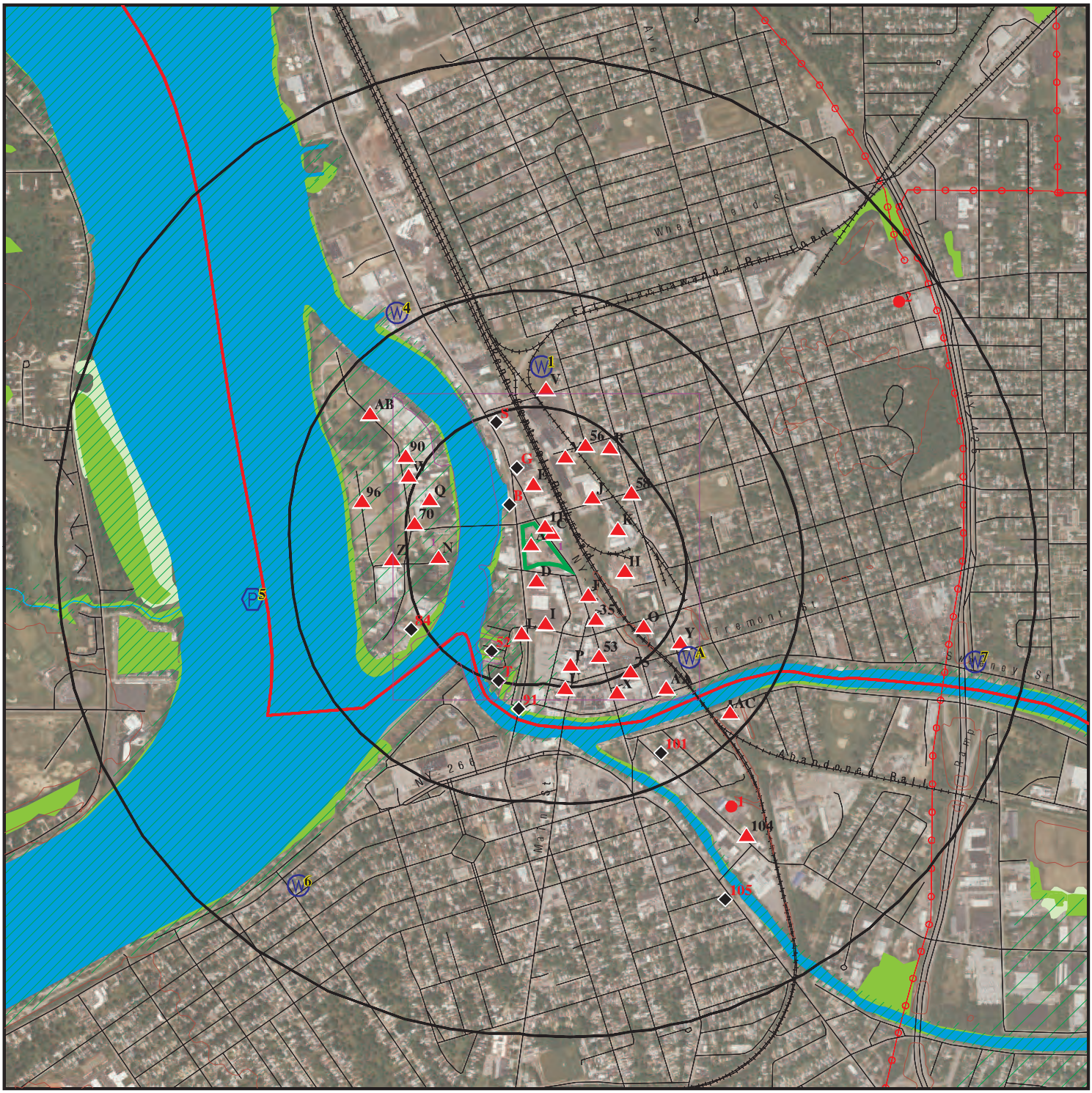
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JACKS HAMBLETON STAT	250 MAIN ST	NNW 0 - 1/8 (0.030 mi.)	B19	50
NOCO MOTOR FUELS INC	139 MAIN ST	SE 0 - 1/8 (0.065 mi.)	F28	79
PRESTO-FLITE INC	129 MAIN ST	SE 0 - 1/8 (0.081 mi.)	F30	81

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 10 records.

Site Name	Database(s)
TONAWANDA CITY LANDFILL	NY SHWS, NY INST CONTROL
GRAND ISLAND NIKE BASE	NY SHWS
GRATWICK - RIVERSIDE PARK	NY SHWS
DUREZ DIV. - OCCIDENTAL CHEMICAL C	NY SHWS
EXOLON CORPORATION	NY SHWS
SHANCO PLASTICS AND CHEMICALS	NY SHWS
GRATWICK RIVERSIDE PARK	SEMS
VETERANS PARK	SEMS-ARCHIVE
HOLIDAY PARK	NY SWF/LF
OLD TONAWANDA IRON WORKS	NY LTANKS

OVERVIEW MAP - 6286995.2S



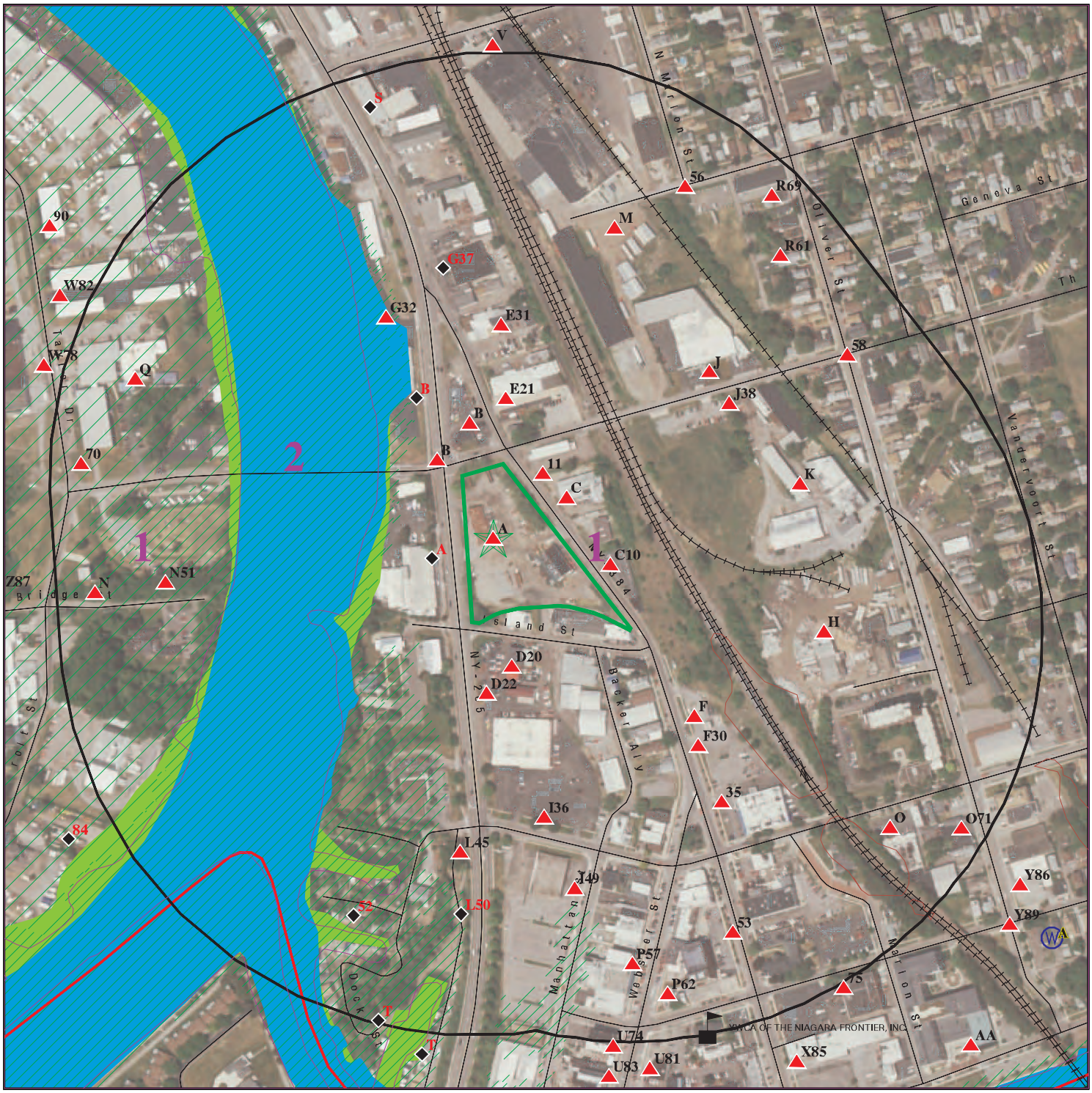
0 1/4 1/2 1 Miles

- 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:	River Road & Main Street Properties	CLIENT:	C & S Engineers, Inc.
ADDRESS:	173, 175, and 235 River Rd and 190 Main St North Tonawanda NY 14120	CONTACT:	Alex Brennen
LAT/LONG:	43.027322 / 78.879361	INQUIRY #:	6286995.2s
		DATE:	December 03, 2020 4:18 pm

DETAIL MAP - 6286995.2S



- 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
- 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:	River Road & Main Street Properties	CLIENT:	C & S Engineers, Inc.
ADDRESS:	173, 175, and 235 River Rd and 190 Main St North Tonawanda NY 14120	CONTACT:	Alex Brennen
LAT/LONG:	43.027322 / 78.879361	INQUIRY #:	6286995.2s
		DATE:	December 03, 2020 4:19 pm

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		0	0	0	0	NR	0
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		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	2	1	NR	NR	3
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	1	0	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		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	2	NR	NR	NR	2
RCRA-VSQG	0.250		2	2	NR	NR	NR	4
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	1	2	1	NR	4
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500	1	0	0	0	NR	NR	1
State and tribal leaking storage tank lists								
INDIAN LUST	0.500		0	0	0	NR	NR	0
NY LTANKS	0.500		0	3	12	NR	NR	15
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		2	3	NR	NR	NR	5
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	1	NR	NR	NR	1
NY MOSF	0.500		0	0	0	NR	NR	0
NY AST	0.250	1	0	1	NR	NR	NR	2
NY CBS AST	0.250		0	1	NR	NR	NR	1
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	1	2	NR	NR	3
NY INST CONTROL	0.500		0	1	2	NR	NR	3
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		1	0	2	NR	NR	3
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		2	9	14	NR	NR	25
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWRCY	0.500		1	0	0	NR	NR	1
NY SWTIRE	0.500		0	0	0	NR	NR	0
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
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		19	NR	NR	NR	NR	19
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	2	11	NR	NR	NR	14
FUDS	1.000		0	0	0	0	NR	0
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		0	0	0	0	NR	0
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		0	0	0	1	NR	1
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
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	1	0	0	NR	NR	NR	1
ABANDONED MINES	0.250	1	0	0	NR	NR	NR	1
FINDS	TP	2	NR	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
ECHO	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
NY AIRS	TP	1	NR	NR	NR	NR	NR	1
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	1	0	NR	NR	1
NY MANIFEST	0.250		5	11	NR	NR	NR	16
PA MANIFEST	0.250		0	2	NR	NR	NR	2
NJ MANIFEST	0.250		0	2	NR	NR	NR	2
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	1	0	NR	1
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
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	1	NR	NR	NR	NR	NR	1
- Totals --		10	37	54	37	2	0	140

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **BENMAN CO** **RCRA NonGen / NLR** **1000295153**
Target **190-196 MAIN ST** **FINDS** **NYD002101806**
Property **NORTH TONAWANDA, NY 14120** **ECHO**

Site 1 of 11 in cluster A

Actual:
571 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2007-01-01 00:00:00.0
Handler Name:	BENMAN CO	
Handler Address:		190-196 MAIN ST
Handler City,State,Zip:		NORTH TONAWANDA, NY 14120-5305
EPA ID:		NYD002101806
Contact Name:		Not reported
Contact Address:		MAIN ST
Contact City,State,Zip:		NORTH TONAWANDA, NY 14120
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 R9
Mailing Address:		MAIN ST
Mailing City,State,Zip:		NORTH TONAWANDA, NY 14120
Owner Name:		ESTATE OF BJ MANASEN
Owner Type:		Private
Operator Name:		ESTATE OF BJ MANASEN
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

BENMAN CO (Continued) **1000295153**

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:	F017
Waste Description:	Not Defined

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ESTATE OF BJ MANASEN
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:	ESTATE OF BJ MANASEN
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

BENMAN CO (Continued) **1000295153**

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: ESTATE OF BJ MANASEN
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: 1999-07-08 00:00:00.0
Handler Name: BENMAN 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: BENMAN 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: 2007-01-01 00:00:00.0
Handler Name: BENMAN 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: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

BENMAN CO (Continued) **1000295153**

Receive Date:	1980-07-03 00:00:00.0
Handler Name: BENMAN CO	
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:	337129
NAICS Description:	WOOD TELEVISION, RADIO, AND SEWING MACHINE CABINET MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110004338306

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000295153
Registry ID:	110004338306
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004338306
Name:	BENMAN CO
Address:	190-196 MAIN ST
City,State,Zip:	NORTH TONAWANDA, NY 14120

A2 **METZGER REMOVAL** **NY RGA LF** **S114959068**
Target **235 RIVER ROAD** **N/A**
Property **NORTH TONAWANDA, NY**

Site 2 of 11 in cluster A

Actual: **571 ft.**

RGA LF:

2012	METZGER REMOVAL	235 RIVER ROAD
2011	METZGER REMOVAL	235 RIVER ROAD
2010	METZGER REMOVAL	235 RIVER ROAD
2009	METZGER REMOVAL	235 RIVER ROAD
2008	METZGER REMOVAL	235 RIVER ROAD
2007	METZGER REMOVAL	235 RIVER ROAD
2006	METZGER REMOVAL	235 RIVER ROAD
2005	METZGER REMOVAL	235 RIVER ROAD
2004	METZGER REMOVAL	235 RIVER ROAD

A3 **METZGER REMOVAL INC** **FINDS** **1016320743**
Target **235 RIVER RD** **N/A**
Property **NORTH TONAWANDA, NY 14120**

Site 3 of 11 in cluster A

Actual: **571 ft.**

FINDS:
Registry ID: 110019392343

Click Here:

Environmental Interest/Information System:
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.

A4 **METZGER REMOVAL** **NY SWF/LF** **S105841309**
Target **235 RIVER ROAD** **N/A**
Property **NORTH TONAWANDA, NY 14120**

Site 4 of 11 in cluster A

Actual: **571 ft.**

SWF/LF:

Name:	METZGER REMOVAL
Address:	235 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Flag:	INACTIVE
Region Code:	9
Phone Number:	7166921810
Owner Name:	Metzger Removal; Inc.
Owner Type:	Private
Owner Address:	235 River Road
Owner Addr2:	Not reported
Owner City,St,Zip:	Tonawanda, NY 14120
Owner Email:	Not reported
Owner Phone:	7166921810
Contact Name:	Gary Metzger
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	NY
Contact Email:	metzger.removal@aol.com

METZGER REMOVAL (Continued) **S105841309**

Contact Phone:	7166921810
Activity Desc:	C&D processing - registration
Activity Number:	[32W03]
Active:	No
East Coordinate:	183923
North Coordinate:	4771160
Accuracy Code:	Not reported
Regulatory Status:	Registration
Waste Type:	Not reported
Authorization #:	32W03
Authorization Date:	7/10/1998
Expiration Date:	Not reported
Operator Name:	Metzger Removal Inc.
Operator Type:	Private
Laste Date:	Not reported

A5 **LIPPMANN PORTABLE IMPACT PLT #1MP5165LS** **US MINES** **1024918254**
Target **235 RIVER ROAD** **N/A**
Property **NORTH TONAWANDA, NY 14120**

Site 5 of 11 in cluster A

Actual:
571 ft.

MINES VIOLATIONS:

Name:	LIPPMANN PORTABLE IMPACT PLT #1MP5165LS
Address:	235 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Facility ID:	Not reported

MINES VIOLATIONS:

Violation Number:	8580840
Mine ID:	3003791
Contractor ID:	Not reported
Date Issued:	11/08/2010
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	11/10/2010
Title 30 Code of Federal Regulations:	41.11
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2010
Address Type:	MineLocation
PO Box:	Not reported
Address:	235 RIVER ROAD
City:	NORTH TONAWANDA
State:	NY
Operator:	Metzger Removal Inc
Zip:	14120
Mine Controller Name:	Gary Metzger
Name:	LIPPMANN PORTABLE IMPACT PLT #1MP5165LS
Ownership Date:	11/01/2010
Mine Status:	Abandoned
Status Date:	10/01/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface

LIPPMANN PORTABLE IMPACT PLT #1MP5165LS (Continued) **1024918254**

State 2:	NY
County:	NIAGARA
Violation Number:	8580841
Mine ID:	3003791
Contractor ID:	Not reported
Date Issued:	11/08/2010
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	11/10/2010
Title 30 Code of Federal Regulations:	56.20008(a)
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2010
Address Type:	MineLocation
PO Box:	Not reported
Address:	235 RIVER ROAD
City:	NORTH TONAWANDA
State:	NY
Operator:	Metzger Removal Inc
Zip:	14120
Mine Controller Name:	Gary Metzger
Name:	LIPPMANN PORTABLE IMPACT PLT #1MP5165LS
Ownership Date:	11/01/2010
Mine Status:	Abandoned
Status Date:	10/01/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	NY
County:	NIAGARA
Violation Number:	8580842
Mine ID:	3003791
Contractor ID:	Not reported
Date Issued:	11/08/2010
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	11/10/2010
Title 30 Code of Federal Regulations:	56.4201(a)(2)
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2010
Address Type:	MineLocation
PO Box:	Not reported
Address:	235 RIVER ROAD
City:	NORTH TONAWANDA
State:	NY
Operator:	Metzger Removal Inc
Zip:	14120

LIPPMANN PORTABLE IMPACT PLT #1MP5165LS (Continued) **1024918254**

Mine Controller Name:	Gary Metzger
Name:	LIPPMANN PORTABLE IMPACT PLT #1MP5165LS
Ownership Date:	11/01/2010
Mine Status:	Abandoned
Status Date:	10/01/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	NY
County:	NIAGARA

A6 **METZGER REMOVAL INC** **NY AST** **A100307873**
Target **235 RIVER ROAD** **N/A**
Property **NORTH TONAWANDA, NY 14120**

Site 6 of 11 in cluster A

Actual:
571 ft.

AST:

Name:	METZGER REMOVAL INC
Address:	235 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Region:	STATE
DEC Region:	9
Site Status:	Active
Facility Id:	9-600970
Program Type:	PBS
UTM X:	183910.44244
UTM Y:	4771159.70912
Expiration Date:	08/20/2022
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	386152
Affiliation Type:	Facility Owner
Company Name:	METZGER REMOVAL INC
Contact Type:	PRESIDENT
Contact Name:	GARY METZGER
Address1:	235 RIVER ROAD
Address2:	Not reported
City:	NORTH TONAWANDA
State:	NY
Zip Code:	14120
Country Code:	001
Phone:	(716) 692-1810
EMail:	METZGER.REMOVAL@GMAIL.COM
Fax Number:	Not reported
Modified By:	AESKALSK
Date Last Modified:	2019-01-18

Site Id:	386152
Affiliation Type:	Mail Contact
Company Name:	METZGER REMOVAL INC
Contact Type:	PRESIDENT
Contact Name:	GARY METZGER
Address1:	235 RIVER ROAD
Address2:	Not reported
City:	NORTH TONAWANDA
State:	NY

METZGER REMOVAL INC (Continued) **A100307873**

Zip Code:	14120
Country Code:	001
Phone:	(716) 692-1810
EMail:	METZGER.REMOVAL@GMAIL.COM
Fax Number:	Not reported
Modified By:	AESKALSK
Date Last Modified:	2019-01-18

Site Id:	386152
Affiliation Type:	Facility Operator
Company Name:	METZGER REMOVAL INC
Contact Type:	Not reported
Contact Name:	GARY METZGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 692-1810
EMail:	Not reported
Fax Number:	Not reported
Modified By:	LDGOMEZ
Date Last Modified:	2007-08-20

Site Id:	386152
Affiliation Type:	Emergency Contact
Company Name:	METZGER REMOVAL INC
Contact Type:	Not reported
Contact Name:	GARY METZGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 818-4000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	LDGOMEZ
Date Last Modified:	2007-08-20

Tank Info:

Tank Number:	1
Tank Id:	218962
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

F00 - Pipe External Protection - None
J01 - Dispenser - Pressurized Dispenser
C00 - Pipe Location - No Piping
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating

METZGER REMOVAL INC (Continued) **A100307873**

H00 - Tank Leak Detection - None
I00 - Overfill - None
E00 - Piping Secondary Containment - None
L00 - Piping Leak Detection - None
G01 - Tank Secondary Containment - Diking (Aboveground)
D00 - Pipe Type - No Piping

Tank Location:	Aboveground - contact with impervious barrier... Tank bottom rests on impervious barrier, allowing visual indication of leaks.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/11/2005
Capacity Gallons:	500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LDGOMEZ
Last Modified:	04/14/2017
Material Name:	diesel
Tank Number:	2
Tank Id:	218963
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

J01 - Dispenser - Pressurized Dispenser
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
D00 - Pipe Type - No Piping
G01 - Tank Secondary Containment - Diking (Aboveground)

Tank Location:	Aboveground - contact with impervious barrier... Tank bottom rests on impervious barrier, allowing visual indication of leaks.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/11/2005
Capacity Gallons:	1000
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	diesel

METZGER REMOVAL INC (Continued) **A100307873**

Tank Number: 3
Tank Id: 278849

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
K01 - Spill Prevention - Catch Basin
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
J04 - Dispenser - On Site Heating System (Suction)
L00 - Piping Leak Detection - None
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: In Service
Pipe Model: Not reported
Install Date: 10/01/2015
Capacity Gallons: 575
Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: AESKALSK
Last Modified: 01/18/2019
Material Name: used oil (heating, on-site consumption)

Tank Number: 4
Tank Id: 278850

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J00 - Dispenser - None
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: In Service
Pipe Model: Not reported
Install Date: 10/01/2015
Capacity Gallons: 275
Tightness Test Method: -
Date Test: Not reported

METZGER REMOVAL INC (Continued) **A100307873**

Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	used oil (heating, on-site consumption)
Tank Number:	5
Tank Id:	278851

Equipment Records:

J06 - Dispenser - Tank Mounted Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I00 - Overfill - None
K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None
L00 - Piping 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:	In Service
Pipe Model:	Not reported
Install Date:	07/01/2015
Capacity Gallons:	275
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	motor oil
Tank Number:	6
Tank Id:	278852

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
K01 - Spill Prevention - Catch Basin
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
J06 - Dispenser - Tank Mounted Dispenser
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
G00 - Tank Secondary Containment - None

Tank Location:	Aboveground - on saddles, legs, racks, etc.... Tank bottom is elevated

METZGER REMOVAL INC (Continued) **A100307873**

	above grade or tank pad, allowing visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/01/2015
Capacity Gallons:	160
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	motor oil
Tank Number:	7
Tank Id:	278853

Equipment Records:

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
J06 - Dispenser - Tank Mounted Dispenser
D00 - Pipe Type - No Piping
L00 - Piping Leak Detection - None
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:	In Service
Pipe Model:	Not reported
Install Date:	07/01/2015
Capacity Gallons:	160
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	motor oil
Tank Number:	8
Tank Id:	278854

Equipment Records:

J06 - Dispenser - Tank Mounted Dispenser
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating

METZGER REMOVAL INC (Continued) **A100307873**

K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
L00 - Piping 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:	In Service
Pipe Model:	Not reported
Install Date:	07/01/2015
Capacity Gallons:	130
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	motor oil

A7 **METZGER REMOVAL INC** **NY AIRS** **S121493073**
Target **235 RIVER RD PORTABLE UNIT** **N/A**
Property **NORTH TONAWANDA, NY 14120**

Site 7 of 11 in cluster A

Actual: **571 ft.**

AIRS:

Name:	METZGER REMOVAL INC
Address:	235 RIVER RD PORTABLE UNIT
City:	NORTH TONAWANDA
Permit Type:	ASF
Permit Status:	Expired
Issue Date:	08/05/2011
Expiration Date:	Not reported
County Fips:	Not reported
DEC Id:	9990900090
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported
Auth Type Code:	7
Latitude:	43.026767108
Longitude:	78.880834237

Name:	METZGER REMOVAL INC
Address:	235 RIVER RD PORTABLE UNIT
City:	NORTH TONAWANDA
Permit Type:	ASF
Permit Status:	Expired
Issue Date:	06/03/2004
Expiration Date:	08/05/2011
County Fips:	Not reported

METZGER REMOVAL INC (Continued) **S121493073**

DEC Id:	9990900090
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported
Auth Type Code:	7
Latitude:	43.026767108
Longitude:	78.880834237

Name:	METZGER REMOVAL INC
Address:	235 RIVER RD PORTABLE UNIT
City:	NORTH TONAWANDA
Permit Type:	ASF
Permit Status:	Expired
Issue Date:	08/05/2011
Expiration Date:	Not reported
County Fips:	Not reported
DEC Id:	9990900090
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported
Auth Type Code:	7
Latitude:	43.026767108
Longitude:	78.880834237

Name:	METZGER REMOVAL INC
Address:	235 RIVER RD PORTABLE UNIT
City:	NORTH TONAWANDA
Permit Type:	ASF
Permit Status:	Expired
Issue Date:	06/03/2004
Expiration Date:	08/05/2011
County Fips:	Not reported
DEC Id:	9990900090
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported
Auth Type Code:	7
Latitude:	43.026767108
Longitude:	78.880834237

A8 **LIPPMANN PORTABLE IMPACT PLT #1MP5165LS** **ABANDONED MINES** **1018217732**
Target **235 RIVER ROAD** **N/A**
Property **NORTH TONAWANDA, NY 14120**

Site 8 of 11 in cluster A

Actual: **571 ft.**

ABANDONED MINES:

Mine ID:	3003791
Mine Name:	LIPPMANN PORTABLE IMPACT PLT #1MP5165LS
Mine Address:	235 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 141205707
Primary SIC Code:	Crushed, Broken Stone NEC
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	10/1/2014
Coal (C) or Metal (M) Mine:	M
Controller ID:	0093533
Controller Name:	Gary Metzger
Operator ID:	0110625
Operator name:	Metzger Removal Inc
Address of Record Street:	235 River Road
Address of Record PO Box:	Not reported
Address of Record City:	N. Tonawanda
Address of Record State:	NY
Address of Record Zip Code:	141205707
Assessment Address Street:	235 River Road
Assessment Address PO Box:	Not reported
Assessment Address City:	N TONAWANDA
Assessment Address State:	NY
Assessment Address Zip Code:	141205707
Mine Health and Safety Address Street:	235 River Road
Mine Health and Safety Address PO Box:	Not reported
Mine Health and Safety Address City:	North Tonawanda
Mine Health and Safety Address State:	NY
Mine Health and Safety Address Zip Code:	141205707
Latitude:	Not reported
Longitude:	Not reported

B9 **FAST LANE SERVICE** **NY Spills** **S102131945**
NW **THOMPSON & RIVER ROADS** **N/A**
< 1/8 **NORTH TONAWANDA, NY**
0.012 mi.
65 ft. **Site 1 of 8 in cluster B**

Relative: **Lower**

Actual: **570 ft.**

SPILLS:

Name:	FAST LANE SERVICE
Address:	THOMPSON & RIVER ROADS
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8701357 / 1987-11-16
Facility ID:	8701357
Facility Type:	ER
DER Facility ID:	106010
Site ID:	122252
DEC Region:	9
Spill Cause:	Deliberate
Spill Class:	Not reported
SWIS:	3212
Spill Date:	1987-05-18
Investigator:	MJHINTON
Referred To:	Not reported

FAST LANE SERVICE (Continued) **S102131945**

Reported to Dept:	1987-05-18
CID:	Not reported
Water Affected:	NIAGARA RIVER
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Affected Persons
Cleanup Ceased:	1987-11-16
Cleanup Meets Std:	True
Last Inspection:	1987-05-20
Recommended Penalty:	True
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1987-05-27
Spill Record Last Update:	1988-05-23
Spiller Name:	Not reported
Spiller Company:	FAST LANE SERVICE
Spiller Address:	250 MIAN STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJH / / : USCG HIRED ELMWOOD TANK TO INSTALL BOOMS AND CLEANUP STORM SEWER, DEC TO PROVIDE DISPOSAL THROUGH CONTRACTOR. / / : NEPCCO ON SITE 8/6/87 TO DRUM AND DISPOSE OF SOIL. "
Remarks:	"DUMPING OF WASTE OIL INTO SEWER, SHEEN ON NIAGARA RIVER, USCG NOTIFIED BY SMITH BOYS MARINA"

All Materials:

Site ID:	122252
Operable Unit ID:	907833
Operable Unit:	01
Material ID:	471295
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25.00
Units:	G
Recovered:	25.00
Oxygenate:	Not reported

C10 **OIL FROM STORED MACHINERY** **NY Spills** **S102401581**
ESE **197 MAIN STREET** **N/A**
< 1/8 **NORTH TONAWANDA, NY**
0.014 mi.
76 ft. **Site 1 of 3 in cluster C**

Relative: **Higher**
Actual: **574 ft.**

SPILLS:

Name:	OIL FROM STORED MACHINERY
Address:	197 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9514920 / 1996-07-22
Facility ID:	9514920
Facility Type:	ER
DER Facility ID:	215218
Site ID:	264038
DEC Region:	9
Spill Cause:	Housekeeping
Spill Class:	E6

OIL FROM STORED MACHINERY (Continued) **S102401581**

SWIS:	3212
Spill Date:	1996-02-01
Investigator:	SACALAND
Referred To:	NIAGARA CNTY HEALTH DEPT
Reported to Dept:	1996-02-21
CID:	297
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1996-02-21
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-02-21
Spill Record Last Update:	1996-08-05
Spiller Name:	Not reported
Spiller Company:	NONE
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 SAC-NCHD 2/21/96:MNP FAXED COPY OF REPORT TO NCHD,SAC TELECON BOB BUZZELLI/NCHD,BOB IS FOLLOWING UP. 7/22/96:RECEIVED NCHD INSPECTION REPORT FROM BOB BUZZELLI/NCHD, NO SPILLING IS EVIDENT,NIAGARA RIVER IS 1/4 MILE AWAY&WILL NOT LIKELY IMPACT RIVER "
Remarks:	"caller claims that property has oil spilled on property from various machines stored on site - site is near the niagra river"

All Materials:

Site ID:	264038
Operable Unit ID:	1029626
Operable Unit:	01
Material ID:	355041
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

11
NE
< 1/8
0.016 mi.
84 ft.

GRAVEL **NY Spills** **S126221436**
231 MAIN ST **N/A**
NORTH TONAWANDA, NY

Relative:
Higher

Actual:
573 ft.

SPILLS:

Name:	GRAVEL
Address:	231 MAIN ST
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	2000103 / 2020-04-06
Facility ID:	2000103
Facility Type:	ER

GRAVEL (Continued) **S126221436**

DER Facility ID:	551238
Site ID:	602717
DEC Region:	9
Spill Cause:	Equipment Failure
Spill Class:	D4
SWIS:	3212
Spill Date:	2020-04-06
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2020-04-06
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
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:	2020-04-06
Spill Record Last Update:	2020-04-06
Spiller Name:	LISA MONTESANO
Spiller Company:	NATIONAL GRID
Spiller Address:	231 MAIN ST
Spiller Company:	999
Contact Name:	J GIFT
DEC Memo:	"4/6/2020:SAC TELECON JAY GIFT - NATIONAL GRID. MR. GIFT SAID SPILL WAS DUE TO A LINE FAILURE ON A TRUCK. THEY WILL CLEANUP THE SPILL. NATIONAL GRID DISPOSES OF CONTAMINATED MATERIAL GENERATED FROM HYDRAULIC OIL SPILLS THROUGH A DEDICATED DUMPSTER AT THEIR FACILITY. NO FURTHER ACTION IS REQUIRED."
Remarks:	"unknown failure clean up pending"

All Materials:

Site ID:	602717
Operable Unit ID:	1349864
Operable Unit:	01
Material ID:	2360499
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

B12 **NATIONAL GRID** **NY Spills** **S124519075**
NW **260 RIVER RD** **N/A**
< 1/8 **NORTH TONAWANDA, NY 14120**
0.018 mi.
96 ft. **Site 2 of 8 in cluster B**

Relative:
Higher

Actual:
571 ft.

SPILLS:

Name:	NATIONAL GRID
Address:	260 RIVER RD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Spill Number/Closed Date:	1904146 / 2019-07-23
Facility ID:	1904146
Facility Type:	ER
DER Facility ID:	542237
Site ID:	592129
DEC Region:	9
Spill Cause:	Equipment Failure
Spill Class:	D4
SWIS:	3212
Spill Date:	2019-07-22
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2019-07-22
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
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:	2019-07-22
Spill Record Last Update:	2019-07-23
Spiller Name:	LISA MONTESANO
Spiller Company:	NATIONAL GRID
Spiller Address:	144 KENSINGTON AVENUE
Spiller Company:	001
Contact Name:	LISA MONTESANO
DEC Memo:	"7/23/19:SMALLL NUISANCE SPILL. NATIONAL GRID USES PRE WASTE CHARACTERIZED DEDICATED DUMPSTER TO DISPOSE OF CONTAMINATED MATERIAL FROM THE CLEANUP IN A BULK SHIPMENT. NO FURTHER WORK IS REQUIRED."
Remarks:	"less than 1 quart to pavement, c/u pending"

All Materials:

Site ID:	592129
Operable Unit ID:	1339735
Operable Unit:	01
Material ID:	2349331
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

C13 **211 MAIN STREET** **NY BROWNFIELDS** **S121933788**
ENE **211 MAIN STREET** **N/A**
< 1/8 **NORTH TONAWANDA, NY 14120**
0.018 mi.
97 ft. **Site 2 of 3 in cluster C**

Relative:
Higher

Actual:
573 ft.

BROWNFIELDS:

Name:	211 MAIN STREET
Address:	211 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Program:	BCP
Site Code:	564860
Acres:	0.67
HW Code:	C932171
SWIS:	3212
Town:	North Tonawanda (c)
Record Added Date:	12/07/2017
Record Updated Date:	07/20/2020
Update By:	SFRADON
Site Description:	Location: The site is located at 211 Main Street in the City of North Tonawanda, Niagara County, just south of the intersection of Main and Thompson Streets. The site is 0.67 acres in size, and is bordered on the west by Main Street, commercial properties, River Road, and the Little Niagara River; on the south by commercial properties; on the east by a rail line, vacant and commercial properties; and to the north by commercial property and Thompson Street. Site Features: The site contains an approximately 11,000-square foot building that was deemed unfit for occupancy by the City of North Tonawanda in 2015. The building is surrounded by asphalt and gravel parking lots with a fence at the property lines. The site is generally flat, but gently slopes to the west. Surface drainage is primarily towards storm drains located along Main Street to the west. Current Zoning and Land Use: The property is zoned for industrial use and is currently vacant. Surrounding properties are zoned for industrial, commercial, and residential uses. The nearest residential properties are located approximately 1000 feet east of the site Past Use of the Site: The site was first developed as a lumber mill in the 1880s, and maintained that use until the 1960s. Since that time, the site has been used as an automobile service station and a warehouse. Historical operations at the property included lumber planing, pallet production, industrial cutting, machinery sales, and automobile repair, storage and painting. In September 2017, a Phase II Environmental Site Assessment (ESA) was completed at the property. This investigation documented the presence of several semi-volatile organic compounds (SVOCs) and arsenic at concentrations that exceeded the Department’s Part 375 commercial use soil cleanup objectives (SCOs). Groundwater at the site, however, was not impacted by these contaminants. Remedial History: Field activities for a BCP Remedial Investigation at this site have not yet started. Site Geology and Hydrogeology: Asphalt and gravel sub-base was observed throughout the site from the surface to eight inches below grade. Fill material, consisting of crushed rock, lumber, sand, ash/cinders, bricks, ceramics, and gravel, was encountered throughout the site to depths up to six feet below grade. Native reddish-brown clay was observed directly beneath the fill. Bedrock was not encountered at the site. Four (4) overburden groundwater monitoring wells were installed at the 211 Main Street Site. Depth to groundwater at the site ranges from 2.0 to 6.4 feet below grade, with groundwater flowing to the northwest towards the Little Niagara River. The site and surrounding

211 MAIN STREET (Continued) **S121933788**

area are serviced by a public water system not affected by site contamination; contaminated groundwater at the site and surrounding area is not used for drinking or other purposes.

Env Problem: During the Environmental Site Assessments completed at this site and the Remedial Investigation (RI) completed in 2019, samples for analysis were collected from surface soil/fill, subsurface fill, native soil and groundwater. Surface water and sediment are not found at the site. A soil vapor intrusion investigation was not completed at the site because VOCs were not detected in site soils, fill or groundwater. Surface soil/fill, subsurface fill and native soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), and metals. Groundwater was also analyzed for VOCs, SVOCs, pesticides, PCBs, metals and emerging contaminants. These investigations determined that metals and several polycyclic aromatic hydrocarbons (PAHs) were the primary contaminants of concern at the site. Remedial Investigation Results: Surface Soil/Fill: Thirty-three (33) surface soil/fill samples (0 to 4-inch depth) were collected from on-site and analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. No VOCs, pesticides, or PCBs were detected above the Department s Part 375 unrestricted use soil cleanup objectives (SCOs). Several SVOCs, specifically PAHs, were detected in on-site soils above the Department s Part 375 unrestricted use SCOs. The PAHs that exceeded the Part 375 unrestricted use SCOs in over 25% of the samples collected (with the number of exceedances and highest concentrations) include (Figure 3): benzo(a)anthracene (9 samples exceeded the 1.0 ppm SCO; maximum detection 34.3 parts per million (ppm); benzo(a)pyrene (8 samples exceeded the 1.0 ppm SCO; maximum detection 30.9 ppm); benzo(b)fluoranthene (10 samples exceeded the 1.0 ppm SCO; maximum detection 50.5 ppm); chrysene (8 samples exceeded the 1.0 ppm SCO; maximum detection 27.6 ppm); and indeno(1,2,3-cd)pyrene (10 samples exceeded the 0.5 ppm SCO; maximum detection 36.0 ppm). Several metals were detected in on-site surface soil/fill above the Department s Part 375 unrestricted use SCOs. These metals (with the number of exceedances and highest concentrations) include (Figure 3): arsenic (12 samples exceeded the 13 ppm SCO; maximum detection 61.0 ppm); copper (17 samples exceeded the 50 ppm SCO; maximum detection 280 ppm); lead (25 samples exceeded the 63 ppm SCO; maximum detection 328 ppm); mercury (19 samples exceeded the 0.18 ppm SCO; maximum detection 0.99 ppm); and zinc (24 samples exceeded the 109 ppm SCO; maximum detection 950 ppm). Subsurface Fill: Thirteen (13) subsurface fill samples (0.5 to 6-feet depth) were collected from on-site and analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. No VOCs, pesticides, or PCBs were detected above the Department s Part 375 unrestricted use SCOs. No PAHs exceeded the Part 375 unrestricted use SCOs in over 25% of the samples collected. Several metals were detected in on-site subsurface fill above the Department s Part 375 unrestricted use SCOs. These metals (with the number of exceedances and highest concentrations) include (Figure 4A): arsenic (4 samples exceeded the 13 ppm SCO; maximum detection 19.3 ppm); lead (12 samples exceeded the 63 ppm SCO; maximum detection 792 ppm); mercury (5 samples exceeded the 0.18 ppm SCO; maximum detection 1.07 ppm); and zinc (11 samples exceeded the 109 ppm SCO; maximum detection 562 ppm). Native Soil: Sixteen (16) native soil samples were collected from on-site and analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. None of these contaminants were detected above the Department s Part 375 unrestricted use SCOs

211 MAIN STREET (Continued) **S121933788**

	(Figure 4B). Groundwater: Eleven (11) overburden groundwater samples were collected from the four (4) on-site wells and analyzed for VOCs, SVOCs, pesticides, PCBs, metals, and emerging contaminants. Three metals (iron, manganese and sodium) were detected in on-site groundwater above the Department s groundwater standards or guidance values. These metals are naturally occurring and likely represent groundwater conditions in the area. Contaminants that exceeded the Department's groundwater screening levels (with the number of exceedances and highest concentrations) include (Figure 5): perfluorooctanoic acid (PFOA; 4 samples exceeded the 10 parts per trillion (ppt) Screening Level; maximum detection 29.4 ppt); and perfluorooctanesulfonic acid (PFOS; 2 samples exceeded the 10 ppt Groundwater Screening Level; maximum detection 22.8 ppt). The area surrounding the site is serviced by a public water supply.
Health Problem:	Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.
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:	7/19/2018 3:06:00 PM
Record Upd:	6/6/2019 1:28:00 PM
Updated By:	GWHEITZM
Own Op:	6
Sub Type:	P03
Owner Name:	Kelley D. Culp-Burton
Owner Company:	Enterprise Lumber & Silo, LLC
Owner Address:	2528 Nicole Drive
Owner Addr2:	Not reported
Owner City,St,Zip:	Wheatfield, NY 14304
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	North Tonawanda Public Library
Owner Address:	505 Meadow Drive
Owner Addr2:	Not reported
Owner City,St,Zip:	North Tonawanda, NY 14120
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Kelley D. Culp-Burton
Owner Company:	Enterprise Lumber & Silo, LLC
Owner Address:	2528 Nicole Drive
Owner Addr2:	Not reported
Owner City,St,Zip:	Wheatfield, NY 14304
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	arsenic
Waste Quantity:	UNKNOWN
Waste Code:	Not reported

211 MAIN STREET (Continued) **S121933788**

HW Code:	Not reported
Waste Type:	indeno(1,2,3-CD)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	benzo(a)anthracene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	benzo(a)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	copper
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	dibenz[a,h]anthracene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	benzo(b)fluoranthene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	lead
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	mercury
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	zinc
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

C14 **211 MAIN STREET PROPERTY** **US BROWNFIELDS** **1018149644**
ENE **211 MAIN STREET** **N/A**
< 1/8 **NORTH TONAWANDA, NY 14120**
0.018 mi.
97 ft. **Site 3 of 3 in cluster C**

Relative: US BROWNFIELDS:
Higher

Name:	211 MAIN STREET PROPERTY
Address:	211 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	County of Niagara New York

Actual:
573 ft.

211 MAIN STREET PROPERTY (Continued) **1018149644**

Grant Type:	Assessment
Property Number:	185.05-1-80.21
Parcel size:	1
Latitude:	43.027721
Longitude:	-78.878277
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:	204481
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	44575
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:	96277116
Start Date:	5/16/2016
Ownership Entity:	Private
Completion Date:	-
Current Owner:	Enterprise Lumber & Silo LLC
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	5/15/2018
State/tribal program ID:	C932171
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-

211 MAIN STREET PROPERTY (Continued) **1018149644**

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:	1
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	1
Future use industrial acreage:	-
Superfund Fed. landowner flag:	Y
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:	Y
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:	Y

211 MAIN STREET PROPERTY (Continued) **1018149644**

Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Occupied by 11,000 SF building that is currently vacant. Recently used for auto maintenance and landscape equipment storage. Historically used as lumber mill and machine shop.
Below Poverty Number:	525
Below Poverty Percent:	22.81
Meidan Income:	4530
Meidan Income Number:	1078
Meidan Income Percent:	46.83
Vacant Housing Number:	176
Vacant Housing Percent:	12.76
Unemployed Number:	125
Unemployed Percent:	5.43

Name:	211 MAIN STREET PROPERTY
Address:	211 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	R2 TBA - New York (STAG Funded)
Grant Type:	TBA
Property Number:	185.05-1-80.21
Parcel size:	1
Latitude:	43.027721
Longitude:	-78.878277
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:	204481
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	9953
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	n/a
Start Date:	2/20/2015
Ownership Entity:	Private

211 MAIN STREET PROPERTY (Continued) **1018149644**

Completion Date:	8/27/2015
Current Owner:	Enterprise Lumber & Silo LLC
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	5/15/2018
State/tribal program ID:	C932171
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
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:	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:	1
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	1

211 MAIN STREET PROPERTY (Continued) **1018149644**

Future use industrial acreage:	-
Superfund Fed. landowner flag:	Y
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:	Y
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:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Occupied by 11,000 SF building that is currently vacant. Recently used for auto maintenance and landscape equipment storage. Historically used as lumber mill and machine shop.
Below Poverty Number:	525
Below Poverty Percent:	22.81
Meidan Income:	4530
Meidan Income Number:	1078
Meidan Income Percent:	46.83
Vacant Housing Number:	176
Vacant Housing Percent:	12.76
Unemployed Number:	125
Unemployed Percent:	5.43
Name:	211 MAIN STREET PROPERTY
Address:	211 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	County of Niagara New York
Grant Type:	BCRLF
Property Number:	185.05-1-80.21
Parcel size:	1
Latitude:	43.027721
Longitude:	-78.878277
HCM Label:	Address Matching-House Number
Map Scale:	-

211 MAIN STREET PROPERTY (Continued) **1018149644**

Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	204481
IC Data Access:	-
Start Date:	5/15/2018
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	400000
Cleanup Funding Source:	EPA
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	Brownfields RLF Grant Funds Loaned
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	96270616
Start Date:	-
Ownership Entity:	Private
Completion Date:	-
Current Owner:	Enterprise Lumber & Silo LLC
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	5/15/2018
State/tribal program ID:	C932171
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
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:	Y
Other metals cleaned:	-

211 MAIN STREET PROPERTY (Continued) **1018149644**

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:	1
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	1
Future use industrial acreage:	-
Superfund Fed. landowner flag:	Y
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:	Y
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:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-

211 MAIN STREET PROPERTY (Continued) **1018149644**

Past Use: Multistory	-
Property Description:	Occupied by 11,000 SF building that is currently vacant. Recently used for auto maintenance and landscape equipment storage. Historically used as lumber mill and machine shop.
Below Poverty Number:	525
Below Poverty Percent:	22.81
Meidan Income:	4530
Meidan Income Number:	1078
Meidan Income Percent:	46.83
Vacant Housing Number:	176
Vacant Housing Percent:	12.76
Unemployed Number:	125
Unemployed Percent:	5.43

A15 **CENTRAL TRANSPORT** **NY Spills** **S118261709**
WSW **200 RIVER RD** **N/A**
< 1/8 **NORTH TONAWANDA, NY**
0.022 mi.
114 ft. **Site 9 of 11 in cluster A**

Relative: SPILLS:
Lower

Actual:
570 ft.

Name:	CENTRAL TRANSPORT
Address:	200 RIVER RD
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	1506520 / 2015-09-28
Facility ID:	1506520
Facility Type:	ER
DER Facility ID:	468423
Site ID:	513940
DEC Region:	9
Spill Cause:	Equipment Failure
Spill Class:	D3
SWIS:	3212
Spill Date:	2015-09-18
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	2015-09-18
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
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:	2015-09-18
Spill Record Last Update:	2015-09-28
Spiller Name:	Not reported
Spiller Company:	CENTRAL TRANSPORT
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	JOE ASCIUCTO
DEC Memo:	"09/18/15 RMC/SITE. CLEAN UP COMPLETED. DISPOSAL DUE 10/30/15. 09/28/15 RMC/FILE. RECEIVED DISPOSAL RECEIPT FOR 1 DRUM CONTAMIATED SPEEDY DRY. NO FURTHER ACTION REQUIRED. CLOSE OUT."
Remarks:	"cleanup in progress by tow company"

CENTRAL TRANSPORT (Continued) **S118261709**

All Materials:

Site ID:	513940
Operable Unit ID:	1263151
Operable Unit:	01
Material ID:	2266807
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	30.00
Units:	G
Recovered:	29.00
Oxygenate:	Not reported

A16 **AMERICAN DESIGN & MANUFACTURING INC** **NY Spills** **1009225565**
WSW **200 RIVER RD** **NY MANIFEST** **N/A**
< 1/8 **NORTH TONAWANDA, NY 14120**
0.022 mi.
114 ft. **Site 10 of 11 in cluster A**

Relative: **Lower**

Actual: **570 ft.**

SPILLS:

Name:	SPIER MACHINE CO.
Address:	200 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8903790 / 1989-07-16
Facility ID:	8903790
Facility Type:	ER
DER Facility ID:	150891
Site ID:	179797
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	3212
Spill Date:	1989-07-16
Investigator:	ROSS
Referred To:	Not reported
Reported to Dept:	1989-07-16
CID:	Not reported
Water Affected:	NIAGARA RIVER
Spill Source:	Unknown
Spill Notifier:	Fire Department
Cleanup Ceased:	1989-07-16
Cleanup Meets Std:	True
Last Inspection:	1989-07-16
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1989-07-17
Spill Record Last Update:	1989-07-25
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
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 LQR 07/16/89: LQR ON SITE W/ FD.,USCG AND NCHD NO CLEAN UP POSSIBLE. "

AMERICAN DESIGN & MANUFACTURING INC (Continued) **1009225565**

	Not reported
Remarks:	"SHEEN IN MARINA"

All Materials:

Site ID:	179797
Operable Unit ID:	931396
Operable Unit:	01
Material ID:	565041
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	SLICK ON LITTLE RIVER
Address:	200 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9003579 / 1990-06-28
Facility ID:	9003579
Facility Type:	ER
DER Facility ID:	150891
Site ID:	179798
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	3212
Spill Date:	1990-06-28
Investigator:	ROSS
Referred To:	Not reported
Reported to Dept:	1990-06-28
CID:	Not reported
Water Affected:	LITTLE RIVER
Spill Source:	Unknown
Spill Notifier:	Citizen
Cleanup Ceased:	1990-06-28
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1990-07-02
Spill Record Last Update:	1990-12-04
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
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 LQR 06/28/90: LQR TELCON W/ USCG REPONDED FOUND NOTHING. "
Remarks:	"SLICK ON RIVER"

All Materials:

Site ID:	179798
Operable Unit ID:	941470

AMERICAN DESIGN & MANUFACTURING INC (Continued) **1009225565**

Operable Unit:	01
Material ID:	438270
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

NY MANIFEST:

Name:	AMERICAN DESIGN & MANUFACTURING INC
Address:	200 RIVER RD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYD000040196
Facility Status:	Not reported
Location Address 1:	200 RIVER RD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD000040196
Mailing Name:	AMERICAN DESIGN & MANUFACTURING INC
Mailing Contact:	WILLIAM TUCKER
Mailing Address 1:	200 RIVER RD
Mailing Address 2:	Not reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14120
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7166932501

NY MANIFEST:

Document ID:	NYG1035945
Manifest Status:	Not reported
seq:	01
Year:	1999
Trans1 State ID:	48472VNY
Trans2 State ID:	Not reported
Generator Ship Date:	10/13/1999
Trans1 Recv Date:	10/13/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/14/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD000040196
Trans1 EPA ID:	NYD000708271
Trans2 EPA ID:	Not reported

AMERICAN DESIGN & MANUFACTURING INC (Continued) **1009225565**

TSDF ID 1:	OHD980681571
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:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

A17 **AMERICAN DESIGN & MFG INC** **RCRA NonGen / NLR** **1000871408**
WSW **200 RIVER RD** **FINDS** **NY0000040196**
< 1/8 **NORTH TONAWANDA, NY 14120** **ECHO**
0.022 mi. **NY MANIFEST**
114 ft. **Site 11 of 11 in cluster A**

Relative: **Lower**
Actual: **570 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	AMERICAN DESIGN & MFG INC
Handler Address:	200 RIVER RD
Handler City,State,Zip:	NORTH TONAWANDA, NY 14120
EPA ID:	NY0000040196
Contact Name:	WILLIAM TUCKER
Contact Address:	RIVER RD
Contact City,State,Zip:	NORTH TONAWANDA, NY 14120
Contact Telephone:	716-693-2501
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 R9
Mailing Address:	RIVER RD
Mailing City,State,Zip:	NORTH TONAWANDA, NY 14120

AMERICAN DESIGN & MFG INC (Continued) **1000871408**

Owner Name:	J THOMAS SPIER
Owner Type:	Private
Operator Name:	J THOMAS SPIER
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
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

AMERICAN DESIGN & MFG INC (Continued) **1000871408**

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: D035
Waste Description: METHYL ETHYL KETONE

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.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: J THOMAS SPIER
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 200 RIVER RD
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-694-4711
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: J THOMAS SPIER
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 200 RIVER RD
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-694-4711

AMERICAN DESIGN & MFG INC (Continued) **1000871408**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: J THOMAS SPIER
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 200 RIVER RD
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-694-4711
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2006-01-01 00:00:00.0
Handler Name: AMERICAN DESIGN & MFG 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: 2007-01-01 00:00:00.0
Handler Name: AMERICAN DESIGN & MFG 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: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1993-10-28 00:00:00.0
Handler Name: AMERICAN DESIGN & MFG 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

AMERICAN DESIGN & MFG INC (Continued) **1000871408**

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: 1997-04-21 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYNSL
Evaluation Responsible Sub-Organization: R9
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

AMERICAN DESIGN & MFG INC (Continued) **1000871408**

FINDS:
Registry ID: 110004308892

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000871408
Registry ID:	110004308892
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004308892
Name:	AMERICAN DESIGN & MFG INC
Address:	200 RIVER RD
City,State,Zip:	NORTH TONAWANDA, NY 14120

NY MANIFEST:

Name:	AMERICAN DESIGN & MANUFACTURING
Address:	200 RIVER RD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NY0000040196
Facility Status:	Not reported
Location Address 1:	200 RIVER ROAD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NY0000040196
Mailing Name:	AMERICAN DESIGN & MANUFACTURING
Mailing Contact:	WILLIAM TUCKER
Mailing Address 1:	200 RIVER ROAD
Mailing Address 2:	Not reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14120
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7166932501

NY MANIFEST:

Document ID:	NYB4919355
Manifest Status:	C
seq:	Not reported

AMERICAN DESIGN & MFG INC (Continued) **1000871408**

Year:	1995
Trans1 State ID:	60221SNY
Trans2 State ID:	Not reported
Generator Ship Date:	03/23/1995
Trans1 Recv Date:	03/23/1995
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/24/1995
Part A Recv Date:	/ /
Part B Recv Date:	04/06/1995
Generator EPA ID:	NY0000040196
Trans1 EPA ID:	NYD051809952
Trans2 EPA ID:	Not reported
TSDF ID 1:	OHD980681571
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:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

B18 **FAST LANE STATION** **NY Spills** **S102132906**
NNW **250 MAIN STREET** **N/A**
< 1/8 **NORTH TONAWANDA, NY**
0.030 mi.
157 ft. **Site 3 of 8 in cluster B**

Relative:
Higher

Actual:
571 ft.

SPILLS:

Name:	FAST LANE STATION
Address:	250 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8606284 / 1987-01-27
Facility ID:	8606284
Facility Type:	ER
DER Facility ID:	230725
Site ID:	284538
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	Not reported

FAST LANE STATION (Continued) **S102132906**

SWIS:	3212
Spill Date:	1987-01-09
Investigator:	MJHINTON
Referred To:	Not reported
Reported to Dept:	1987-01-09
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Citizen
Cleanup Ceased:	1987-01-27
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1987-01-12
Spill Record Last Update:	1987-01-30
Spiller Name:	Not reported
Spiller Company:	FAST LANE STATION
Spiller Address:	250 MAIN STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJH / / : REFERRED TO NCHD, 01/09/87. / / : NCHD INVESTIGATED DID NOT SUPSTANTIATE REPORT, NO FURTHER ACTION, REFFERED TO BULK STORAGE. "
Remarks:	"ALLEDGED LEAKING TANKS FROM ANONYMOUS CALLER"

All Materials:

Site ID:	284538
Operable Unit ID:	903085
Operable Unit:	01
Material ID:	475417
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

B19 **JACKS HAMBLETON STATION** **EDR Hist Auto** **1021129455**
NNW **250 MAIN ST** **N/A**
< 1/8 **N TONAWANDA, NY 14120**
0.030 mi.
157 ft. **Site 4 of 8 in cluster B**

Relative: EDR Hist Auto
Higher

Actual: **571 ft.**

Year:	Name:	Type:
1969	JACKS HAMBLETON STATION	Gasoline Service Stations
1970	JACKS HAMBLETON STATION	Gasoline Service Stations
1971	JACKS HAMBLETON STATION	Gasoline Service Stations
1971	ZILICH RONALD	Gasoline Service Stations
1996	FAST LANE SERVICE ISLAND INC	Exterior Repair Services
1997	FAST LANE SERVICE ISLAND INC	Exterior Repair Services
1998	FAST LANE SERVICE ISLAND INC	Exterior Repair Services

JACKS HAMBLETON STATION (Continued) **1021129455**

1999	FAST LANE SERVICE ISLAND INC	Exterior Repair Services
2000	FAST LANE SERVICE ISLAND INC	Exterior Repair Services
2001	FAST LANE SERVICE ISLAND INC	Exterior Repair Services
2002	FAST LANE SERVICE ISLAND INC	Exterior Repair Services
2003	FAST LANE SERVICE ISLAND INC	Exterior Repair Services
2004	FAST LANE SERVICE ISLAND INC	Exterior Repair Services
2005	FAST LANE SERVICE ISLAND INC	Exterior Repair Services
2006	FAST LANE SERVICE ISLAND INC	Exterior Repair Services
2007	FAST LANE SERVICE ISLAND INC	Exterior Repair Services
2008	FAST LANE SERVICE ISLAND INC	Exterior Repair Services
2009	FAST LANE SERVICE ISLAND INC	Automotive Repair Shops, NEC
2010	FAST LANE SERVICE ISLAND INC	Automotive Repair Shops, NEC
2011	FAST LANE SERVICE ISLAND INC	Automotive Repair Shops, NEC
2012	FAST LANE SERVICE ISLAND INC	Automotive Repair Shops, NEC
2013	FAST LANE SERVICE ISLAND INC	Automotive Repair Shops, NEC
2014	FAST LANE SERVICE ISLAND INC	Automotive Repair Shops, NEC

D20 **PROGRESSIVE MOTORS** **RCRA NonGen / NLR** **1000447048**
South **65 ISLAND ST** **FINDS** **NYD986907368**
< 1/8 **NORTH TONAWANDA, NY 14120** **ECHO**
0.032 mi. **NY MANIFEST**
170 ft. **Site 1 of 2 in cluster D**

Relative: **Higher**
Actual: **572 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2007-01-01 00:00:00.0
Handler Name:	PROGRESSIVE MOTORS	
Handler Address:		65 ISLAND ST
Handler City,State,Zip:		NORTH TONAWANDA, NY 14120-5705
EPA ID:		NYD986907368
Contact Name:		Not reported
Contact Address:		ISLAND ST
Contact City,State,Zip:		NORTH TONAWANDA, NY 14120
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 R9
Mailing Address:		ISLAND ST
Mailing City,State,Zip:		NORTH TONAWANDA, NY 14120
Owner Name:		AUTRALIAN DEVELOPMENT
Owner Type:		Private
Operator Name:		AUTRALIAN DEVELOPMENT
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

PROGRESSIVE MOTORS (Continued) **1000447048**

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:	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

PROGRESSIVE MOTORS (Continued) **1000447048**

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 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.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: AUTRALIAN DEVELOPMENT
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: AUTRALIAN DEVELOPMENT

PROGRESSIVE MOTORS (Continued) **1000447048**

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:	AUTRALIAN DEVELOPMENT
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:	1999-07-08 00:00:00.0
Handler Name: PROGRESSIVE MOTORS	
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: PROGRESSIVE MOTORS	
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: PROGRESSIVE MOTORS	
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

PROGRESSIVE MOTORS (Continued) **1000447048**

Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	1990-07-09 00:00:00.0
Handler Name: PROGRESSIVE MOTORS	
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 Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110006446444

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000447048
Registry ID:	110006446444
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110006446444
Name:	PROGRESSIVE MOTORS
Address:	65 ISLAND ST
City,State,Zip:	NORTH TONAWANDA, NY 14120

NY MANIFEST:

Name:	PROGRESSIVE MOTORS
Address:	65 ISLAND ST
City,State,Zip:	NORTH TONAWANDA, NY 14120-5705

PROGRESSIVE MOTORS (Continued) **1000447048**

Country:	USA
EPA ID:	NYD986907368
Facility Status:	Not reported
Location Address 1:	65 ISLAND STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD986907368
Mailing Name:	PROGRESSIVE MOTORS
Mailing Contact:	RICHARD WAINWRIGHT
Mailing Address 1:	65 ISLAND STREET
Mailing Address 2:	Not reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14120
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7166926320

NY MANIFEST:

Document ID:	NYB1414764
Manifest Status:	K
seq:	Not reported
Year:	1990
Trans1 State ID:	P48760IL
Trans2 State ID:	Not reported
Generator Ship Date:	10/05/1990
Trans1 Recv Date:	10/05/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/12/1990
Part A Recv Date:	11/15/1990
Part B Recv Date:	11/15/1990
Generator EPA ID:	NYD986907368
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049836679
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:	F005 - UNKNOWN
Waste Code:	Not reported

PROGRESSIVE MOTORS (Continued) **1000447048**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00310
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

E21 **STERLING MACHINERY TRUCK** **NY Spills** **S103275229**
North **RIVER ROAD AT MAIN STREET** **N/A**
< 1/8 **NORTH TONAWANDA, NY**
0.040 mi.
212 ft. **Site 1 of 2 in cluster E**

Relative: **Higher**

Actual: **572 ft.**

SPILLS:

Name:	STERLING MACHINERY TRUCK
Address:	RIVER ROAD AT MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9803406 / 1998-06-16
Facility ID:	9803406
Facility Type:	ER
DER Facility ID:	191199
Site ID:	232012
DEC Region:	9
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	3212
Spill Date:	1998-06-16
Investigator:	SORGI
Referred To:	Not reported
Reported to Dept:	1998-06-16
CID:	999
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1998-06-16
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-06-16
Spill Record Last Update:	1998-06-23
Spiller Name:	Not reported
Spiller Company:	STERLING MACHINERY
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJS 06/16/98: MJS CONTACTED BY SAC TO RESPOND. NCHD NOT AVAILABLE. MJS SITE INSPECT. STERLING MACHINERY TRANSPORTING EQUIPMENT AND WATER SOLUBLE OIL SPILLED TO PAVEMENT AT TWO LOCATIONS ON RIVER ROAD(CORNERS OF MAIN ST AND WARD RD). MJS MET WITH DICK ELLMAN WITH NTFD AT RIVER AND MAIN LOCATION. LIGHT COATING OF OIL ON ROADWAY.

STERLING MACHINERY TRUCK (Continued) **S103275229**

STERLING MACHINERY EMPLOYEES ON SITE SWEEPING UP SPEEDI DRI. MJS ADVISED THEM TO LIGHTLY APPLY SPEEDI-DRI AND LEAVE FOR TRACTION. MJS MET WITH PAUL STOLZENFELS WITH NTFD AT RIVER AND WARD LOCATION. THEY HAVE ALSO SPREAD SPEEDI DRI AND ARE SWEEPING UP. ALL SPEEDI DRI IS DRY AND MJS ADVISED STERLING TO TAKE MATERIAL BACK TO SHOP AND REUSE. NO FURTHER ACTION REQUIRED. MJS CLOSE FILE."

Remarks: "PIECE OF EQUIPMENT ON TRUCK LEAKING OIL."

All Materials:

Site ID:	232012
Operable Unit ID:	1061293
Operable Unit:	01
Material ID:	321719
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D22 **MULTIPLE POLE** **NY Spills** **S112148244**
South **139 RIVER RD** **N/A**
< 1/8 **NORTH TONAWANDA, NY**
0.042 mi.
223 ft. **Site 2 of 2 in cluster D**

Relative: **Higher**

Actual: **571 ft.**

SPILLS:

Name:	MULTIPLE POLE
Address:	139 RIVER RD
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	1204369 / 2012-12-04
Facility ID:	1204369
Facility Type:	ER
DER Facility ID:	421581
Site ID:	467254
DEC Region:	9
Spill Cause:	Traffic Accident
Spill Class:	C3
SWIS:	1564
Spill Date:	2012-08-02
Investigator:	RJJONAK
Referred To:	Not reported
Reported to Dept:	2012-08-02
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:	2012-08-02
Spill Record Last Update:	2012-12-11

MULTIPLE POLE (Continued) **S112148244**

Spiller Name:	DAVE MELONSON
Spiller Company:	NATIONAL GRID
Spiller Address:	144 KENSINGTON AVE
Spiller Company:	001
Contact Name:	DAVE MELONSON
DEC Memo:	"8/2/2012: RJJ AT SITE AT 0600...DUE TO TRAFFIC ACCIDENT,A VEHICLE HIT 2 UTILITY POLES WHICH CAUSED A TOTAL OF 8 UTILITY POLES TO FALL...ONLY 2 OF THE POLES HAD TRANSFORMERS ON THEM...THESE 2 POLES FELL ONTO A NEARBY BUILDING,SO THE TRANSFORMERS WERE NOT RUPTURED,BUT DID HOWEVER,LEAK OUT ~15 GALS OF NON-PCB TRANSFORMER OIL,ALL ONTO THE ASPHALT PARKING LOT...NATIONAL GRID HAS HIRED OP-TECH ENVIRONMENTAL TO REMEDIATE THE SPILL...THEY HAVE SPREAD SPEEDI-DRY ON THE OIL AND WILL PICK-UP/DISPOSE ALL THE MATERIAL...NONE OF THE OIL REACHED ANY SOIL OR WATERWAYS,IT IS ALL CONTAINED ON THE ASPHALT PARKING LOT...LISA MONTESANO WILL SEND ME THE DISPOSAL RECEIPTS AND I WILL CHECK ON CLEAN-UP LATER...ALSO,PAUL DICKY,NCDOH,TELECON RJJ,HE SAID THAT HE ALSO RESPONDED AT 0800 AND I FAXED HIM A COPY OF THE SPILL REPORT...RJJ AT SITE AT 1500...OP-TECH HAS CLEANED-UP MOST OF THE SPILL MATERIAL AND PLACED IT INTO DRUMS WHICH WILL BE DISPOSED OF...DUE TO NATIONAL GRID'S REPAIRS,OP-TECH COULD NOT COMPLETE ALL THE CLEAN-UP SO THEY WILL RETURN TOMORROW TO FINISH. 8/3/2012: RJJ AT SITE AT 1400...OP-TECH HAS COMPLETED THEIR CLEAN-UP OF THE SPILL...THE CLEAN-UP IS ACCEPTABLE. 12/4/2012: RECEIVED THE DISPOSAL RECEIPTS,FROM NATIONAL GRID,FOR THE 8 DRUMS OF SPILL MATERIAL TAKEN TO AMERICAN REF-FUEL OF NIAGARA...THE SPILL HAS BEEN CLEANED-UP & PROPERLY DISPOSED OF...NO FURTHER ACTION NEEDED...SPILL CLOSED OUT. NO PAPER FILE."
Remarks:	"8 power poles taken down in a motor vehicle accident. All the transformers are non-pcb. Unknown amount of actual spill at this time. National Grid Crews are on scene and Op-Tech is enroute for clean up."

All Materials:

Site ID:	467254
Operable Unit ID:	1217210
Operable Unit:	01
Material ID:	2215476
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

Name:	MULTIPLE POLE
Address:	139 RIVER RD
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	1204369 / 2012-12-04
Facility ID:	1204369
Facility Type:	ER
DER Facility ID:	421581
Site ID:	467254
DEC Region:	9
Spill Cause:	Traffic Accident
Spill Class:	C3

MULTIPLE POLE (Continued) **S112148244**

SWIS:	1564
Spill Date:	2012-08-02
Investigator:	RJJONAK
Referred To:	Not reported
Reported to Dept:	2012-08-02
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:	2012-08-02
Spill Record Last Update:	2012-12-11
Spiller Name:	LISA MONTESANO
Spiller Company:	NATIONAL GRID
Spiller Address:	144 KENSINGTON AVE
Spiller Company:	999
Contact Name:	DAVE MELONSON
DEC Memo:	"8/2/2012: RJJ AT SITE AT 0600...DUE TO TRAFFIC ACCIDENT,A VEHICLE HIT 2 UTILITY POLES WHICH CAUSED A TOTAL OF 8 UTILITY POLES TO FALL...ONLY 2 OF THE POLES HAD TRANSFORMERS ON THEM...THESE 2 POLES FELL ONTO A NEARBY BUILDING,SO THE TRANSFORMERS WERE NOT RUPTURED,BUT DID HOWEVER,LEAK OUT ~15 GALS OF NON-PCB TRANSFORMER OIL,ALL ONTO THE ASPHALT PARKING LOT...NATIONAL GRID HAS HIRED OP-TECH ENVIRONMENTAL TO REMEDIATE THE SPILL...THEY HAVE SPREAD SPEEDI-DRY ON THE OIL AND WILL PICK-UP/DISPOSE ALL THE MATERIAL...NONE OF THE OIL REACHED ANY SOIL OR WATERWAYS,IT IS ALL CONTAINED ON THE ASPHALT PARKING LOT...LISA MONTESANO WILL SEND ME THE DISPOSAL RECEIPTS AND I WILL CHECK ON CLEAN-UP LATER...ALSO,PAUL DICKY,NCDOH,TELECON RJJ,HE SAID THAT HE ALSO RESPONDED AT 0800 AND I FAXED HIM A COPY OF THE SPILL REPORT...RJJ AT SITE AT 1500...OP-TECH HAS CLEANED-UP MOST OF THE SPILL MATERIAL AND PLACED IT INTO DRUMS WHICH WILL BE DISPOSED OF...DUE TO NATIONAL GRID'S REPAIRS,OP-TECH COULD NOT COMPLETE ALL THE CLEAN-UP SO THEY WILL RETURN TOMORROW TO FINISH. 8/3/2012: RJJ AT SITE AT 1400...OP-TECH HAS COMPLETED THEIR CLEAN-UP OF THE SPILL...THE CLEAN-UP IS ACCEPTABLE. 12/4/2012: RECEIVED THE DISPOSAL RECEIPTS,FROM NATIONAL GRID,FOR THE 8 DRUMS OF SPILL MATERIAL TAKEN TO AMERICAN REF-FUEL OF NIAGARA...THE SPILL HAS BEEN CLEANED-UP & PROPERLY DISPOSED OF...NO FURTHER ACTION NEEDED...SPILL CLOSED OUT. NO PAPER FILE."
Remarks:	"8 power poles taken down in a motor vehicle accident. All the transformers are non-pcb. Unknown amount of actual spill at this time. National Grid Crews are on scene and Op-Tech is enroute for clean up."

All Materials:

Site ID:	467254
Operable Unit ID:	1217210
Operable Unit:	01
Material ID:	2215476
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum

MULTIPLE POLE (Continued) **S112148244**

Quantity: 15.00
Units: G
Recovered: 15.00
Oxygenate: Not reported

B23 **D-223** **NY Spills** **S122479233**
NNW **278 RIVER ROAD** **N/A**
< 1/8 **NORTH TONAWANDA, NY 14120**
0.055 mi.
290 ft. **Site 5 of 8 in cluster B**

Relative: **Lower**

Actual: **570 ft.**

SPILLS:

Name:	D-223
Address:	278 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Spill Number/Closed Date:	1802313 / 2018-05-30
Facility ID:	1802313
Facility Type:	ER
DER Facility ID:	524061
Site ID:	570895
DEC Region:	9
Spill Cause:	Equipment Failure
Spill Class:	D4
SWIS:	3212
Spill Date:	2018-05-28
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2018-05-28
CID:	Not reported
Water Affected:	LITTLE RIVER
Spill Source:	Vessel
Spill Notifier:	Responsible Party
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:	2018-05-29
Spill Record Last Update:	2018-05-30
Spiller Name:	DAVID NIEMAN
Spiller Company:	MERZ METAL & MACHINE CORP.
Spiller Address:	237 CHELSEA PLACE
Spiller Company:	999
Contact Name:	DAVID NIEMAN
DEC Memo:	"5/28/18:RECEIVED NATIONAL RESPONSE CENTER REPORT NUMBER 1213497. SMALL NUISANCE SPILL THAT WAS CLEANED WITH ABSORBENTS. NO FURTHER WORK IS REQUIRED."
Remarks:	"1 QUART OF HYDRAULIC OIL WAS SPILLED INTO THE LITTLE RIVER DUE TO EQUIPMENT FAILURE OF A BUSTED HYDRAULIC LINE FOR A SWIM PLATFORM."

All Materials:

Site ID:	570895
Operable Unit ID:	1318739
Operable Unit:	01
Material ID:	2326672
Material Code:	0010

D-223 (Continued) **S122479233**

Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

B24 **SMITH BOYS INC** **NY UST** **U003316338**
NNW **278 RIVER RD** **NY Spills** **N/A**
< 1/8 **NORTH TONAWANDA, NY 14120** **NY MANIFEST**
0.055 mi.
290 ft. **Site 6 of 8 in cluster B**

Relative:
Lower

Actual:
570 ft.

UST:

Name:	SMITH BOYS INC
Address:	278 RIVER RD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Id/Status:	9-012858 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	183846.73081
UTM Y:	4771317.90433
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	51984
Affiliation Type:	Facility Owner
Company Name:	SMITH BOYS INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	280 MICHIGAN AVE
Address2:	Not reported
City:	NORTH TONAWANDA
State:	NY
Zip Code:	14120
Country Code:	001
Phone:	(716) 695-3472
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	51984
Affiliation Type:	Mail Contact
Company Name:	SMITH BOYS INC
Contact Type:	Not reported
Contact Name:	BRAD SMITH
Address1:	280 MICHIGAN AVE
Address2:	Not reported
City:	NORTH TONAWANDA
State:	NY
Zip Code:	14120
Country Code:	001
Phone:	(716) 695-3472

SMITH BOYS INC (Continued) **U003316338**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	51984
Affiliation Type:	Facility Operator
Company Name:	SMITH BOYS INC
Contact Type:	Not reported
Contact Name:	SMITH BOYS INC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 695-3472
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	51984
Affiliation Type:	Emergency Contact
Company Name:	SMITH BOYS INC
Contact Type:	Not reported
Contact Name:	BRAD SMITH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 694-5112
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	1
Tank ID:	160378
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	01/01/1969
Date Tank Closed:	10/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	03
Date Test:	07/01/1993
Next Test Date:	Not reported

SMITH BOYS INC (Continued) **U003316338**

Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
J01 - Dispenser - Pressurized Dispenser
A00 - Tank Internal Protection - None
C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None

Tank Number: 2
Tank ID: 160379
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: 01/01/1969
Date Tank Closed: 10/01/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 03
Date Test: 07/01/1993
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
J01 - Dispenser - Pressurized Dispenser
C03 - Pipe Location - Aboveground/Underground Combination
G00 - Tank Secondary Containment - None

Tank Number: 3
Tank ID: 160380
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: 01/01/1969
Date Tank Closed: 10/01/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel

SMITH BOYS INC (Continued) **U003316338**

Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: 03
Date Test: 07/01/1993
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
F00 - Pipe External Protection - None
J01 - Dispenser - Pressurized Dispenser
B00 - Tank External Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
C03 - Pipe Location - Aboveground/Underground Combination

SPILLS:

Name: SMITH BOYS MARINA
Address: 278 RIVER ROAD
City,State,Zip: NORTH TONAWANDA, NY
Spill Number/Closed Date: 8903983 / 1989-07-25
Facility ID: 8903983
Facility Type: ER
DER Facility ID: 228040
Site ID: 280820
DEC Region: 9
Spill Cause: Equipment Failure
Spill Class: Not reported
SWIS: 3212
Spill Date: 1989-07-21
Investigator: MXFRANKS
Referred To: Not reported
Reported to Dept: 1989-07-21
CID: Not reported
Water Affected: NIAGARA RIVER
Spill Source: Vessel
Spill Notifier: Responsible Party
Cleanup Ceased: 1989-07-25
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1989-07-24
Spill Record Last Update: 1989-07-25
Spiller Name: Not reported
Spiller Company: HOWARD JOHNT
Spiller Address: 6100 GOODRICH ROAD
Spiller Company: 001
Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was
MF 07/25/89: MF TELECON DAVE ANDERSON, COAST GUARD, HE RESPONDED AND

SMITH BOYS INC (Continued) **U003316338**

THERE WAS NO ACTION POSSIBLE. NO FUTHER ACTION NECESSARY BY SPILLS. "
Remarks: "COAST GUARD IS ON THE SCENE, NO CLEANUP POSSIBLE"

All Materials:
Site ID: 280820
Operable Unit ID: 931762
Operable Unit: 01
Material ID: 448055
Material Code: 0015
Material Name: motor oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 1.00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: SMITH BOYS MARINA
Address: 278 RIVER ROAD
City,State,Zip: NORTH TONAWANDA, NY
Spill Number/Closed Date: 9201917 / 1992-05-25
Facility ID: 9201917
Facility Type: ER
DER Facility ID: 228040
Site ID: 280821
DEC Region: 9
Spill Cause: Unknown
Spill Class: C3
SWIS: 3212
Spill Date: 1992-05-15
Investigator: COOKE
Referred To: Not reported
Reported to Dept: 1992-05-15
CID: Not reported
Water Affected: LITTLE NIAGARA RIVER
Spill Source: Commercial/Industrial
Spill Notifier: Citizen
Cleanup Ceased: 1992-05-25
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1992-06-23
Spill Record Last Update: 1992-10-22
Spiller Name: Not reported
Spiller Company: UNKNOWN
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
JDC 05/27/92: USCG RESPONDED AND IDENTIFIED MATERIAL AS DEBRIS W/
SOME TYPE OF PETROLEUM, ADSORBANTS PLACED BY FD, NO FURTHER CLEANUP
POSSIBLE, SOURCE UNKNOWN. "
Remarks: "ORGANIC FILM/ DEBRIS IDENTIFIED IN RIVER"

All Materials:

SMITH BOYS INC (Continued) **U003316338**

Site ID:	280821
Operable Unit ID:	966001
Operable Unit:	01
Material ID:	567488
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	SMITH BOYS MARINE
Address:	278 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9875161 / 2001-04-25
Facility ID:	9875161
Facility Type:	ER
DER Facility ID:	228040
Site ID:	280822
DEC Region:	9
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	3212
Spill Date:	1998-11-01
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	1998-11-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	2001-04-24
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-11-02
Spill Record Last Update:	2001-04-30
Spiller Name:	BRAD SMITH
Spiller Company:	SMITH BOYS INC
Spiller Address:	280 MICHIGAN ST./T.ISLAND
Spiller Company:	001
Contact Name:	BRAD SMITH
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 11/02/98: SAC TELECON PAUL DICKY - NCHD NOTIFYING HIM OF THE SPILL, MR. DICKY WILL FOLLOW UP. 11/03/98: MJS SITE INSPECTION, MET WITH ROCKE FROM MARCOR AND BRAD SMITH, RP. TANKS REMOVED, CONTAMINATED SOIL FOUND AND STOCKPILED. DISCUSSED POSSIBILITY OF BIOREMEDIATION ON SITE WITH MR SMITH. CONTAMINATION IDENTIFIED AROUND PIPING. MARCOR WILL FOLLOW LINES BACK TO DISPENSER AND REMOVE CONTAMINATED SOILS. MAY HAVE GROUNDWATER PROBLEM - DISPENSER NEXT TO RIVER. 11/04/98: MJS SITE INSPECTION, MET WITH ROCKE. TANK PIT CLEANED OUT. THEY ARE IN PROCESS OF CLEANING TANKS. 11/04/98: MJS

SMITH BOYS INC (Continued) **U003316338**

SECOND SITE INSPECTION, MET WITH ROCKE, MARCOR. SIDEWALL BY RIVER ROAD HAS ODOR OF SOLVENT/CHEMICAL AND OLD RAILROAD TRACK FOUND APPROX THREE FEET UNDER SURFACE. THEY CANNOT EXCAVATE FURTHER DUE TO TRACK. ALSO, THIS IS RIGHT-OF-WAY FOR CITY OF NORTH TONAWANDA. ADVISED MARCOR TO OBTAIN SAMPLE OF THIS MATERIAL IN ATTEMPT TO IDENTIFY CONTAMINANT. DEC MAY HAVE TO OPEN PIN FILE FOR SAMPLING. 11/05/98: MJS SITE INSPECTION, MET WITH ROCKE. TANKS CLEANED AND READY FOR DISPOSAL. THEY WILL EXCAVATE PRODUCT LINES THIS AFTERNOON AND STOCKPILE ANY CONTAMINATED SOIL. 11/06/98: MJS SITE INSPECTION, MET WITH ROCKE AND BRAD SMITH. HE HAS MADE CONTACT WITH VARIOUS FIRMS REGARDING BIOREMEDIATION AND IS STILL UNDECIDED. 11/09/98: SAC TELECON PAUL DICKY, NCHD, HE HAD TELECON WITH MR. HINES REGARDING THE SITE AND FOUND OUT MJS HAS BEEN INSPECTING EXCAVATION AND DOING THE FOLLOW UP, THEREFORE IT WAS AGREED THAT MJS WILL CONTINUE TO FOLLOW UP ON THE SPILL. 12/02/98: MJS SITE INSPECTION, MET WITH BRAD SMITH. HE IS LOOKING INTO OPTIONS AND LEANING TOWARDS BIOREMEDIATION. HE IS ALSO OBTAINING QUOTES FOR LIQUIDS DISPOSAL. SOIL PILE COVERED WITH PLASTIC. 09/ /99: MJS RECEIVED AND REVIEWED REPORT FROM NATURES WAY. THEY OBTAINED CONFIRMATORY SAMPLES FROM BIOTREATED SOILS PER STARS #1 GUIDELINES AND ALL RESULTS MEET STANDARDS. 10/14/99: MJS REVIEW FILE. NEED POST-EXCAVATION SAMPLE RESULTS AND DISPOSAL DOCUMENTATION FOR LIQUIDS AND SLUDGE. MJS TELECON TO BRAD SMITH - HE WILL FIND DOCUMENTATION. 04/23/01: SAC RECEIVED ANOTHER COPY OF RESULTS FROM BIOTREATED SOIL, SAC TELECON BRAD SMITH - SMITH BOYS MARINA, REQUESTING CONFIRMATORY SAMPLE RESULTS, MR. SMITH WILL LOOK FOR THE DOCUMENTATION AND CONTACT SAC WHEN HE FINDS THE RESULTS. 04/23/01: SAC RECEIVED RESULTS FROM THE EXCAVATION, RESULTS BELOW STARS GUIDANCE VALUES FOR THE SITE FOR BOTTOM SAMPLE AND COMPOSITE FROM THREE SIDES, ONE SIDE WAS NOT SAMPLED WHICH WOULD APPEAR TO BE RIVER ROAD SIDE, LOOKING AT THE CHAIN OF CUSTODY IT APPEARS THAT SIDE WAS NOT SAMPLED AS REQUESTED BY MJS SAC TELECON BRAD SMITH, SAC ASKED MR. SMITH HE DID NOT BELIEVE THERE WERE ANY ADDITIONAL RESULTS AND APPOINTMENT WAS SET UP TO HAVE SAC LOOK AT THE RECORDS TOMORROW AT HIS OFFICE. 04/24/01: SAC MET WITH BRAD SMITH, LOOKED AT RECORDS FOR THE SITE, BASED ON DOCUMENTATION PROVIDED, NO ADDITIONAL SAMPLE RESULTS FOUND, MR. SMITH SHOWED SAC SITE WHERE TANK WAS REMOVED. 04/24/01: SAC MET WITH PJB TO DISCUSS SITE STATUS, BASED ON WORK PERFORMED PJB WILLING TO GIVE INACTIVE STATUS SINCE ONE SIDEWALL WAS NOT SAMPLED. 04/25/01: SAC SENT I LETTER, NO FURTHER WORK REQUIRED."

Remarks: "CONTAMINATION ENCOUNTERED APPX 1' BELOW WHEN GETTING TO REMOVE 1-3K DIESEL & 2-3K GASOLINE UST'S. MAY ALSO BE FROM REMOVED AG WASTE OIL TANK ***(FORMERLY MJS FILE)***"

All Materials:

Site ID:	280822
Operable Unit ID:	1078444
Operable Unit:	01
Material ID:	306755
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Site ID: 280822

SMITH BOYS INC (Continued) **U003316338**

Operable Unit ID:	1078444
Operable Unit:	01
Material ID:	306756
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

NY MANIFEST:

Name:	SMITH BOYS MARINA
Address:	278 RIVER RD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYP000883025
Facility Status:	Not reported
Location Address 1:	278 RIVER RD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP000883025
Mailing Name:	SMITH BOYS MARINA
Mailing Contact:	SMITH BOYS MARINA
Mailing Address 1:	278 RIVER RD
Mailing Address 2:	Not reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14120
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	0000000000

NY MANIFEST:

Document ID:	NYA5429286
Manifest Status:	K
seq:	Not reported
Year:	1988
Trans1 State ID:	NV4434
Trans2 State ID:	Not reported
Generator Ship Date:	11/15/1988
Trans1 Recv Date:	11/15/1988
Trans2 Recv Date:	/ /
TSD Site Recv Date:	11/16/1988
Part A Recv Date:	01/05/1989
Part B Recv Date:	11/22/1988
Generator EPA ID:	NYP000883025
Trans1 EPA ID:	NYD981876006

SMITH BOYS INC (Continued) **U003316338**

Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD043815703
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:	00615
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

B25 **SMITH BOYS MARINA** **NY Spills** **S102174988**
NNW **278 RIVER ROAD** **N/A**
< 1/8 **TONAWANDA, NY**
0.055 mi.
290 ft. **Site 7 of 8 in cluster B**

Relative: **Lower**
Actual: **570 ft.**

SPILLS:

Name:	SMITH BOYS MARINA
Address:	278 RIVER ROAD
City,State,Zip:	TONAWANDA, NY
Spill Number/Closed Date:	9210835 / 1992-12-21
Facility ID:	9210835
Facility Type:	ER
DER Facility ID:	170966
Site ID:	205890
DEC Region:	9
Spill Cause:	Deliberate
Spill Class:	E6
SWIS:	1564
Spill Date:	1992-12-15
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	1992-12-17
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	1992-12-21
Cleanup Meets Std:	True

SMITH BOYS MARINA (Continued) **S102174988**

Last Inspection:	1992-12-21
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-12-18
Spill Record Last Update:	1992-12-30
Spiller Name:	Not reported
Spiller Company:	SMITH BOYS MARINA
Spiller Address:	278 RIVER ROAD
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RMC 12/21/92: RMC/CHRIS KEMPF/SITE - NO PROBLEM FOUND. FLOOR DRAIN GOES DIRECTLY TO RIVER BUT DOESN'T APPEAR TO BE IN USE. COPY TO DOW. NO FURTHER ACTION NECESSARY. "
Remarks:	"OIL & PAINT SOLVENTS WASHED DOWN SINK WITH PIPE GOING INTO RIVER FROM MECHANICS SHOP."

All Materials:

Site ID:	205890
Operable Unit ID:	977470
Operable Unit:	01
Material ID:	404276
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

Site ID:	205890
Operable Unit ID:	977470
Operable Unit:	01
Material ID:	404277
Material Code:	1139A
Material Name:	paint solvents
Case No.:	Not reported
Material FA:	Other
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

B26 **SMITH BOYS MARINA** **NY Spills** **S102132096**
NW **RIVER ROAD** **N/A**
< 1/8 **NORTH TONAWANDA, NY**
0.057 mi.
299 ft. **Site 8 of 8 in cluster B**

Relative: **Higher**

Actual: **572 ft.**

SPILLS:

Name:	SMITH BOYS MARINA
Address:	RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9103759 / 1991-08-06
Facility ID:	9103759

SMITH BOYS MARINA (Continued) **S102132096**

Facility Type:	ER
DER Facility ID:	178436
Site ID:	215415
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	3212
Spill Date:	1991-07-07
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1991-07-08
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	1991-07-08
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1991-07-09
Spill Record Last Update:	1991-08-06
Spiller Name:	Not reported
Spiller Company:	TAYLOR INDUSTRIES
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 07/07/91: NCHD NOTIFIED AND WILL RESPOND. 08/06/91: JDC RECIEVED FINAL REPORTS FROM NCHD AND COAST GUARD. "
Remarks:	"OIL FOUND AT CULVERT PIPE NEAR SMITH BOYS."

All Materials:

Site ID:	215415
Operable Unit ID:	954633
Operable Unit:	01
Material ID:	422882
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

F27 **GULF/GATEWAY** **NY UST U003316567**
SE **139 MAIN STREET** **NY Spills N/A**
< 1/8 **NORTH TONAWANDA, NY 14120**
0.065 mi.
344 ft. **Site 1 of 4 in cluster F**

Relative: UST:
Higher

Name:	GULF/GATEWAY
Address:	139 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120

Actual:
574 ft.

GULF/GATEWAY (Continued) **U003316567**

Id/Status:	9-042528 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	03/19/2022
UTM X:	184111.93780
UTM Y:	4770971.80029
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	52343
Affiliation Type:	Facility Owner
Company Name:	NOCO EXPRESS PROPERTIES, LLC
Contact Type:	EHS/VP
Contact Name:	TOM ANDERSON
Address1:	2440 SHERIDAN DR
Address2:	Not reported
City:	TONAWANDA
State:	NY
Zip Code:	14150
Country Code:	001
Phone:	(716) 504-3319
EMail:	TANDERSON@NOCO.COM
Fax Number:	Not reported
Modified By:	AESKALSK
Date Last Modified:	2017-02-22

Site Id:	52343
Affiliation Type:	Mail Contact
Company Name:	EMPIRE PETROLEUM SERVICES
Contact Type:	EHS/VP
Contact Name:	RAMON CRUZ
Address1:	6515 TRANSIT RD
Address2:	SUIT 24
City:	BOWMANSVILLE
State:	NY
Zip Code:	14026
Country Code:	001
Phone:	(716) 391-1717
EMail:	RCRUZ@EPSOFNY.COM
Fax Number:	Not reported
Modified By:	PTDIEZ
Date Last Modified:	2020-06-01

Site Id:	52343
Affiliation Type:	Facility Operator
Company Name:	GULF/GATEWAY
Contact Type:	Not reported
Contact Name:	RAMON CRUZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 692-2780
EMail:	Not reported
Fax Number:	Not reported

GULF/GATEWAY (Continued) **U003316567**

Modified By:	PTDIEZ
Date Last Modified:	2020-06-01
Site Id:	52343
Affiliation Type:	Emergency Contact
Company Name:	NOCO EXPRESS PROPERTIES, LLC
Contact Type:	Not reported
Contact Name:	TOM ANDERSON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(716) 353-3096
EMail:	Not reported
Fax Number:	Not reported
Modified By:	SJWALSH
Date Last Modified:	2016-10-04

Tank Info:

Tank Number:	1
Tank ID:	161448
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	10000
Install Date:	04/01/1962
Date Tank Closed:	09/01/1990
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	01
Date Test:	08/01/1987
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	aeskalsk
Last Modified:	04/14/2017

Equipment Records:

J01 - Dispenser - Pressurized 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
G00 - Tank Secondary Containment - None

Tank Number:	2
Tank ID:	161449
Tank Status:	Closed - Removed

GULF/GATEWAY (Continued) **U003316567**

Material Name: Closed - Removed
Capacity Gallons: 20000
Install Date: 04/01/1962
Date Tank Closed: 09/01/1990
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 01
Date Test: 08/01/1987
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: aeskalsk
Last Modified: 04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
J01 - Dispenser - Pressurized Dispenser
H00 - Tank Leak Detection - None
I00 - Overfill - None
G00 - Tank Secondary Containment - None

Tank Number: 3
Tank ID: 161450
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 20000
Install Date: 04/01/1962
Date Tank Closed: 09/01/1990
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 01
Date Test: 08/01/1987
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: aeskalsk
Last Modified: 04/14/2017

Equipment Records:

J01 - Dispenser - Pressurized 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
I00 - Overfill - None
H00 - Tank Leak Detection - None

GULF/GATEWAY (Continued) **U003316567**

G00 - Tank Secondary Containment - None

Tank Number: 4
Tank ID: 161451
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 12000
Install Date: 09/01/1990
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TankSys
Last Modified: 05/15/2020

Equipment Records:

H05 - Tank Leak Detection - In-Tank System (ATG)
B02 - Tank External Protection - Original Sacrificial Anode
J01 - Dispenser - Pressurized Dispenser
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I01 - Overfill - Float Vent Valve
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
K01 - Spill Prevention - Catch Basin
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass

Tank Number: 5
Tank ID: 161452
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 12000
Install Date: 09/01/1990
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TankSys
Last Modified: 05/15/2020

GULF/GATEWAY (Continued) **U003316567**

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I01 - Overfill - Float Vent Valve
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
K01 - Spill Prevention - Catch Basin
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
B02 - Tank External Protection - Original Sacrificial Anode
J01 - Dispenser - Pressurized Dispenser
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Number:	6
Tank ID:	161453
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	12000
Install Date:	09/01/1990
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	2712
Common Name of Substance:	Gasoline/Ethanol
Tightness Test Method:	-
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TankSys
Last Modified:	05/15/2020

Equipment Records:

J01 - Dispenser - Pressurized Dispenser
B02 - Tank External Protection - Original Sacrificial Anode
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I01 - Overfill - Float Vent Valve
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)

SPILLS:

Name:	ARG TRUCKING AT MARINE MI
Address:	139 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9707619 / 1998-03-13
Facility ID:	9707619

GULF/GATEWAY (Continued) **U003316567**

Facility Type:	ER
DER Facility ID:	130395
Site ID:	153717
DEC Region:	9
Spill Cause:	Traffic Accident
Spill Class:	C3
SWIS:	3212
Spill Date:	1997-09-28
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1997-09-28
CID:	233
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Police Department
Cleanup Ceased:	1997-10-03
Cleanup Meets Std:	True
Last Inspection:	1997-09-28
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-09-28
Spill Record Last Update:	1998-04-14
Spiller Name:	MARK BRUSO
Spiller Company:	ARG TRUCKING
Spiller Address:	122 COOPER AVENUE
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 9/28/97: JDC ON SITE AND MET WITH NORTH TONAWANDA FD. DRIVER DROVE TRACTOR INTO LIGHT STANDARD AND CRACKED ENGINE CRANK CASE AND BROKE FRONT AXLE THAT ALLOWED THE WHEELS TO DRIVE AIR TANKS INTO FRONT SIDE OF PASSAGER SIDE SADDLE TANK. PLUGGING THE HOLE WAS DIFFICULT, FUEL WAS BEING LOST TO SORBENTS AT A RATE OF ABOUT 1/2 GALLON PER MINUTE. SAND WAS PLACED AROUND THE STORM DRAIN, NO PRODUCT OBSERVED IN DI. PLUG WAS PLACED IN THE LEAKING TANK AND SORBENTS PLACED UNDER TANK. ESTIMATE 10-15 GALLONS OF DIESEL FUEL LOST TO SANITARY SEWER. FD FLUSHED SEWER WITH 200 GALLONS OF WATER AND NO FLASH. DETERMINED THROUGH SEWER MAPS PROVIDED BY CITY THAT LOT DRAIN TIES DIRECTLY TO SANITARY. SANITARY PLANT WAS NOTIFIED BY DPW, THEY ADVISED THAT THE AMOUNT OF FUEL WOULD NOT BE A PROBLEM. INSPECTED ALONG CANAL AND FOUND NO EVIDENCE OF FUEL IN WATERWAY. SPOKE WITH TRUCK DRIVER AND ADVISED THAT A CLEANUP WOULD BE REQUIRED. HE STATED THAT HIS TERMINAL MGR WWAS NOTIFIED AD IS RESPONDING. JOHN'S TOWING ARRIVED AND TRANSFERRED FUEL FROM LEAKING SADDLE TANK TO 85 GALLON DRUM PROVIDED BY NTFD. MARK BRUSO, TERM MGR, HE STATED THAT GRIFFITH OIL WAS CONTACTED BUT WOULD NOT BE ON SITE FOR SEVERAL HOURS. ADVISED THAT A CONTRACTOR WOULD BE NEEDED SOONER. ARG AGREED TO ALLOW DEC TO HIRE, CONTACTED ESG DUE TO THEIR LOCATION TO THE SPILL. SORBENT PADS, SAND AND CLAY SORB WERE COLLECTED INTO 7-55 GALLON DRUMS, LABELED AND TAPED AND LEFT ON SITE FOR DISPOSAL. RECIVED POLICE REPORT FROM NT POLICE. WILL SEND LETTER TO MR BRUSO REGARDING CLEANUP. 10/2/97: JDC TELECON WITH PAUL SUOZZI OF ESG, ARG HAS AGREED TO PAY ESG DIRECT, NO PIN WILL BE GENERATED. 3/12/98: JDC TELECON WITH MARK BRUSO, HE AGREED TO FORWARD COPIES OF THE DISPOSAL RECEIPTS. WILL CLOSE AFTER REVIEW OF SAME. 3/13/98: RECEIVED DISPOSAL RECIPT, NO FURTHER WORK REQUIRED, SITE CLOSED. "

GULF/GATEWAY (Continued) **U003316567**

Remarks: "TANKER TRUCK HIT POLE STARTED LEAKING FD ON SCENE ATTEMPTING TO CONTAIN SPILL REQ CALL "

All Materials:

Site ID:	153717
Operable Unit ID:	1054007
Operable Unit:	01
Material ID:	329626
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

F28 **NOCO MOTOR FUELS INC** **EDR Hist Auto** **1021030395**
SE **139 MAIN ST** **N/A**
< 1/8 **NORTH TONAWANDA, NY 14120**
0.065 mi.
344 ft. **Site 2 of 4 in cluster F**

Relative: EDR Hist Auto
Higher

Actual:
574 ft.

Year:	Name:	Type:
1969	PRESTO-FLITE INC	Gasoline Service Stations
1970	PRESTO-FLITE INC	Gasoline Service Stations
1975	PRESTO-FLITE INC	Gasoline Service Stations
1976	PRESTO-FLITE INC	Gasoline Service Stations
1977	PRESTO-FLITE INC	Gasoline Service Stations
1987	NOCO ENERGY CORP	Gasoline Service Stations
1987	NOCO HOME HEAT INC	Gasoline Service Stations
1988	NOCO MOTOR FUELS INC	Gasoline Service Stations
1989	NOCO MOTOR FUELS INC	Gasoline Service Stations, NEC
1990	NOCO MOTOR FUELS INC	Gasoline Service Stations, NEC
1991	NOCO MOTOR FUELS INC	Gasoline Service Stations, NEC
1992	NOCO MOTOR FUELS INC	Gasoline Service Stations, NEC
1993	NOCO MOTOR FUELS INC	Gasoline Service Stations, NEC
1998	NOCO ENERGY CORP	Gasoline Service Stations, NEC
2014	GULF EXPRESS MART	Gasoline Service Stations, NEC

F29 **NOCO/GULF GASOLINE STATION** **NY Spills** **S117973805**
SE **139 MAIN STREET** **N/A**
< 1/8 **NORTH TONAWANDA, NY 14120**
0.065 mi.
344 ft. **Site 3 of 4 in cluster F**

Relative: SPILLS:
Higher

Actual:
574 ft.

Name:	NOCO/GULF GASOLINE STATION
Address:	139 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Spill Number/Closed Date:	1502165 / 2015-08-14
Facility ID:	1502165
Facility Type:	ER
DER Facility ID:	51534

NOCO/GULF GASOLINE STATION (Continued) **S117973805**

Site ID:	508414
DEC Region:	9
Spill Cause:	Other
Spill Class:	B3
SWIS:	3212
Spill Date:	2015-05-01
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2015-05-28
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Other
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:	2015-05-28
Spill Record Last Update:	2015-08-14
Spiller Name:	TIM BOYLE
Spiller Company:	NOCO ENERGY CORPORATION
Spiller Address:	2440 SHERIDAN AVENUE
Spiller Company:	999
Contact Name:	MIKE LESAKOWSKI
DEC Memo:	"5/29/15:SAC INSPECT SITE. MET W/TIM BOYLE - NOCO AND MIKE LESAKOWSKI - BENCHMARK/TURNKEY ENVIRONMENTAL. THE CANOPY FELL OVER AT THE GASOLINE FUEL ISLANDS - DISPENSERS 3/4 AND 5/6 LOCATION. DURING THE EXCAVATION FOR THE NEW CANOPY FOUNDATIONS, THEY RAN INTO PETROLEUM CONTAMINATED SOIL. AREA WHERE THIS SOIL WAS FOUND IS ON THE SOUTHERN END OF THE DISPENSER AND ADJACENT TO THE PREVIOUS REMEDIAL EXCAVATION (SPILL NUMBER 0606789). CONTAMINATED SOIL WAS NOT FOUND IN THE EXCAVATION ON THE NORTH END OF THE DISPENSER. THE CONTAMINATED SOIL WILL BE TRANSPORTED TO THE TONAWANDA TERMINALS BIOREMEDIATION CELL. CONFIRMATORY SAMPLES FOR THE EXCAVATION WILL TAKEN ON THE SIDES AND WALLS OF THE SOUTH EXCAVATION AND ONE WALL SAMPLE WILL BE TAKEN AT THE NORTH EXCAVATION. SAC REQUESTED MR. LESAKOWSKI SUBMIT A REPORT DOCUMENTING THE CLEAN UP ACTIVITIES. 6/4/15:SENT CLEANUP REQUIREMENTS LETTER. 8/6/15:RECEIVED LETTER REPORT FROM TURNKEY ENVIRONMENTAL. 8/10/15:SAC REVIEW LETTER REPORT FROM TURNKEY ENV. W/GPS. BASED ON RESULTS. GPS REQUEST INSPECTION OF THE DISPENSER AND ANY TESTING DOCUMENTATION. SAC TELECON TIM BOYLE REQUESTING SITE INSPECTION. MR. BOYLE WILL HAVE A MAINTENANCE MANAGER FROM HIS COMPANY CONTACT SAC TO ARRANGE INSPECTION. 8/11/15:SAC TELECON RAMON CRUZ - NOCO ENERGY. INSPECTION ARRANGED FOR 8/14. 8/14/15:SAC INSPECT SITE. MET W/RAMON CRUZ. CHECKED PIPING UNDER DISPENSER 3&4. NO LEAKS OBSERVED. RECEIVED PASSING TEST REPORTS FOR SITE INCLUDING LINE TIGHTNESS TESTING. TEST DATES WERE 6/12/15 FOR THE TIGHTNESS TESTS AND LEAK DETECTOR TEST. TEST DATE FOR CORROSION PROTECTION TEST WAS 6/18/15 NEW MONITORING WELLS WERE INSTALLED WHERE THE NEW FOUNDATIONS WERE POURED. SAC DISCUSS TEST REPORTS AND INSPECTION W/GPS. SINCE TIGHTNESS TEST RESULTS WERE PASSING FOR USTS AND PIPING AND NO LEAKS WERE OBSERVED IN PIPING UNDER THE DISPENSER, OK TO MAKE SITE INACTIVE. DRAFTED 'I LETTER."
Remarks:	"CONTRACTOR IS ON-SITE REPLACING THE CANOPY FOOTER AND FOUND CONTAMINATED SOIL IN AREA OUTSIDE OF PREVIOUS ON-SITE REMEDIAL

NOCO/GULF GASOLINE STATION (Continued) **S117973805**

EXCAVATIONS."

All Materials:

Site ID:	508414
Operable Unit ID:	1257730
Operable Unit:	01
Material ID:	2260763
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

F30 **PRESTO-FLITE INC** **EDR Hist Auto** **1020719458**
SE **129 MAIN ST** **N/A**
< 1/8 **N TONAWANDA, NY 14120**
0.081 mi.
429 ft. **Site 4 of 4 in cluster F**

Relative: EDR Hist Auto
Higher

Actual: **574 ft.**

Year:	Name:	Type:
1971	PRESTO-FLITE INC	Gasoline Service Stations
1972	PRESTO-FLITE INC	Gasoline Service Stations
1973	PRESTO-FLITE INC	Gasoline Service Stations
1974	PRESTO-FLITE INC	Gasoline Service Stations

E31 **TOP SHOP COLLISION** **RCRA-VSQG** **1011490382**
North **285 MAIN ST** **NYN008019150**
< 1/8 **NORTH TONAWANDA, NY 14120**
0.085 mi.
447 ft. **Site 2 of 2 in cluster E**

Relative: RCRA-VSQG:
Higher

Actual: **571 ft.**

Date Form Received by Agency:		2008-06-04 00:00:00.0
Handler Name:	TOP SHOP COLLISION	
Handler Address:		285 MAIN ST
Handler City,State,Zip:		NORTH TONAWANDA, NY 14120
EPA ID:		NYN008019150
Contact Name:		JOE NOTARO
Contact Address:		MAIN ST
Contact City,State,Zip:		NORTH TONAWANDA, NY 14120
Contact Telephone:		716-743-1761
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
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

TOP SHOP COLLISION (Continued) **1011490382**

State District Owner:	NY
State District:	NYSDEC R9
Mailing Address:	MAIN ST
Mailing City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner Name:	Not reported
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:	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:	2008-07-08 11:42:06.0
Recognized Trader-Importer:	No

TOP SHOP COLLISION (Continued) **1011490382**

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

Historic Generators:

Receive Date:	2008-06-04 00:00:00.0
Handler Name: TOP SHOP COLLISION	
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

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

TOP SHOP COLLISION (Continued) **1011490382**

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:	2008-05-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYTRN
Evaluation Responsible Sub-Organization:	R9
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

G32 **CSX TRACK MAT** **NY Spills** **S118460909**
NNW **300 RIVER VIEW AVE** **N/A**
< 1/8 **TONAWANDA, NY 14150**
0.107 mi.
565 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
571 ft.

SPILLS:

Name:	CSX TRACK MAT
Address:	300 RIVER VIEW AVE
City,State,Zip:	TONAWANDA, NY 14150
Spill Number/Closed Date:	1509835 / 2016-01-20
Facility ID:	1509835
Facility Type:	ER
DER Facility ID:	470063
Site ID:	520477
DEC Region:	9
Spill Cause:	Equipment Failure
Spill Class:	D4
SWIS:	1564
Spill Date:	2016-01-02
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	2016-01-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
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:	2016-01-02

CSX TRACK MAT (Continued) **S118460909**

Spill Record Last Update:	2016-01-20
Spiller Name:	MIKE
Spiller Company:	CSX
Spiller Address:	300 RIVER VIEW AVE
Spiller Company:	999
Contact Name:	MIKE
DEC Memo:	"01/20/16 RMC/FILE. SPILL TO PROTECTIVE ABSORBENT ON THE TRACKS. ABSORBENTS WERE REMOVED AND DISPOSED OF IN THE NORMAL WASTE STREAM. NO SPILL ACTION REQUIRED. CLOSE OUT. "
Remarks:	"Clean up is started"

All Materials:

Site ID:	520477
Operable Unit ID:	1269520
Operable Unit:	01
Material ID:	2273563
Material Code:	0013
Material Name:	lube oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	5.00
Oxygenate:	Not reported

H33 **ROYAL OAK RECYCLING** **NY SWRCY S105838267**
ESE **22 MECHANIC STREET** **NY Spills N/A**
< 1/8 **NORTH TONAWANDA, NY 14120**
0.117 mi.
620 ft. **Site 1 of 2 in cluster H**

Relative: **Higher**

Actual: **575 ft.**

SWRCY:

Name:	ROYAL OAK RECYCLING
Address:	22 MECHANIC STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Region:	9
Facility Address 2:	Not reported
Phone Number:	7166923448
Owner Type:	Private
Owner Name:	Habib Mamou
Owner Address:	313 East Hudson
Owner Address 2:	Not reported
Owner City,St,Zip:	Royal Oak, MI 48067
Owner Email:	hmamou@rorecycling.com
Owner Phone:	2485916580
Contact Name:	Scott Hurd
Contact Address:	22 Mechanic St
Contact Address 2:	Not reported
Contact City,St,Zip:	North Tonawanda, NY 14120
Contact Email:	shurd@rorecycling.com
Contact Phone:	7162250417
Activity Desc:	RHRF - registration
Activity Number:	[32M07]
Active:	No
East Coordinate:	184098
North Coordinate:	4770956
Accuracy Code:	4.3 - Utilization of Digital Orthophoto Quads

ROYAL OAK RECYCLING (Continued) **S105838267**

Regulatory Status: Registration
Permit #: Not reported
Auth. Date: Not reported
Expiration Date: Not reported
Waste Types: Paperboard/Boxboard;Newspaper;Plastics;Metals (Ferrous);Metals (Non-Ferrous);Electronics
Operator Name: Scott Hurd
Operator Type: Private
Last Date: 10/29/2019

Name: ROYAL OAK RECYCLING
Address: 22 MECHANIC STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Region: 9
Facility Address 2: Not reported
Phone Number: 7166923448
Owner Type: Private
Owner Name: Habib Mamou
Owner Address: 313 East Hudson
Owner Address 2: Not reported
Owner City,St,Zip: Royal Oak, MI 48067
Owner Email: hmamou@rorecycling.com
Owner Phone: 2485916580
Contact Name: Scott Hurd
Contact Address: 22 Mechanic St
Contact Address 2: Not reported
Contact City,St,Zip: North Tonawanda, NY 14120
Contact Email: shurd@rorecycling.com
Contact Phone: 7162250417
Activity Desc: RHRF - greater than 5 tpd - registration
Activity Number: [32R20021]
Active: Yes
East Coordinate: 183518
North Coordinate: 4771359
Accuracy Code: 4 - GIS Assisted
Regulatory Status: Registration
Permit #: 32R20021
Auth. Date: 12/5/2019
Expiration Date: 12/4/2024
Waste Types: Newspaper;Office Paper;Paperboard/Boxboard;Other Aluminum Scrap Metal;Other Ferrous Scrap Metal;Other Non-Ferrous Scrap Metal;Plastic
Operator Name: Scott Hurd
Operator Type: Private
Last Date: Not reported

SPILLS:
Name: GREAT LAKES RECYCLING
Address: 22 MECHANIC ST
City,State,Zip: NORTH TONAWANDA, NY
Spill Number/Closed Date: 1204833 / 2012-09-17
Facility ID: 1204833
Facility Type: ER
DER Facility ID: 422042
Site ID: 467736
DEC Region: 9
Spill Cause: Human Error
Spill Class: C3

ROYAL OAK RECYCLING (Continued) **S105838267**

SWIS:	3212
Spill Date:	2012-08-14
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2012-08-14
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:	2012-08-14
Spill Record Last Update:	2012-09-18
Spiller Name:	TARIN LACEY
Spiller Company:	GREAT LAKES RECYCLING
Spiller Address:	22 MECHANIC ST
Spiller Company:	999
Contact Name:	TARIN LACEY
DEC Memo:	"8/14/12:SAC INSPECT SITE. MET W/JON GREENE, TARYN LACEY, & LARRY FROM GREAT LAKES RECYCLING. TOTE OF SHAVINGS AND OIL TIPPED OVER INSIDE OF THE TRUCK. PRODUCT LEAKED THROUGH THE WOOD FLOORBED AND ONTO PAVEMENT. KITTY LITTER WAS USED TO ABSORB PRODUCT ON THE PAVEMENT. ONCE THEY EMPTY THE TRUCK, THEY WILL CLEAN UP THE TRUCK BED. 8/15/12:DRAFTED DISPOSAL OPTION LETTER. 9/17/12:RECEIVED DISPOSAL RECEIPT. NO FURTHER WORK IS REQUIRED."
Remarks:	"loss onto pavement due to shift in shipment during transport,not contained, c/u pending"

All Materials:

Site ID:	467736
Operable Unit ID:	1217679
Operable Unit:	01
Material ID:	2215973
Material Code:	0007
Material Name:	cutting oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	55.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

H34 **RECYCLING** **NY Spills** **S114560636**
ESE **22 MECHANIC STREET** **N/A**
< 1/8 **NORTH TONAWANDA, NY**
0.117 mi.
620 ft. **Site 2 of 2 in cluster H**

Relative: **Higher**

Actual: **575 ft.**

SPILLS:

Name:	RECYCLING
Address:	22 MECHANIC STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	1307194 / 2015-11-30

RECYCLING (Continued) **S114560636**

Facility ID:	1307194
Facility Type:	ER
DER Facility ID:	442961
Site ID:	487851
DEC Region:	9
Spill Cause:	Equipment Failure
Spill Class:	D3
SWIS:	3212
Spill Date:	2013-10-09
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2013-10-10
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
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:	2013-10-10
Spill Record Last Update:	2015-11-30
Spiller Name:	JOSH QUANT
Spiller Company:	GLR RECYCLING
Spiller Address:	22 MECHANIC STREET
Spiller Company:	001
Contact Name:	JOSH QUANT
DEC Memo:	"10/10/13:SAC TELECON JOSH QUANT - GLR RECYCLING. THEY HAD A SMALL SPILL TO PAVEMENT WHICH THEY USED ABSORBENT SOCKS TO CONTAIN. THEY ARE ALSO USING SPEEDI-DRY TO COMPLETE THE CLEAN UP. THEY WILL CONTACT MODERN DISPOSAL TO NOTIFY THEM OF THE DISPOSAL. MR. QUANT SAID HE WILL SEND IN DISPOSAL DOCUMENTATION ONCE HE RECEIVES IT. 10/18/13:SAC INSPECT SITE. MET W/THOMAS CROOP - NORTH TONAWANDA ASST. FIRE CHIEF AND COSIMO CAPOZZI - NORTH TONAWANDA BUILDING INSPECTOR. MR. CROOP HAD REQUESTED JOINT INSPECTION EARLIER IN THE WEEK. MR.CAPOZZI INDICATED WHERE WATER AND SHEEN RAN OFF SITE. SIDEWALK WAS NOW DRY. NO STAINING OBSERVED. SOIL OUTSIDE FENCE WAS WET. NO PETROLEUM ODORS OBSERVED IN THE SOIL. VARIOUS PETROLEUM SHEENS OBSERVED IN STANDING WATER ON-SITE. THERE ARE METAL SHAVINGS/CUTTINGS ON GROUND AT THE SITE. SUSPECT SHEENS ARE FROM THE SHAVINGS AND DRIPPING OF CUTTING OIL. 10/24/13:SENT MEMO REGARDING 10/18/13 INSPECTION TO DIV OF MATERIALS MANAGEMENT AND DIVISION OF WATER FOR FURTHER POTENTIAL FOLLOW UP ON CONDITIONS OBSERVED. 10/31/13:RECEIVED COPY OF LETTER FROM NANCY LOSTER - DIV OF MATERIALS MANAGEMENT TO JOSH QUANT REGARDING HER 10/25/13 INSPECTION OF THE SITE. 11/2/15:SAC TELECON JON GREENE - GLR. MR. GREEN BELIEVES DISPOSAL HAS BEEN COMPLETED BUT HE WILL CHECK GLR'S RECORDS AND GET BACK TO SAC. RECEIVED MESSAGE FROM JON GREENE. NR. GREEN SAID DISPOSAL WAS COMPLETED BY HERITAGE-CRYSTAL CLEAN. THEY ARE SENDING HIM THE DISPOSAL RECORDS. ONCE HE RECEIVES THEM HE WILL CONTACT SAC. 11/3/15:SAC TELECON JON GREENE. DISCUSSED SPILL. DISPOSAL DOCUMENTATION FROM HERITAGE-CRYSTAL CLEAN WAS NOT FOR THIS SPILL. MR. GREENE REMEMBERS THE SPILL AND WILL LOOK INTO WHERE THE DISPOSAL TOOK PLACE. 11/30/15:SAC TELECON JON GREENE. MR. GREENE SAID HE STILL LOOKING INTO THE MATTER. HE HAS CONTACTED OTHER MANAGERS TO DETERMINE WHERE THE MATERIAL WAS

RECYCLING (Continued) **S114560636**

DISPOSED. HE BELIEVES THEY USED THE COMPANY, HAZMAN FOR THE DISPOSAL. SAC TELECON NICK HALLIDAY - THE ENVIRONMENTAL SERVICE GROUP. HAZMAN IS A SUBSIDARY OF THE ENVIRONMENTAL SERVICE GROUP. MR. HALLIDAY WAS ABLE TO FIND A DISPOSAL CERTIFICATE FROM GLR FROM 11/7/13 THAT WENT THROUGH THEIR AMERICAN RECYCLERS SUBSIDARY. THE CERTIFICATE IS FOR 1 DRUM OF CONTAMINATED MATERIAL. HE WILL FORWARD IT TO SAC. RECEIVED COPY OF ANALYTICAL REPORT, WASTE PROFILE REPORT, AND NON-HAZARDOUS WASTE MANIFEST FROM NICK HALLIDAY. FORWARDED DOCUMENTATION TO NANCY LOSTER AND JON GREENE. NO FURTHER WORK REQUIRED BY SPILLS."

Remarks: "Turnings in a trailer that spilled out and mixed with water on the ground. Socked the area and then removed the trailer and put down floor dry."

All Materials:

Site ID:	487851
Operable Unit ID:	1237483
Operable Unit:	01
Material ID:	2237150
Material Code:	0007
Material Name:	cutting oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

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35 **STRIP MALL AND GULF STATION** **NY Spills** **S108130870**
SE **105 -139 MAIN STREET** **N/A**
< 1/8 **NORTH TONAWANDA, NY 14120**
0.118 mi.
623 ft.

Relative: Higher

Actual: 574 ft.

SPILLS:

Name:	STRIP MALL AND GULF STATION
Address:	105 -139 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Spill Number/Closed Date:	0606789 / 2013-03-27
Facility ID:	0606789
Facility Type:	ER
DER Facility ID:	320030
Site ID:	370189
DEC Region:	9
Spill Cause:	Other
Spill Class:	B3
SWIS:	3212
Spill Date:	2006-09-12
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2006-09-13
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported

STRIP MALL AND GULF STATION (Continued) **S108130870**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-09-13
Spill Record Last Update:	2013-03-27
Spiller Name:	PAUL & DIANE ERTEL
Spiller Company:	PAUL & DIANE ERTEL
Spiller Address:	302 NIAGARA SHORE DRIVE
Spiller Company:	001
Contact Name:	ERIC LOVENDUSKY
DEC Memo:	"10/10/06:SAC TELECON ERIC LOVENDUSKY - HRP ASSOCIATES. HRP ASSOCIATES IS THE CONSULTANT/CONTRACTOR THAT PERFORMED THE PHASE II. MR. LOVENDUSKY SAID WORK WAS PERFORMED AS PART OF A PROPERTY TRANSFER. MR. LOVENDUSKY CALLED INQUIRING OF THE STATUS OF THE SITE. SAC SAID THE PHASE II REPORT HAS NOT BEEN RECEIVED. MR. LOVENDUSKY SAID HE WILL PUT IT IN THE MAIL TODAY. 10/19/06:RECEIVED PHASE II SITE INVESTIGATION REPORT. 10/30/06:SAC TELECON MIKE YOUNT - NOCO. MR. YOUNT REQUESTED MEETING AT SITE TO DISCUSS PHASE II REPORT. PROPERTY OWNER AND CONSULTANT TO BE AT MEETING. 11/1/06:SAC MET AT SITE W/MIKE YOUNT & TIM BOYLE - NOCO ENERGY CORP., PAUL ERTEL - PROPERTY OWNER & MIKE LESAKOWSKI - BENCHMARK ENVIRONMENTAL ENGINEERING AND SCIENCE. PHASE II INVESTIGATION FOUND 3 METALLIC ANOMALIES WHICH COULD BE TANKS. 8 BORINGS WERE INSTALLED WITH CONTAMINATION OBSERVED IN ALL THE BORINGS FROM ABOUT 10 TO 16 FT. THE AREA HAS SANDY GRAVEL. AS A FIRST PHASE, THEY PROPOSE TO EXCAVATE THE AREA WHERE THE 3 ANOMOLIES ARE TO CONFIRM WHETHER THERE ARE STILL TANKS ON-SITE. THEY WILL REMOVE CONTAMINATED SOIL AROUND THE TANKS IF FOUND DURING THE REMOVAL. THEY WILL INSTALL WELLS AFTER THIS PHASE TO CHECK GW CONDITIONS AND FOR POSSIBLE IN-SITU TREATMENT. 11/29/06:SAC TELECON MIKE LESAKOWSKI. MR. LESAKOWSKI SAID THEY WILL INSTALLING THE TEST PITS BY THE METALLIC ANOMALIES TOMORROW. THEY ALSO EXPECT TO DO SOME LIMITED CONTAMINATED SOIL REMOVAL. THE CONTAMINATED SOIL WILL BE STAGED ON-SITE. 11/30/06;SAC TELECON MIKE LESAKOWSKI. MR. LESAKOWSKI SAID THEY COMPLETED THE 3 TEST PITS AT THE 3 ANOMOLIES. THERE WERE 2 SMALL ANOMOLIES AND ONE LARGE ANOMOLY. THE ONE SMALL ANOMOLY WAS A METAL CABLE. AT THE SECOND ANOMOLY, NOTHING WAS FOUND. AT THE 3RD AND LARGEST ANOMOLY, THERE WAS THE OLD BUILDING FOUNDATION/CONCRETE SLAB WHICH WAS FOUND ABOUT 4 TO 5 FT. DEEP, AND A LOT OF FILL MATERIAL LIKE OLD WINDOW FRAMES. THERE WAS AN OLD GULF OIL SIGN IN THE EXCAVATION ALSO. THERE WAS ALSO A ONE FT. DEEP SUMP WITH OIL IN IT. ANY OIL CONTAMINATION FROM THIS WAS LIMITED. ABOUT 50 YDS OF MATERIAL WAS REMOVED AND STAGED ON-SITE. 11/30/06:SAC INSPECT SITE. MET W/RICK DUBISZ - BENCHMARK ENVIRONMENTAL AND JOE FRAWLEY - TODD AND COMPANY. TWO OF THE THREE EXCAVATED AREAS WERE BACKFILLED. PER MR. FRAWLEY AND MR. DUBISZ METAL CABLE WAS FOUND IN EACH OF THE SMALL EXCAVATIONS. THE SUMP IN THE FORMER BUIDLING FOUNDATION WHERE OIL WAS FOUND CONSISTED OF A 55 GALLON DRUM ENCASED IN CONCRETE. THE CONCRETE SLAB WAS BROKEN UP AND AN ADDITIONAL SAMPLE WAS TAKEN FROM UNDERNEATH. 1/29/07:SAC TELECON MIKE LESAKOWSKI. MR. LESAKOWSKI SAID THEY FINISHED INSTALLING 5 WELLS AT THE SITE AND HAVE COMPLETED A LETTER REPORT FOR THE WORK COMPLETED. HE WILL SUBMIT THE REPORT TO DEC. 2/9/07:RECEIVED SUPPLEMENTAL PHASE II SITE ASSESSMENT REPORT FROM BENCHMARK INVOLVING THE INSTALLATION OF 5 WELLS. 2/16/07:SAC TELECON MIKE LESAKOWSKI. DISCUSSED RESULTS OF INVESTIGATION. MR. LESAKOWSKI TO SPEAK W/MR. ERTEL TO INSTALL UPGRADIENT WELLS. ALSO WILL CHECK W/NORTH TONAWANDA FIRE DEPT. FOR ANY RECORDS REGARDING ON-SITE TANKS AND THE REMOVALS. WILL CHECK W/ASST. CHIEF LEON AT 693-2201.

STRIP MALL AND GULF STATION (Continued) **S108130870**

4/20/07:SAC TELECON MIKE LESAKOWSKI. ADDITIONAL INVESTIGATION HAS BEEN DONE. MR. LESAKOWSKI WILL SEND IN THE REPORT. MEETING SCHEDULED FOR 4/26/07. 4/25/07:RECEIVED ADDITIONAL SUBSURFACE INVESTIGATION REPORT. 4/26/07:SAC MET W/PAUL ERTEL AND MIKE LESAKOWSKI. WENT OVER SUBSURFACE INVESTIGATION REPORT. 6/7/07:DKK, SAC MET W/PAUL ERTEL AND MIKE LESAKOWSKI. DISCUSSED SPILL AND THE INVESTIGATION REPORTS. MR. LESAKOWSKI TO PUT TOGETHER A PLAN FOR FURTHER WORK. 6/11/07:SAC CHECKED DATA BASE. NO SPILL FILES WERE FOUND IN DATABASE AROUND THE TIME THE USTs WERE REMOVED. CHECKED PBS FILE, NO ANALYTICAL RESULTS FOUND IN THE FILE WITH REGARDS TO THE TANK REMOVALS. 6/27/07:SAC TELECON MIKE LESAKOWSKI. THEY HAVE DONE ADDITIONAL WORK ON-SITE INCLUDING INSTALLING ADDITIONAL WELLS AND BORINGS. MR. LESAKOWSKI EXPECTS RESULTS BACK NEXT WEEK. 7/19/07:RECEIVED ADDITIONAL SUBSURFACE INVESTIGATION REPORT. 7/?/07:SAC TELECON MIKE LESAKOWSKI. DISCUSSED REPORT. 3 AREAS OF CONTAMINATION WERE FOUND. NO DEFINITIVE SOURCE WAS FOUND FOR THE AREA IN THE MIDDLE OF LARGE PARKING AREA NORTH OF THE BUILDING. MR. ERTEL REQUESTS TO HAVE ANOTHER MEETING TO FURTHER DISCUSS RESULTS OF THE INVESTIGATION. MEETING SET UP FOR 8/1/07. 8/1/07:DKK, SAC MET W/PAUL ERTEL AND MIKE LESAKOWSKI. DISCUSSED RESULTS OF THE REPORT. SINCE AFTER EXTENSIVE INVESTIGATION HAS BEEN DONE NO DEFINITIVE SOURCE HAS BEEN FOUND, IT WAS AGREED THAT NO ADDITIONAL INVESTIGATION WILL BE REQUIRED. NEXT PHASE OF THE PROJECT WILL BE TO PUT TOGETHER A REMEDIAL/PILOT TEST WORKPLAN. SAC CONTACT NOCO SINCE THEY ARE A PRP DUE TO THE PROXIMITY OF THE FUELING STATION TO THE NORTHERNMOST AREA OF CONTAMINATION. 8/1/07:SAC TELECON MIKE YOUNT NOTIFYING HIM THAT NOCO WILL BE CONSIDERED A PRP. WILL SEND LETTER TO MR. YOUNT. 8/8/07:SAC SENT PRP LETTER TO MIKE YOUNT. REQUEST RESPONSE BY 9/15/07. 11/7/07:SAC CALLED MIKE YOUNT REGARDING STATUS. LEFT MESSAGE FOR A CALLBACK. 11/9/07:SAC TELECON MIKE YOUNT. MR. YOUNT SAID GEOPROBES WERE INSTALLED AROUND THE TANK SYSTEM AT THEIR FUELING STATION BY BENCHMARK. HE EXPECTS RESULTS IN THE NEAR FUTURE. 1/17/08:RECEIVED PHASE II REPORT AT NOCO STATION AT 139 MAIN ST FROM BENCHMARK. CONTAMINATION WAS FOUND AT THE 10 TO 12 FT. DEPTH. BENCHMARK CONCLUDES BASED ON THE DATA THAT THERE ARE 3 DISTINCT PLUMES. 3/7/08:SAC TELECON MIKE LESAKOWSKI. DISCUSSED NEED FOR ADDITIONAL INVESTIGATION. MR. LESAKOWSKI WILL DISCUSS W/MIKE YOUNT ON WHETHER TO SUBMIT LETTER PROPOSAL W/BORINGS OR NEED TO HAVE DEC SEND LETTER REQUIRING WORK. MR. LESAKOWSKI TO GET BACK TO SAC NEXT WEEK. 3/26/08:RECEIVED DRAWING OF PROPOSED MONITORING WELL INSTALLATION LOCATIONS. 3/28/08:SAC TELECON MIKE LESAKOWSKI. DISCUSSED POSSIBILTY OF INSTALLATION OF TEMP WELLS ACROSS STREET FROM LOCATION. MR. LESAKOWSKI TO DISCUSS W/MIKE YOUNT. 3/31/08:SAC RECEIVED MESSAGE FROM MIKE LESAKOWSKI. HE SPOKE TO MIKE YOUNT AND REQUESTED THEY ONLY INSTALL MWs ON-SITE FOR NOW. HE WILL NOTIFY SAC OF THE SCHEDULE. 4/17/08:RECEIVED MESSAGE FROM MIKE LESAKOWSKI THAT ADDITIONAL WELLS WERE INSTALLED LAST FRIDAY AND THEY ARE ON-SITE TO SAMPLE WELLS TODAY. 7/8/08:SAC MET W/MIKE YOUNT AND MIKE LESAKOWSKI. DURING MEETING RECEIVED ADDITIONAL; SUBSURFACE INVESTIGATION REPORT. BASED ON REPORT, THEY ARE PROPOSING A LIMITED EXCAVATION OF CONTAMINATED SOIL ALONG W/THE IN-SITU TREATMENT ISOC. 8/11/08:SAC TELECON MIKE LESAKOWSKI. MR. LESAKOWSKI SAID HE HAS NEARLY FINISHED WORKPLAN AND WILL BE SUBMITTING IT TO MIKE YOUNT SOON. 9/9/08:SAC RECEIVED MESSAGE FROM MIKE LESAKOWSKI. MS. LESAKOWSKI SAID HE SPOKE TO MIKE YOUNT AND PAUL ERTEL AND THEY AGREED TO A ROUND OF GW SAMPLING FROM ALL THE WELLS. 2/17/09:RECEIVED SEPTEMBER 2008 GROUNDWATER SAMPLING RESULTS REPORT. 2/10/10:SAC CALLED MIKE YOUNT AND MIKE LESAKOWSKI. LEFT MESSAGE FOR A CALL BACK. SAC TELECON MIKE YOUNT. FURTHER WORK

STRIP MALL AND GULF STATION (Continued) **S108130870**

REQUIRED. SAC DRAFTED LETTER REQUESTING WORK PLAN BY 5/28/10. 6/25/10:SAC TELECON MIKE YOUNT. MR. YOUNT SAID A WORK PLAN HAS BEEN DRAWN UP AND SHOULD BE SUBMITTED IN THE NEXT FEW WEEKS. 7/26/10:RECEIVED WORK PLANS FOR 105 MAIN ST. AND 139 MAIN ST. 8/9/10:SENT COMMENT LETTERS FOR WORK PLANS. 10/26/10:SAC TELECON MIKE LESAKOWSKI. MR. LESAKOWSKI SAID THAT BIOCELL IS IN THE PROCESS OF BEING PERMITTED NAD NEAR THE END OF CONSTRUCTION. ALSO, CLEAN UP WILL INVOLVE EXCAVATING AND REMOVING SOIL IN PARKING LOT. SINCE, NO PAVING CAN BE DONE UNTIL NEXT SPRING, CLEAN UP WILL BE DONE AT THAT TIME. 6/10/11;SAC TELECON MIKE LESAKOWSKI. MR. LESAKOWSKI WILL CALL MIKE YOUNT AND GET BACK TO SAC. 6/13/11:RECEIVED MESSAGE FROM MIKE LESAKOWSKI. HE SPOKE TO MIKE YOUNT WHO IS MEETING W/HIS MANAGEMENT THIS WEEK. MR. YOUNT ANTICIPATES HAVING A SCHEDULE IN THE NEXT 10 DAYS. 7/5/11:SAC TELECON MIKE YOUNT. MR. YOUNT SAID HE IS MEETING W/PAUL ERTEL, MIKE LESAKOWSKI AND TIM BOYLE LATER IN THE WEEK TO DISCUSS THE WORK. HE ANTICIPATES THE EXCAVATION STARTING AT THE END OF THIS MONTH. 7/7/11:RECEIVED MESSAGE FROM MIKE LESAKOWSKI. WORK TO BEGIN ON 8/1/11. 7/29/11:RECEIVED MESSAGE FROM MIKE LESAKOWSKI. WORK RESCHEDULED TO BEGIN ON 8/8/11. 8/8/11:SAC CALLED BENCHMARK ENVIRONMENTAL. SPOKE TO WOMAN ANSWERING PHONE. SHE CHECKED SCHEDULE AND CONFIRMED THAT WORK WAS STARTING TODAY. 8/9/11:SAC INSPECT SITE. MET MIKE YOUNT, JOE FRAWLEY - TODD COMPANY AND TOM BEHRENDT - BENCHMARK ENVIRONMENTAL. EXCAVATION BEGAN NEAR BORING MW-7. THEY EXCAVATED ABOUT 14 FT. CONTAMINATION WAS FOUND AT THE LOWER HALF OF THE EXCAVATION. THEY WERE FINDING SAND AND CRUSHED STONE AT THE BOTTOM OF THE EXCAVATION SO THEY COULD NOT PROCEED DEEPER. PETROLEUM ODORS, SHEEN, AND STAINING WERE OBSERVED. THEY HAVE DRAWN AN OUTLINE FOR WHERE THEY ARE GOING TO EXCAVATE. THEY ARE TRYING TO ALLOW ACCESS TO THE MALL. ONCE THE AREAS HAVE BEEN COMPLETED, THEY WILL GO BACK AND ADDRESS THE AREAS THEY DID NOT REMOVE. 8/10/11:SAC INSPECT SITE. MET W/TOM BEHRENDT. EXCAVATION IS CONTINUING MOVING IN THE SOUTH DIRECTION. THEY ARE AVOIDING A STORM SEWER GRATE AND A LIGHT STANCHION SO THEY DO NOT UNDERMINE THESE STRUCTURES. PETROLEUM ODORS AND SHEEN OBSERVED AS WILL BE EXPECTED THROUGHOUT THIS EXCAVATION. 8/11/11:SAC INSPECT SITE. MET W/MIKE YOUNT, TOM BEHRENDT, AND JOE FRAWLEY. EXCAVATION IS CONTINUING. THEY ARE ALSO BACKFILLING WITH PEA STONE. ABOUT 20 TRUCKLOADS WERE REMOVE THE PREVIOUS 2 DAYS. THEY HAVE REMOVED AN ADDITIONAL 17 TRUCKLOADS AT ABOUT 1:30 PM TODAY. MR. BEHRENDT MEASURED EXCAVATION DEPTH AND DETERMINED IT WAS AT LEAST 13 FT. STRONG ODORS OBSERVED. MR. BEHRENDT SAID PID METER READINGS RANGING IN THE 100 ppm LEVEL. 2 BAKER TANKS ON SITE. WATER WILL BE TREATED AND DISCHARGED TO THE SANITARY SEWER. PERMIT APPROVED BY NORTH TONAWANDA WWTP. 8/12/11:SAC INSPECT SITE. MET W/TOM BEHERENDT. MR. BEHRENDT SAID THAT THEY HAVE REMONED 59 TRUCKLOADS OF SOIL SINCE THE JOB STARTED. THEY WILL BE CONCENTRATING ON BACKFILLING FOR NOW BECAUSE THEY HAVE FILLED UP BOTH BAKER TANKS AND DO NOT WANT TO GENERATE MORE WATER UNTIL THEY HAVE COMPLETED DISCHARGING AND EMPTYING THE TANKS. HE DOES NOT ANTICIPATE APPROVAL FROM THE NORTH TONAWANDA WWTP UNTIL WEDNESDAY. HOWEVER, THEY MAY STILL CONTINUE TO EXCAVATE BEFORE WEDNESDAY BUT THAT WILL DEPEND ON THE SITE CONDITIONS. 8/16/11:SAC INSPECT SITE. MET W/TOM BEHRENDT AND JOE FRAWLEY. THEY WERE IN THE PROCESS OF BACKFILLING THE EXCAVATION BUT THERE HAS BEEN ADDITIONAL CONTAMINATED SOIL REMOVAL SINCE 8/12. THEY HAVE FILLED 4 BAKER TANKS WITH WATER. PETROLEUM ODORS AGAIN OBSERVED. NO WORK SCHEDULED FOR TOMORROW. 8/19/11:GPS, SAC INSPECT SITE. MET W/TOM BEHRENDT AND JOE FRAWLEY. THEY RECEIVED THEIR PERMIT FROM THE NORTH TONAWANDA WWTP AND ARE TREATING THE WATER. THEY ARE AND ROLLING

STRIP MALL AND GULF STATION (Continued) **S108130870**

THE FILL WHICH THEY USED TO BACKFILL THE EXCAVATION. EXCAVATION OF CONTAMINATED MATERIAL PROBABLY WON'T START UNTIL TUESDAY, 8/23. SINCE THERE IS SOME GLASS, CONSTRUCTION MATERIAL THAT WAS USED TO BACKFILL IN THE STATE DITCH THAT RUNS THROUGH THE PROPERTY, THIS MATERIAL WILL BE TRANSPORTED FOR DISPOSAL IN MODERN LANDFILL WHICH IS THE REASON WHY THE EXCAVATION WAS STOPPED FOR A FEW DAYS. 8/25/11:SAC INSPECT SITE. MET W/MIKE YOUNT AND TOM BEHRENDT. EXCAVATION RECOMMENCED YESTERDAY. EXCAVATION CONTINUED IN THE STATE DITCH AREA THAT WAS FILLED IN W/NON-NATIVE MATERIAL AS GLASS AND BRICKS WERE FOUND. THIS MATERIAL IS BEING DISPOSED AT MODERN DISPOSAL. EXCAVATION WENT TO THE SIDEWALK ALONG MAIN ST. THEY WILL BE EXCAVATING IN AN AREA THAT WILL BE GOING TO THE NOCO BIOCELL TOMORROW. 3 OF THE 4 BAKER TANKS HAVE BEEN TREATED, DISCHARGED AND ARE EMPTY. THEY ARE IN THE PROCESS OF EMPTYING THE 4TH TANK BUT ARE ALSO PUMPING THE WATER IN THE EXCAVATION BACK INTO THIS TANK. PRODUCT/SHEEN OBSERVED IN THE WATER. 8/26/11:SAC INSPECT SITE. MET W/TOM BEHRENDT AND JOE FRAWLEY. EXCAVATION IS CONTINUING. THEY ANTICIPATE BEING COMPLETED WITH THIS SECTION OF THE EXCAVATION BY TUESDAY, 8/30. ONCE COMPLETED THEY WILL PROBABLY DELAY A WEEK FOR THE NEXT SECTION AROUND THE 139 MAIN STREET GAS STATION. 8/29/11:SAC INSPECT SITE. MET W/MIKE YOUNT, TOM BEHRENDT, AND JOE FRAWLEY. EXCAVATION CONTINUING AND SHOULD BE COMPLETED TODAY. THEY WILL BACKFILL TOMORROW. 9/14/11:RECEIVED MESSAGE FROM MIKE LESAKOWSKI. ADDITIONAL EXCAVATION BEGAN TODAY IN ONE CORNER. EXPECT WORK WILL BE COMPLETED IN A COUPLE OF DAYS. 9/16/11:SAC TELECON TOM BEHRENDT. THEY ARE CONTINUING TO WORK AT THE SOUTHERNMOST CORNER OF THE PROPERTY. THEY HAVE NOT FINISHED THE EXCAVATION AND THEY WILL BE THERE ON MON., 9/19. 9/19/11:SAC INSPECT SITE. SPOKE TO EQUIPMENT OPERATOR. THE EQUIPMENT OPERATOR SAID THAT THE EXCAVATION HAS BEEN COMPLETED. THEY WERE BACKFILLING THE EXCAVATION W/PEA STONE. THEY ALSO USED THE OVERBURDEN THAT THEY FIELD SCREENED. 10/3/11:RECEIVED MESSAGE FROM MIKE LESAKOWSKI. EXCAVATION BEGAN TODAY AT 139 MAIN ST AND 2 ABANDONED TANKS FILLED W/SAND WERE FOUND. THEY WILL REMOVE THE TANKS. 10/4/11:SAC INSPECT SITE. MET W/MIKE YOUNT, MIKE LESAKOWSKI, TOM BEHRENDT, & JOE FRAWLEY. EXCAVATING ALONG THE MAIN ST. SIDE OF THE PROPERTY. TANKS THAT WERE FOUND HAVE NOT YET BEEN REMOVED. THEY WILL MOST LIKELY BE REMOVED LATER TODAY OR TOMORROW. THERE WAS ABANDONED PIPING ASSOCIATED WITH THESE TANKS THAT WAS FOUND AND BEING REMOVED. EXCAVATION AT THE SITE STARTED LAST TUESDAY, 9/27. SAC WAS NOT NOTIFIED. IT WAS ON THE SOUTHEAST PORTION OF THE SITE. EXCAVATION HAS BEEN PARTIALLY BACKFILLED. PER MR. LESAKOWKSI, SIMILAR CONDITIONS WITH WHAT WAS FOUND DURING THE EXCAVATION AT 105 MAIN ST. WITH CONTAMINATION FOUND AT AROUND 8 FT. WHERE THE EXCAVATION IS TAKING PLACE TODAY, CONTAMINATION IS OBSERVED AT A SLIGHLTY SHALLOWER DEPTH OF AROUND 6 FT. 10/5/11:SAC INSPECT SITE. MET W/TOM BEHRENDT AND JOE FRAWLEY. THE TWO ABANDONED USTs WERE UNCOVERED. THEY WERE FILLED W/CONCRETE AND THEY WERE IN THE PROCESS OF BREAKING UP THE CONCRETE. 10/6/11:SAC INSPECT SITE. MET W/TOM BEHRENDT. TANKS WERE REMOVED. STRONG ODORS AND PRODUCT WERE OBSERVED SIMILAR TO WHAT WAS OBSERVED PREVIOUSLY. 6/6/12:SAC TELECON MIKE YOUNT. MR. YOUNT IS NOW WORKING FOR BENCHMARK ENVIRONMENTAL BUT IS STILL THE LEAD ON THIS PROJECT. MR. YOUNT SAID THAT THE REMEDIATION REPORT IS ALMOST FINISHED AND THEY SHOULD BE SUBMITTING IT IN THE NEAR FUTURE. 8/9/12:RECEIVED SPILL CLOSURE REPORT FROM BENCHMARK. 8/22/12:SAC DISCUSS SPILL CLOSURE REPORT W/GPS. BASED ON RESULTS, GPS REQUEST GW SAMPLING OF EXISTING MONTIORING WELLS. SAC TELECON MIKE YOUNT REGARDING WELL SAMPLING. MR. YOUNT WILL VISIT SITE TO DETERMINE WHICH WELLS REMAIN AND THEN NOTIFY

STRIP MALL AND GULF STATION (Continued) **S108130870**

AND PROPOSE SAMPLING OF THE WELLS. 8/23/12:RECEIVED MESSAGE FROM MIKE YOUNT. THERE ARE 7 WELLS REMAINING ON-SITE AND THEY WILL SAMPLE THEM TOMORROW. 8/24/12:SAC INSPECT SITE. MET W/TOM BEHRENDT. MR. BEHRENDT SAID THEY ARE GOING TO SAMPLE THE FOLLOWING WELLS: MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, MW-14 (OR PZ-1 OR PZ-2 WHICH ARE IN THE AREA OF MW-14). MW-5, MW-10, MW-12, MW-13, PZ-3, PZ-4, AND PZ-5 WERE REMOVED SINCE THEY WERE IN THE EXCAVATED AREAS. MW-9 IS AWAY FROM THE EXCAVATED AREAS AND THE PARAMETERS WERE NEARLY NON-DETECT FROM AN EARLIER SAMPLING ANALYSIS. MW-11 WAS OFF-SITE AND COULD NOT BE LOCATED. THE AREA WHERE IT IS LOCATED, APPEARS TO HAVE BEEN FILLED IN AND THEREFORE, THIS WELL WAS MOST LIKELY COVERED. 10/31/12:RECEIVED AUGUST 2012 GROUNDWATER MONITORING REPORT. THE EPA METHOD 8260 CP-51 TABLE 2 ANALYTICAL RESULTS ARE AS FOLLOWS: MW-1 = ND MW-2 = 460.3 ppb MW-3 = 250.7 ppb MW-4 = 887.8 ppb MW-6 = 737 ppb MW-7 = 140.11 ppb MW-8 = 1.99 ppb MW-14 = ND 11/1/12:SAC SPOKE TO GPS ABOUT AUGUST 2012 GW MONITORING REPORT. GPS REQUEST AT LEAST ONE MORE ROUND OF SAMPLING. SAC TELECON MIKE YOUNT REQUESTING ANOTHER ROUND OF SAMPLING. MR. YOUNT WILL NOTIFY RPs REGARDING REQUEST AND WILL ARRANGE FOR THE SAMPLING. 3/19/13:RECEIVED JANUARY 2013 GW MONTIROING RESULTS. THE EPA METHOD 8260 CP-51 TABLE 2 RESULTS ARE AS FOLLOWS: MW-1 = ND MW-2 = 534 ppb MW-3 = 271.5 ppb MW-4 = 412.8 ppb MW-6 = 1150.53 ppb MW-7 = 40.8 ppb MW-8 = ND MW-14 = 3.3 ppb 3/21/13:SAC DISCUSS LATEST ROUND OF RESULTS W/GPS. OK TO MAKE SITE INACTIVE . DRAFTED I LETTER. 3/27/13: I LETTER TYPED AND SIGNED. NO FURTHER WORK IS REQUIRED. NO PAPER FILE."

Remarks: "DURING SOIL TESTING FOUND CONTAMINATED SOIL AND GROUNDWATER"

All Materials:

Site ID:	370189
Operable Unit ID:	1128010
Operable Unit:	01
Material ID:	2117618
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	STRIP MALL AND GULF STATION
Address:	105 -139 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Spill Number/Closed Date:	0606789 / 2013-03-27
Facility ID:	0606789
Facility Type:	ER
DER Facility ID:	320030
Site ID:	370189
DEC Region:	9
Spill Cause:	Other
Spill Class:	B3
SWIS:	3212
Spill Date:	2006-09-12
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2006-09-13

STRIP MALL AND GULF STATION (Continued) **S108130870**

CID:	444
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:	2006-09-13
Spill Record Last Update:	2013-03-27
Spiller Name:	MIKE YOUNT
Spiller Company:	NOCO ENERGY CORP
Spiller Address:	700 GRAND ISLAND BLVD.
Spiller Company:	001
Contact Name:	ERIC LOVENDUSKY
DEC Memo:	"10/10/06:SAC TELECON ERIC LOVENDUSKY - HRP ASSOCIATES. HRP ASSOCIATES IS THE CONSULTANT/CONTRACTOR THAT PERFORMED THE PHASE II. MR. LOVENDUSKY SAID WORK WAS PERFORMED AS PART OF A PROPERTY TRANSFER. MR. LOVENDUSKY CALLED INQUIRING OF THE STATUS OF THE SITE. SAC SAID THE PHASE II REPORT HAS NOT BEEN RECEIVED. MR. LOVENDUSKY SAID HE WILL PUT IT IN THE MAIL TODAY. 10/19/06:RECEIVED PHASE II SITE INVESTIGATION REPORT. 10/30/06:SAC TELECON MIKE YOUNT - NOCO. MR. YOUNT REQUESTED MEETING AT SITE TO DISCUSS PHASE II REPORT. PROPERTY OWNER AND CONSULTANT TO BE AT MEETING. 11/1/06:SAC MET AT SITE W/MIKE YOUNT & TIM BOYLE - NOCO ENERGY CORP., PAUL ERTEL - PROPERTY OWNER & MIKE LESAKOWSKI - BENCHMARK ENVIRONMENTAL ENGINEERING AND SCIENCE. PHASE II INVESTIGATION FOUND 3 METALLIC ANOMALIES WHICH COULD BE TANKS. 8 BORINGS WERE INSTALLED WITH CONTAMINATION OBSERVED IN ALL THE BORINGS FROM ABOUT 10 TO 16 FT. THE AREA HAS SANDY GRAVEL. AS A FIRST PHASE, THEY PROPOSE TO EXCAVATE THE AREA WHERE THE 3 ANOMOLIES ARE TO CONFIRM WHETHER THERE ARE STILL TANKS ON-SITE. THEY WILL REMOVE CONTAMINATED SOIL AROUND THE TANKS IF FOUND DURING THE REMOVAL. THEY WILL INSTALL WELLS AFTER THIS PHASE TO CHECK GW CONDITIONS AND FOR POSSIBLE IN-SITU TREATMENT. 11/29/06:SAC TELECON MIKE LESAKOWSKI. MR. LESAKOWSKI SAID THEY WILL INSTALLING THE TEST PITS BY THE METALLIC ANOMALIES TOMORROW. THEY ALSO EXPECT TO DO SOME LIMITED CONTAMINATED SOIL REMOVAL. THE CONTAMINATED SOIL WILL BE STAGED ON-SITE. 11/30/06;SAC TELECON MIKE LESAKOWSKI. MR. LESAKOWSKI SAID THEY COMPLETED THE 3 TEST PITS AT THE 3 ANOMOLIES. THERE WERE 2 SMALL ANOMOLIES AND ONE LARGE ANOMOLY. THE ONE SMALL ANOMOLY WAS A METAL CABLE. AT THE SECOND ANOMOLY, NOTHING WAS FOUND. AT THE 3RD AND LARGEST ANOMOLY, THERE WAS THE OLD BUILDING FOUNDATION/CONCRETE SLAB WHICH WAS FOUND ABOUT 4 TO 5 FT. DEEP, AND A LOT OF FILL MATERIAL LIKE OLD WINDOW FRAMES. THERE WAS AN OLD GULF OIL SIGN IN THE EXCAVATION ALSO. THERE WAS ALSO A ONE FT. DEEP SUMP WITH OIL IN IT. ANY OIL CONTAMINATION FROM THIS WAS LIMITED. ABOUT 50 YDS OF MATERIAL WAS REMOVED AND STAGED ON-SITE. 11/30/06:SAC INSPECT SITE. MET W/RICK DUBISZ - BENCHMARK ENVIRONMENTAL AND JOE FRAWLEY - TODD AND COMPANY. TWO OF THE THREE EXCAVATED AREAS WERE BACKFILLED. PER MR. FRAWLEY AND MR. DUBISZ METAL CABLE WAS FOUND IN EACH OF THE SMALL EXCAVATIONS. THE SUMP IN THE FORMER BUIDLING FOUNDATION WHERE OIL WAS FOUND CONSISTED OF A 55 GALLON DRUM ENCASED IN CONCRETE. THE CONCRETE SLAB WAS BROKEN UP AND AN ADDITIONAL SAMPLE WAS TAKEN FROM UNDERNEATH. 1/29/07:SAC TELECON MIKE LESAKOWSKI. MR. LESAKOWSKI SAID THEY FINISHED INSTALLING 5 WELLS AT THE SITE AND HAVE COMPLETED A LETTER

STRIP MALL AND GULF STATION (Continued) **S108130870**

REPORT FOR THE WORK COMPLETED. HE WILL SUBMIT THE REPORT TO DEC. 2/9/07:RECEIVED SUPPLEMENTAL PHASE II SITE ASSESSMENT REPORT FROM BENCHMARK INVOLVING THE INSTALLATION OF 5 WELLS. 2/16/07:SAC TELECON MIKE LESAKOWSKI. DISCUSSED RESULTS OF INVESTIGATION. MR. LESAKOWSKI TO SPEAK W/MR. ERTEL TO INSTALL UPGRADIENT WELLS. ALSO WILL CHECK W/NORTH TONAWANDA FIRE DEPT. FOR ANY RECORDS REGARDING ON-SITE TANKS AND THE REMOVALS. WILL CHECK W/ASST. CHIEF LEON AT 693-2201. 4/20/07:SAC TELECON MIKE LESAKOWSKI. ADDITIONAL INVESTIGATION HAS BEEN DONE. MR. LESAKOWSKI WILL SEND IN THE REPORT. MEETING SCHEDULED FOR 4/26/07. 4/25/07:RECEIVED ADDITIONAL SUBSURFACE INVESTIGATION REPORT. 4/26/07:SAC MET W/PAUL ERTEL AND MIKE LESAKOWSKI. WENT OVER SUBSURFACE INVESTIGATION REPORT. 6/7/07:DKK, SAC MET W/PAUL ERTEL AND MIKE LESAKOWSKI. DISCUSSED SPILL AND THE INVESTIGATION REPORTS. MR. LESAKOWSKI TO PUT TOGETHER A PLAN FOR FURTHER WORK. 6/11/07:SAC CHECKED DATA BASE. NO SPILL FILES WERE FOUND IN DATABASE AROUND THE TIME THE USTs WERE REMOVED. CHECKED PBS FILE, NO ANALYTICAL RESULTS FOUND IN THE FILE WITH REGARDS TO THE TANK REMOVALS. 6/27/07:SAC TELECON MIKE LESAKOWSKI. THEY HAVE DONE ADDITIONAL WORK ON-SITE INCLUDING INSTALLING ADDITIONAL WELLS AND BORINGS. MR. LESAKOWSKI EXPECTS RESULTS BACK NEXT WEEK. 7/19/07:RECEIVED ADDITIONAL SUBSURFACE INVESTIGATION REPORT. 7/?/07:SAC TELECON MIKE LESAKOWSKI. DISCUSSED REPORT. 3 AREAS OF CONTAMINATION WERE FOUND. NO DEFINITIVE SOURCE WAS FOUND FOR THE AREA IN THE MIDDLE OF LARGE PARKING AREA NORTH OF THE BUILDING. MR. ERTEL REQUESTS TO HAVE ANOTHER MEETING TO FURTHER DISCUSS RESULTS OF THE INVESTIGATION. MEETING SET UP FOR 8/1/07. 8/1/07:DKK, SAC MET W/PAUL ERTEL AND MIKE LESAKOWSKI. DISCUSSED RESULTS OF THE REPORT. SINCE AFTER EXTENSIVE INVESTIGATION HAS BEEN DONE NO DEFINITIVE SOURCE HAS BEEN FOUND, IT WAS AGREED THAT NO ADDITIONAL INVESTIGATION WILL BE REQUIRED. NEXT PHASE OF THE PROJECT WILL BE TO PUT TOGETHER A REMEDIAL/PILOT TEST WORKPLAN. SAC CONTACT NOCO SINCE THEY ARE A PRP DUE TO THE PROXIMITY OF THE FUELING STATION TO THE NORTHERNMOST AREA OF CONTAMINATION. 8/1/07:SAC TELECON MIKE YOUNT NOTIFYING HIM THAT NOCO WILL BE CONSIDERED A PRP. WILL SEND LETTER TO MR. YOUNT. 8/8/07:SAC SENT PRP LETTER TO MIKE YOUNT. REQUEST RESPONSE BY 9/15/07. 11/7/07:SAC CALLED MIKE YOUNT REGARDING STATUS. LEFT MESSAGE FOR A CALLBACK. 11/9/07:SAC TELECON MIKE YOUNT. MR. YOUNT SAID GEOPROBES WERE INSTALLED AROUND THE TANK SYSTEM AT THEIR FUELING STATION BY BENCHMARK. HE EXPECTS RESULTS IN THE NEAR FUTURE. 1/17/08:RECEIVED PHASE II REPORT AT NOCO STATION AT 139 MAIN ST FROM BENCHMARK. CONTAMINATION WAS FOUND AT THE 10 TO 12 FT. DEPTH. BENCHMARK CONCLUDES BASED ON THE DATA THAT THERE ARE 3 DISTINCT PLUMES. 3/7/08:SAC TELECON MIKE LESAKOWSKI. DISCUSSED NEED FOR ADDITIONAL INVESTIGATION. MR. LESAKOWSKI WILL DISCUSS W/MIKE YOUNT ON WHETHER TO SUBMIT LETTER PROPOSAL W/BORINGS OR NEED TO HAVE DEC SEND LETTER REQUIRING WORK. MR. LESAKOWSKI TO GET BACK TO SAC NEXT WEEK. 3/26/08:RECEIVED DRAWING OF PROPOSED MONITORING WELL INSTALLATION LOCATIONS. 3/28/08:SAC TELECON MIKE LESAKOWSKI. DISCUSSED POSSIBILTY OF INSTALLATION OF TEMP WELLS ACROSS STREET FROM LOCATION. MR. LESAKOWSKI TO DISCUSS W/MIKE YOUNT. 3/31/08:SAC RECEIVED MESSAGE FROM MIKE LESAKOWSKI. HE SPOKE TO MIKE YOUNT AND REQUESTED THEY ONLY INSTALL MWs ON-SITE FOR NOW. HE WILL NOTIFY SAC OF THE SCHEDULE. 4/17/08:RECEIVED MESSAGE FROM MIKE LESAKOWSKI THAT ADDITIONAL WELLS WERE INSTALLED LAST FRIDAY AND THEY ARE ON-SITE TO SAMPLE WELLS TODAY. 7/8/08:SAC MET W/MIKE YOUNT AND MIKE LESAKOWSKI. DURING MEETING RECEIVED ADDITIONAL; SUBSURFACE INVESTIGATION REPORT. BASED ON REPORT, THEY ARE PROPOSING A LIMITED EXCAVATION OF CONTAMINATED SOIL ALONG W/THE IN-SITU TREATMENT ISOC. 8/11/08:SAC TELECON MIKE

STRIP MALL AND GULF STATION (Continued) **S108130870**

LESAKOWSKI. MR. LESAKOWSKI SAID HE HAS NEARLY FINISHED WORKPLAN AND WILL BE SUBMITTING IT TO MIKE YOUNT SOON. 9/9/08:SAC RECEIVED MESSAGE FROM MIKE LESAKOWSKI. MS. LESAKOWSKI SAID HE SPOKE TO MIKE YOUNT AND PAUL ERTEL AND THEY AGREED TO A ROUND OF GW SAMPLING FROM ALL THE WELLS. 2/17/09:RECEIVED SEPTEMBER 2008 GROUNDWATER SAMPLING RESULTS REPORT. 2/10/10:SAC CALLED MIKE YOUNT AND MIKE LESAKOWSKI. LEFT MESSAGE FOR A CALL BACK. SAC TELECON MIKE YOUNT. FURTHER WORK REQUIRED. SAC DRAFTED LETTER REQUESTING WORK PLAN BY 5/28/10. 6/25/10:SAC TELECON MIKE YOUNT. MR. YOUNT SAID A WORK PLAN HAS BEEN DRAWN UP AND SHOULD BE SUBMITTED IN THE NEXT FEW WEEKS. 7/26/10:RECEIVED WORK PLANS FOR 105 MAIN ST. AND 139 MAIN ST. 8/9/10:SENT COMMENT LETTERS FOR WORK PLANS. 10/26/10:SAC TELECON MIKE LESAKOWSKI. MR. LESAKOWSKI SAID THAT BIOCELL IS IN THE PROCESS OF BEING PERMITTED NAD NEAR THE END OF CONSTRUCTION. ALSO, CLEAN UP WILL INVOLVE EXCAVATING AND REMOVING SOIL IN PARKING LOT. SINCE, NO PAVING CAN BE DONE UNTIL NEXT SPRING, CLEAN UP WILL BE DONE AT THAT TIME. 6/10/11;SAC TELECON MIKE LESAKOWSKI. MR. LESAKOWSKI WILL CALL MIKE YOUNT AND GET BACK TO SAC. 6/13/11:RECEIVED MESSAGE FROM MIKE LESAKOWSKI. HE SPOKE TO MIKE YOUNT WHO IS MEETING W/HIS MANAGEMENT THIS WEEK. MR. YOUNT ANTICIPATES HAVING A SCHEDULE IN THE NEXT 10 DAYS. 7/5/11:SAC TELECON MIKE YOUNT. MR. YOUNT SAID HE IS MEETING W/PAUL ERTEL, MIKE LESAKOWSKI AND TIM BOYLE LATER IN THE WEEK TO DISCUSS THE WORK. HE ANTICIPATES THE EXCAVATION STARTING AT THE END OF THIS MONTH. 7/7/11:RECEIVED MESSAGE FROM MIKE LESAKOWSKI. WORK TO BEGIN ON 8/1/11. 7/29/11:RECEIVED MESSAGE FROM MIKE LESAKOWSKI. WORK RESCHEDULED TO BEGIN ON 8/8/11. 8/8/11:SAC CALLED BENCHMARK ENVIRONMENTAL. SPOKE TO WOMAN ANSWERING PHONE. SHE CHECKED SCHEDULE AND CONFIRMED THAT WORK WAS STARTING TODAY. 8/9/11:SAC INSPECT SITE. MET MIKE YOUNT, JOE FRAWLEY - TODD COMPANY AND TOM BEHRENDT - BENCHMARK ENVIRONMENTAL. EXCAVATION BEGAN NEAR BORING MW-7. THEY EXCAVATED ABOUT 14 FT. CONTAMINATION WAS FOUND AT THE LOWER HALF OF THE EXCAVATION. THEY WERE FINDING SAND AND CRUSHED STONE AT THE BOTTOM OF THE EXCAVATION SO THEY COULD NOT PROCEED DEEPER. PETROLEUM ODORS, SHEEN, AND STAINING WERE OBSERVED. THEY HAVE DRAWN AN OUTLINE FOR WHERE THEY ARE GOING TO EXCAVATE. THEY ARE TRYING TO ALLOW ACCESS TO THE MALL. ONCE THE AREAS HAVE BEEN COMPLETED, THEY WILL GO BACK AND ADDRESS THE AREAS THEY DID NOT REMOVE. 8/10/11:SAC INSPECT SITE. MET W/TOM BEHRENDT. EXCAVATION IS CONTINUING MOVING IN THE SOUTH DIRECTION. THEY ARE AVOIDING A STORM SEWER GRATE AND A LIGHT STANCHION SO THEY DO NOT UNDERMINE THESE STRUCTURES. PETROLEUM ODORS AND SHEEN OBSERVED AS WILL BE EXPECTED THROUGHOUT THIS EXCAVATION. 8/11/11:SAC INSPECT SITE. MET W/MIKE YOUNT, TOM BEHRENDT, AND JOE FRAWLEY. EXCAVATION IS CONTINUING. THEY ARE ALSO BACKFILLING WITH PEA STONE. ABOUT 20 TRUCKLOADS WERE REMOVE THE PREVIOUS 2 DAYS. THEY HAVE REMOVED AN ADDITIONAL 17 TRUCKLOADS AT ABOUT 1:30 PM TODAY. MR. BEHRENDT MEASURED EXCAVATION DEPTH AND DETERMINED IT WAS AT LEAST 13 FT. STRONG ODORS OBSERVED. MR. BEHRENDT SAID PID METER READINGS RANGING IN THE 100 ppm LEVEL. 2 BAKER TANKS ON SITE. WATER WILL BE TREATED AND DISCHARGED TO THE SANITARY SEWER. PERMIT APPROVED BY NORTH TONAWANDA WWTP. 8/12/11:SAC INSPECT SITE. MET W/TOM BEHERENDT. MR. BEHRENDT SAID THAT THEY HAVE REMONED 59 TRUCKLOADS OF SOIL SINCE THE JOB STARTED. THEY WILL BE CONCENTRATING ON BACKFILLING FOR NOW BECAUSE THEY HAVE FILLED UP BOTH BAKER TANKS AND DO NOT WANT TO GENERATE MORE WATER UNTIL THEY HAVE COMPLETED DISCHARGING AND EMPTYING THE TANKS. HE DOES NOT ANTICIPATE APPROVAL FROM THE NORTH TONAWANDA WWTP UNTIL WEDNESDAY. HOWEVER, THEY MAY STILL CONTINUE TO EXCAVATE BEFORE WEDNESDAY BUT THAT WILL DEPEND ON THE SITE

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CONDITIONS. 8/16/11:SAC INSPECT SITE. MET W/TOM BEHRENDT AND JOE FRAWLEY. THEY WERE IN THE PROCESS OF BACKFILLING THE EXCAVATION BUT THERE HAS BEEN ADDITIONAL CONTAMINATED SOIL REMOVAL SINCE 8/12. THEY HAVE FILLED 4 BAKER TANKS WITH WATER. PETROLEUM ODORS AGAIN OBSERVED. NO WORK SCHEDULED FOR TOMORROW. 8/19/11:GPS, SAC INSPECT SITE. MET W/TOM BEHRENDT AND JOE FRAWLEY. THEY RECEIVED THEIR PERMIT FROM THE NORTH TONAWANDA WWTP AND ARE TREATING THE WATER. THEY ARE AND ROLLING THE FILL WHICH THEY USED TO BACKFILL THE EXCAVATION. EXCAVATION OF CONTAMINATED MATERIAL PROBABLY WON'T START UNTIL TUESDAY, 8/23. SINCE THERE IS SOME GLASS, CONSTRUCTION MATERIAL THAT WAS USED TO BACKFILL IN THE STATE DITCH THAT RUNS THROUGH THE PROPERTY, THIS MATERIAL WILL BE TRANSPORTED FOR DISPOSAL IN MODERN LANDFILL WHICH IS THE REASON WHY THE EXCAVATION WAS STOPPED FOR A FEW DAYS. 8/25/11:SAC INSPECT SITE. MET W/MIKE YOUNT AND TOM BEHRENDT. EXCAVATION RECOMMENCED YESTERDAY. EXCAVATION CONTINUED IN THE STATE DITCH AREA THAT WAS FILLED IN W/NON-NATIVE MATERIAL AS GLASS AND BRICKS WERE FOUND. THIS MATERIAL IS BEING DISPOSED AT MODERN DISPOSAL. EXCAVATION WENT TO THE SIDEWALK ALONG MAIN ST. THEY WILL BE EXCAVATING IN AN AREA THAT WILL BE GOING TO THE NOCO BIOCELL TOMORROW. 3 OF THE 4 BAKER TANKS HAVE BEEN TREATED, DISCHARGED AND ARE EMPTY. THEY ARE IN THE PROCESS OF EMPTYING THE 4TH TANK BUT ARE ALSO PUMPING THE WATER IN THE EXCAVATION BACK INTO THIS TANK. PRODUCT/SHEEN OBSERVED IN THE WATER. 8/26/11:SAC INSPECT SITE. MET W/TOM BEHRENDT AND JOE FRAWLEY. EXCAVATION IS CONTINUING. THEY ANTICIPATE BEING COMPLETED WITH THIS SECTION OF THE EXCAVATION BY TUESDAY, 8/30. ONCE COMPLETED THEY WILL PROBABLY DELAY A WEEK FOR THE NEXT SECTION AROUND THE 139 MAIN STREET GAS STATION. 8/29/11:SAC INSPECT SITE. MET W/MIKE YOUNT, TOM BEHRENDT, AND JOE FRAWLEY. EXCAVATION CONTINUING AND SHOULD BE COMPLETED TODAY. THEY WILL BACKFILL TOMORROW. 9/14/11:RECEIVED MESSAGE FROM MIKE LESAKOWSKI. ADDITIONAL EXCAVATION BEGAN TODAY IN ONE CORNER. EXPECT WORK WILL BE COMPLETED IN A COUPLE OF DAYS. 9/16/11:SAC TELECON TOM BEHRENDT. THEY ARE CONTINUING TO WORK AT THE SOUTHERNMOST CORNER OF THE PROPERTY. THEY HAVE NOT FINISHED THE EXCAVATION AND THEY WILL BE THERE ON MON., 9/19. 9/19/11:SAC INSPECT SITE. SPOKE TO EQUIPMENT OPERATOR. THE EQUIPMENT OPERATOR SAID THAT THE EXCAVATION HAS BEEN COMPLETED. THEY WERE BACKFILLING THE EXCAVATION W/PEA STONE. THEY ALSO USED THE OVERBURDEN THAT THEY FIELD SCREENED. 10/3/11:RECEIVED MESSAGE FROM MIKE LESAKOWSKI. EXCAVATION BEGAN TODAY AT 139 MAIN ST AND 2 ABANDONED TANKS FILLED W/SAND WERE FOUND. THEY WILL REMOVE THE TANKS. 10/4/11:SAC INSPECT SITE. MET W/MIKE YOUNT, MIKE LESAKOWSKI, TOM BEHRENDT, & JOE FRAWLEY. EXCAVATING ALONG THE MAIN ST. SIDE OF THE PROPERTY. TANKS THAT WERE FOUND HAVE NOT YET BEEN REMOVED. THEY WILL MOST LIKELY BE REMOVED LATER TODAY OR TOMORROW. THERE WAS ABANDONED PIPING ASSOCIATED WITH THESE TANKS THAT WAS FOUND AND BEING REMOVED. EXCAVATION AT THE SITE STARTED LAST TUESDAY, 9/27. SAC WAS NOT NOTIFIED. IT WAS ON THE SOUTHEAST PORTION OF THE SITE. EXCAVATION HAS BEEN PARTIALLY BACKFILLED. PER MR. LESAKOWKSI, SIMILAR CONDITIONS WITH WHAT WAS FOUND DURING THE EXCAVATION AT 105 MAIN ST. WITH CONTAMINATION FOUND AT AROUND 8 FT. WHERE THE EXCAVATION IS TAKING PLACE TODAY, CONTAMINATION IS OBSERVED AT A SLIGHLTY SHALLOWER DEPTH OF AROUND 6 FT. 10/5/11:SAC INSPECT SITE. MET W/TOM BEHRENDT AND JOE FRAWLEY. THE TWO ABANDONED USTs WERE UNCOVERED. THEY WERE FILLED W/CONCRETE AND THEY WERE IN THE PROCESS OF BREAKING UP THE CONCRETE. 10/6/11:SAC INSPECT SITE. MET W/TOM BEHRENDT. TANKS WERE REMOVED. STRONG ODORS AND PRODUCT WERE OBSERVED SIMILAR TO WHAT WAS OBSERVED PREVIOUSLY. 6/6/12:SAC TELECON MIKE YOUNT. MR. YOUNT IS NOW WORKING FOR BENCHMARK

STRIP MALL AND GULF STATION (Continued) **S108130870**

ENVIRONMENTAL BUT IS STILL THE LEAD ON THIS PROJECT. MR. YOUNT SAID THAT THE REMEDIATION REPORT IS ALMOST FINISHED AND THEY SHOULD BE SUBMITTING IT IN THE NEAR FUTURE. 8/9/12:RECEIVED SPILL CLOSURE REPORT FROM BENCHMARK. 8/22/12:SAC DISCUSS SPILL CLOSURE REPORT W/GPS. BASED ON RESULTS, GPS REQUEST GW SAMPLING OF EXISTING MONTIORING WELLS. SAC TELECON MIKE YOUNT REGARDING WELL SAMPLING. MR. YOUNT WILL VISIT SITE TO DETERMINE WHICH WELLS REMAIN AND THEN NOTIFY AND PROPOSE SAMPLING OF THE WELLS. 8/23/12:RECEIVED MESSAGE FROM MIKE YOUNT. THERE ARE 7 WELLS REMAINING ON-SITE AND THEY WILL SAMPLE THEM TOMORROW. 8/24/12:SAC INSPECT SITE. MET W/TOM BEHRENDT. MR. BEHRENDT SAID THEY ARE GOING TO SAMPLE THE FOLLOWING WELLS: MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, MW-14 (OR PZ-1 OR PZ-2 WHICH ARE IN THE AREA OF MW-14). MW-5, MW-10, MW-12, MW-13, PZ-3, PZ-4, AND PZ-5 WERE REMOVED SINCE THEY WERE IN THE EXCAVATED AREAS. MW-9 IS AWAY FROM THE EXCAVATED AREAS AND THE PARAMETERS WERE NEARLY NON-DETECT FROM AN EARLIER SAMPLING ANALYSIS. MW-11 WAS OFF-SITE AND COULD NOT BE LOCATED. THE AREA WHERE IT IS LOCATED, APPEARS TO HAVE BEEN FILLED IN AND THEREFORE, THIS WELL WAS MOST LIKELY COVERED. 10/31/12:RECEIVED AUGUST 2012 GROUNDWATER MONITORING REPORT. THE EPA METHOD 8260 CP-51 TABLE 2 ANALYTICAL RESULTS ARE AS FOLLOWS: MW-1 = ND MW-2 = 460.3 ppb MW-3 = 250.7 ppb MW-4 = 887.8 ppb MW-6 = 737 ppb MW-7 = 140.11 ppb MW-8 = 1.99 ppb MW-14 = ND 11/1/12:SAC SPOKE TO GPS ABOUT AUGUST 2012 GW MONITORING REPORT. GPS REQUEST AT LEAST ONE MORE ROUND OF SAMPLING. SAC TELECON MIKE YOUNT REQUESTING ANOTHER ROUND OF SAMPLING. MR. YOUNT WILL NOTIFY RPs REGARDING REQUEST AND WILL ARRANGE FOR THE SAMPLING. 3/19/13:RECEIVED JANUARY 2013 GW MONTIROING RESULTS. THE EPA METHOD 8260 CP-51 TABLE 2 RESULTS ARE AS FOLLOWS: MW-1 = ND MW-2 = 534 ppb MW-3 = 271.5 ppb MW-4 = 412.8 ppb MW-6 = 1150.53 ppb MW-7 = 40.8 ppb MW-8 = ND MW-14 = 3.3 ppb 3/21/13:SAC DISCUSS LATEST ROUND OF RESULTS W/GPS. OK TO MAKE SITE INACTIVE . DRAFTED I LETTER. 3/27/13: I LETTER TYPED AND SIGNED. NO FURTHER WORK IS REQUIRED. NO PAPER FILE."

Remarks: "DURING SOIL TESTING FOUND CONTAMINATED SOIL AND GROUNDWATER"

All Materials:

Site ID:	370189
Operable Unit ID:	1128010
Operable Unit:	01
Material ID:	2117618
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

I36 **AUTOZONE #2915** **RCRA-VSQG** **1016150314**
South **2 GOUNDRY ST** **FINDS** **NYR000201038**
< 1/8 **NORTH TONAWANDA, NY 14120** **ECHO**
0.124 mi. **NY MANIFEST**
653 ft. **Site 1 of 2 in cluster I**

Relative: **Higher**
Actual: **572 ft.**

RCRA-VSQG:

Date Form Received by Agency:		2013-06-12 00:00:00.0
Handler Name:	AUTOZONE #2915	
Handler Address:		2 GOUNDRY ST
Handler City,State,Zip:		NORTH TONAWANDA, NY 14120
EPA ID:		NYR000201038
Contact Name:		BRYAN E BLAIR
Contact Address:		123 S FRONT ST
Contact City,State,Zip:		MEMPHIS, TN 38103
Contact Telephone:		901-495-7217
Contact Fax:		901-495-8399
Contact Email:		BRYAN.BLAIR@AUTOZONE.COM
Contact Title:		ENVIRONMENTAL SPECIALIST
EPA Region:		02
Land Type:		Private
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 R9
Mailing Address:		123 S FRONT ST
Mailing City,State,Zip:		MEMPHIS, TN 38103
Owner Name:		AUTOZONE STORES NORTHEAST
Owner Type:		Private
Operator Name:		AUTOZONE STORES NORTHEAST
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

AUTOZONE #2915 (Continued) **1016150314**

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:	2015-06-30 15:06:25.0
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:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AUTOZONE STORES NORTHEAST
Legal Status:	Private
Date Became Current:	1997-08-15 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	123 S FRONT ST
Owner/Operator City,State,Zip:	MEMPHIS, TN 38103

AUTOZONE #2915 (Continued) **1016150314**

Owner/Operator Telephone: 901-495-6500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: AUTOZONE STORES NORTHEAST
Legal Status: Private
Date Became Current: 1997-08-15 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 123 S FRONT ST
Owner/Operator City,State,Zip: MEMPHIS, TN 38103
Owner/Operator Telephone: 901-495-6500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2013-06-12 00:00:00.0
Handler Name: AUTOZONE #2915
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

List of NAICS Codes and Descriptions:
NAICS Code: 44131
NAICS Description: AUTOMOTIVE PARTS AND ACCESSORIES STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055471207

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.

AUTOZONE #2915 (Continued) **1016150314**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016150314
Registry ID:	110055471207
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055471207
Name:	AUTOZONE #2915
Address:	2 GOUNDRY ST
City,State,Zip:	NORTH TONAWANDA, NY 14120

NY MANIFEST:

Name:	AUTOZONE #2915
Address:	2 GOUNDRY ST
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYR000201038
Facility Status:	Not reported
Location Address 1:	2 GOUNDRY ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000201038
Mailing Name:	AUTOZONE #2915
Mailing Contact:	AUTOZONE #2915
Mailing Address 1:	2 GOUNDRY ST
Mailing Address 2:	Not reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14120
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7167430506

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	PAD982661381
Trans2 State ID:	Not reported
Generator Ship Date:	12/22/2017
Trans1 Recv Date:	12/22/2017
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/26/2017
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000201038
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

AUTOZONE #2915 (Continued) **1016150314**

TSDF ID 1:	RID040098352
TSDF ID 2:	Not reported
Manifest Tracking Number:	010181310FLE
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:	2
Units:	P - Pounds
Number of Containers:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	Not reported
Waste Code 1_2:	D002
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

G37 **METZGER CONCRETE REMOVAL RIVER ROAD** **US BROWNFIELDS** **1016347419**
North **RIVER ROAD** **FINDS** **N/A**
< 1/8 **NORTH TONAWANDA, NY 14120**
0.124 mi.
655 ft. **Site 2 of 2 in cluster G**

Relative: US BROWNFIELDS:
Lower

Actual:
570 ft.

Name:	METZGER CONCRETE REMOVAL RIVER ROAD
Address:	RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	181.12-1-17, 181.12-1-18, 181.12-1-20
Parcel size:	2.75
Latitude:	43.02969
Longitude:	-78.87996
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	53381
IC Data Access:	-
Start Date:	-

METZGER CONCRETE REMOVAL RIVER ROAD (Continued) **1016347419**

Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	2450
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:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	5/1/2007
Ownership Entity:	Private
Completion Date:	-
Current Owner:	Metzger Removal
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
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:	Y
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:	-

METZGER CONCRETE REMOVAL RIVER ROAD (Continued) **1016347419**

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:	2.75
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:	Y
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:	Located along River Road, the property is a primary gateway into the North Tonawanda downtown. The current owners grind and store large concrete blocks and produce tons of concrete dust on this highly visible property. The company owns other property that is better suited for the current operations and is willing to work with the city

METZGER CONCRETE REMOVAL RIVER ROAD (Continued) **1016347419**

of North Tonawanda to prepare the property for redevelopment.

Below Poverty Number:	507
Below Poverty Percent:	17.78
Meidan Income:	4919
Meidan Income Number:	1226
Meidan Income Percent:	42.99
Vacant Housing Number:	150
Vacant Housing Percent:	9.43
Unemployed Number:	173
Unemployed Percent:	6.07

FINDS:
Registry ID: 110038721933

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.

J38 **THE R E KRUG CORP** **NY UST** **U003318824**
ENE **89 THOMPSON STREET** **N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.131 mi.
694 ft. **Site 1 of 3 in cluster J**

Relative:
Higher

Actual:
574 ft.

UST:

Name:	THE R E KRUG CORP
Address:	89 THOMPSON STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Id/Status:	9-600372 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	184217.68288
UTM Y:	4771293.10640
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	55222
Affiliation Type:	Facility Owner
Company Name:	RICHARD E. KRUG
Contact Type:	Not reported
Contact Name:	RICHARD KRUG
Address1:	2108 TIMUCUA TRAIL
Address2:	Not reported
City:	NOKOMIS
State:	FL
Zip Code:	34275
Country Code:	001
Phone:	(716) 692-2305
EMail:	Not reported
Fax Number:	Not reported
Modified By:	LDGOMEZ

THE R E KRUG CORP (Continued) **U003318824**

Date Last Modified: 2010-02-25

Site Id: 55222
Affiliation Type: Mail Contact
Company Name: Not reported
Contact Type: Not reported
Contact Name: RICHARD E. KRUG
Address1: 2108 TIMUCUA TRAIL
Address2: Not reported
City: NOKOMIS
State: FL
Zip Code: 34275
Country Code: 001
Phone: (941) 480-0476
EMail: DKRUG1@VERIZON.NET
Fax Number: Not reported
Modified By: LDGOMEZ
Date Last Modified: 2010-02-25

Site Id: 55222
Affiliation Type: Facility Operator
Company Name: THE R E KRUG CORP
Contact Type: Not reported
Contact Name: NA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (716) 692-2305
EMail: Not reported
Fax Number: Not reported
Modified By: LDGOMEZ
Date Last Modified: 2010-02-25

Site Id: 55222
Affiliation Type: Emergency Contact
Company Name: RICHARD E. KRUG
Contact Type: Not reported
Contact Name: TOM FLEMING
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (716) 692-2305
EMail: Not reported
Fax Number: Not reported
Modified By: LDGOMEZ
Date Last Modified: 2010-02-25

Tank Info:

Tank Number: 0001
Tank ID: 173004

THE R E KRUG CORP (Continued) **U003318824**

Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	6000
Install Date:	06/01/1981
Date Tank Closed:	05/27/2016
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	21
Date Test:	01/11/2010
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	AESKALSK
Last Modified:	04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
K01 - Spill Prevention - Catch Basin
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

J39 **TONDISCO INC** **RCRA NonGen / NLR** **1001124918**
NE **80 THOMPSON ST** **FINDS** **NYR000032748**
1/8-1/4 **NORTH TONAWANDA, NY 14120** **ECHO**
0.134 mi.
705 ft. **Site 2 of 3 in cluster J**

Relative:
Higher

Actual:
574 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2007-01-01 00:00:00.0
Handler Name:	TONDISCO INC	
Handler Address:		80 THOMPSON ST
Handler City,State,Zip:		NORTH TONAWANDA, NY 14120
EPA ID:		NYR000032748
Contact Name:		Not reported
Contact Address:		PO BOX 828
Contact City,State,Zip:		NORTH TONAWANDA, NY 14120
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 R9

TONDISCO INC (Continued) **1001124918**

Mailing Address:	PO BOX 828
Mailing City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner Name:	TONDISCO INC
Owner Type:	Private
Operator Name:	TONDISCO INC
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
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

TONDISCO INC (Continued) **1001124918**

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: 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: NONE
Waste Description: Not Defined

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: TONDISCO INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: THOMPSON ST PO BOX 828
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-692-7700
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TONDISCO INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: THOMPSON ST PO BOX 828
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-692-7700
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TONDISCO INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: THOMPSON ST PO BOX 828
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-692-7700

TONDISCO INC (Continued) **1001124918**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1996-12-17 00:00:00.0
Handler Name: TONDISCO 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: TONDISCO 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: 2007-01-01 00:00:00.0
Handler Name: TONDISCO 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: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1996-12-02 00:00:00.0
Handler Name: TONDISCO 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

TONDISCO INC (Continued) **1001124918**

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: 2001-06-04 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYNSL
Evaluation Responsible Sub-Organization: R9
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

TONDISCO INC (Continued) **1001124918**

FINDS:
Registry ID: 110004530552

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001124918
Registry ID:	110004530552
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004530552
Name:	TONDISCO INC
Address:	80 THOMPSON ST
City,State,Zip:	NORTH TONAWANDA, NY 14120

J40 **TONDISCO INC** **NY LTANKS U001327849**
NE **80 THOMPSON ST** **NY UST N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.134 mi.
705 ft. **Site 3 of 3 in cluster J**

Relative: **Higher**

Actual: **574 ft.**

LTANKS:

Name:	CORNELIUS INDUSTRIES INC
Address:	80 THOMPSON STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	0275414 / 2002-12-09
Facility ID:	0275414
Site ID:	146012
Spill Date:	2002-11-01
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	3212
Investigator:	SACALAND
Referred To:	NIAGARA CNTY HEALTH DEPT
Reported to Dept:	2002-11-14
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	2002-11-22
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2002-11-15
Spill Record Last Update:	2002-12-09
Spiller Name:	Not reported
Spiller Company:	CORNELIUS INDUSTRIES

TONDISCO INC (Continued) **U001327849**

Spiller Address: 80 THOMPSON STREET
Spiller County: 001
Spiller Contact: MR. KERRY CORNELIUS
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 9
DER Facility ID: 124355
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC-NCHD 11/20/02:SAC TELECON SCOTT OVERHOFF, THEY ARE GOING TO START WORK TOMORROW, AREA WAS THE SITE WHERE A 5,000 GALLON DIESEL TANK WAS LOCATED, RESULTS FROM LAB ANALYSIS HAVE NOT COME BACK YET BUT OWNER WANTS CLEANUP WORK TO BEGIN ASAP, MR. OVERHOFF ANTICIPATES WORK WILL BE COMPLETED BY 10:30/11:00 am TOMORROW, HE WILL BE TAKING BOTTOM SAMPLES AND FOUR SEPARATE SIDE SAMPLES. 11/20/02:SAC TELECON PAUL DICKY - NCHD NOTIFYING HIM OF THE WORK AND THE NEED TO INSPECT TOMORROW AT 10:30, MR. DICKY WILL FOLLOW UP, FAXED COPY OF REPORT TO HIM. 11/21/02:SAC TELECON SCOTT OVERHOFF - THEY ARE IN THE PROCESS OF EXCAVATING THE AREA OUT BUT WATER IS RUNNING INTO THE EXCAVATION, THEY ARE ARRANGING TO HAVE A VACUUM TRUCK COME TO THE SITE AND REMOVE THE WATER, MR. OVERHOFF SAID THE WATER DOES HAVE A SHEEN BUT IT PROBABLY IS FROM IT CONTACTING THE CONTAMINATED SOIL THAT REMAINS IN THE EXCAVATION. 11/25/02:SAC TELECON PAUL DICKY, MR. DICKY INSPECTED SITE AND WAS SATISFIED WITH THE CLEANUP THAT WAS DONE, WILL WAIT FOR SAMPLE RESULTS. 11/26/02:RECEIVED NCHD INSPECTION REPORT FROM PAUL DICKY. 11/27/02:RECEIVED SITE INVESTIGATION SUMMARY REPORT FROM HAZARD EVALUATIONS, SAMPLES TAKEN FROM BOTTOM AND ALL 4 SIDES OF EXCAVATION, ALL SAMPLES WERE ANALYZED INDIVIDUALLY, ALL FIVE ANALYTICAL RESULTS WERE NON DETECT FOR 8021 & 8270, GROUNDWATER ANALYTICAL RESULTS WERE ALSO NON DETECT, CONTAMINATED LAYER BEGAN AT 6 TO 7 FT, GRAVEL LAYER FOUND AT 8 FT., EXCAVATION CONTINUED DOWN TO 10 TO 12 FT., FIELD SCREENING OF WALLS AT GRAVEL LAYER AT 8 FT TOOK PLACE WHERE HIGHEST READING RECORDED WAS 6.9 ppm, BOTTOM SAMPLES WERE FROM THE CLAY LAYER 10 TO 12 FT WHERE HIGHEST READING WAS 14.8 ppm, APPROXIMATE EXCAVATION DIMENSIONS WERE 25'x 15'x 10', 165 TONS OF SOIL AND 3,700 GALLONS OF WATER WAS DISPOSED, THERE WAS NO MENTION OF ODORS BEING OBSERVED IN THE EXCAVATION, NO DISPOSAL RECEIPTS WERE INCLUDED IN REPORT. 12/6/02:RECEIVED DISPOSAL RECEIPTS FOR 165 TONS OF CONTAMINATED SOIL. 12/9/02:RECEIVED DISPOSAL RECEIPT FOR THE CONTAMINATED WATER, NO FURTHER WORK REQUIRED, DRAFTED CLOSURE LETTER, GAVE FILE TO JAA FOR REVIEW."
Remarks: "DURING PHASE II INVESTIGATION, SOIL BORING SAMPLES HAD HIGH PID LEVELS NEAR WHERE UST WAS REMOVED IN '86. SAMPLE ANALYTICAL RESULTS TO BE BACK IN 5-6 DAYS. ENV. AUDITS, INC. TO REMEDIATE SITE. ANOTHER ENVIRONMENTAL AUDITS CONTACT IS SCOTT OVERHOFF."

All Materials:
Site ID: 146012
Operable Unit ID: 868104
Operable Unit: 01
Material ID: 507777
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

TONDISCO INC (Continued) **U001327849**

Name:	TONDISCO
Address:	80 THOMPSON STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8709613 / 1988-02-25
Facility ID:	8709613
Site ID:	146013
Spill Date:	1988-02-10
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	1988-02-25
SWIS:	3212
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1988-02-10
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:	1988-02-19
Spill Record Last Update:	1988-07-13
Spiller Name:	Not reported
Spiller Company:	TONDISCO
Spiller Address:	80 THOMPSON STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	124355
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 02/10/88: JDC TELECON 02/10/88, TANK TO BE ISOLATED AND RETESTED. 02/22/88: JDC TELECON 02/22/88, TANK RETESTED TIGHT, HOLD FOR RESULTS. 02/25/88: JDC RECEIVED TEST TANK RETEST RESULTS, TANK TIGHT, NO FURTHER ACTION REQUIRED. 02/26/88: JDC RECEIVED RETEST PAPERWORK FROM ELMWOOD SHOWING TANK TO BE SOUND. NO FURTHER ACTION REQUIRED AT THIS TIME. "
Remarks:	"2000 GALLON TANK, FAILURE RATE 1.138 GPH"

All TTF:

Facility ID:	8709613
Spill Number:	8709613
Spill Tank Test:	1533227
Site ID:	146013
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

TONDISCO INC (Continued) **U001327849**

Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 146013
Operable Unit ID: 915041
Operable Unit: 01
Material ID: 461410
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

UST:
Name: TONDISCO INC
Address: 80 THOMPSON ST
City,State,Zip: NORTH TONAWANDA, NY 14120
Id/Status: 9-223050 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 9
Expiration Date: N/A
UTM X: 184131.20267
UTM Y: 4771319.95110
Site Type: Trucking/Transportation/Fleet Operation

Affiliation Records:
Site Id: 53126
Affiliation Type: Facility Owner
Company Name: TONDISCO INC
Contact Type: Not reported
Contact Name: Not reported
Address1: 80 THOMPSON ST
Address2: Not reported
City: NORTH TONAWANDA
State: NY
Zip Code: 14120
Country Code: 001
Phone: (716) 692-7700
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 53126
Affiliation Type: Mail Contact
Company Name: TONDISCO INC
Contact Type: Not reported
Contact Name: EDWARD K. ZUCHOWSKI
Address1: 80 THOMPSON ST
Address2: P.O.BOX 828

TONDISCO INC (Continued) **U001327849**

City: NORTH TONAWANDA
State: NY
Zip Code: 14120
Country Code: 001
Phone: (716) 692-7700
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 53126
Affiliation Type: Facility Operator
Company Name: TONDISCO INC
Contact Type: Not reported
Contact Name: TONDISCO INC
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (716) 692-7700
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 53126
Affiliation Type: Emergency Contact
Company Name: TONDISCO INC
Contact Type: Not reported
Contact Name: EDWARD K ZUCHOWSKI
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (716) 693-3611
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Tank Info:

Tank Number: 1
Tank ID: 164463
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 5000
Install Date: 06/01/1968
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008

TONDISCO INC (Continued) **U001327849**

Common Name of Substance: Diesel

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
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 2
Tank ID: 164464
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 1000
Install Date: 06/01/1974
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

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:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
D00 - Pipe Type - No Piping
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None

Tank Number: 4
Tank ID: 164465
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 10000

TONDISCO INC (Continued) **U001327849**

Install Date: 06/01/1979
Date Tank Closed: 07/01/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 03
Date Test: 08/01/1997
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I00 - Overfill - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None

Tank Number: 5
Tank ID: 164466
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1000
Install Date: 06/01/1981
Date Tank Closed: 07/01/1998
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 03
Date Test: 08/01/1997
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

B04 - Tank External Protection - Fiberglass
H00 - Tank Leak Detection - None
I00 - Overfill - None
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F00 - Pipe External Protection - None
D00 - Pipe Type - No Piping
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

K41 **CALAMAR CONSTRUCTION MGMT INC** **RCRA-VSQG** **1006810592**
East **190 OLIVER ST SUITE 100** **NY LTANKS** **NYR000114033**
1/8-1/4 **NORTH TONAWANDA, NY 14120** **NY Spills**
0.135 mi. **FINDS**
714 ft. **Site 1 of 4 in cluster K** **ECHO**
NY MANIFEST

Relative:
Higher

Actual:
574 ft.

RCRA-VSQG:

Date Form Received by Agency:	2010-06-21 00:00:00.0
Handler Name:	CALAMAR CONSTRUCTION MGMT INC
Handler Address:	190 OLIVER ST SUITE 100
Handler City,State,Zip:	NORTH TONAWANDA, NY 14120
EPA ID:	NYR000114033
Contact Name:	WILLIAM KELLER
Contact Address:	COMMERCE CT SUITE 800
Contact City,State,Zip:	WHEATFIELD, NY 14120-2094
Contact Telephone:	716-693-0006
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
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 R9
Mailing Address:	COMMERCE CT SUITE 800
Mailing City,State,Zip:	WHEATFIELD, NY 14120-2094
Owner Name:	THE RE KRUG CORP
Owner Type:	Private
Operator Name:	CALAMAR CONSTRUCTION MGMT INC
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

CALAMAR CONSTRUCTION MGMT INC (Continued) **1006810592**

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:	THE RE KRUG CORP
Legal Status:	Private
Date Became Current:	2003-03-06 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	190 OLIVER ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner/Operator Telephone:	716-692-2305
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE RE KRUG CORP
Legal Status:	Private
Date Became Current:	2003-03-06 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	190 OLIVER ST

CALAMAR CONSTRUCTION MGMT INC (Continued) **1006810592**

Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-692-2305
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CALAMAR CONSTRUCTION MGMT INC
Legal Status: Private
Date Became Current: 2003-03-06 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 190 OLIVER ST SUITE 100
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-693-0006
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CALAMAR CONSTRUCTION MGMT INC
Legal Status: Private
Date Became Current: 2003-03-06 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 190 OLIVER ST SUITE 100
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-693-0006
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: THE RE KRUG CORP
Legal Status: Private
Date Became Current: 2003-03-06 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 190 OLIVER ST
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-692-2305
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CALAMAR CONSTRUCTION MGMT INC
Legal Status: Private
Date Became Current: 2003-03-06 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 190 OLIVER ST SUITE 100
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-693-0006
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2006-01-01 00:00:00.0
Handler Name: CALAMAR CONSTRUCTION MGMT INC

CALAMAR CONSTRUCTION MGMT INC (Continued) **1006810592**

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: CALAMAR CONSTRUCTION MGMT 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: 2010-06-21 00:00:00.0
Handler Name: CALAMAR CONSTRUCTION MGMT 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: 2003-03-06 00:00:00.0
Handler Name: CALAMAR CONSTRUCTION MGMT 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: 23332
NAICS Description: COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION

Facility Has Received Notices of Violation:
Found Violation: No

CALAMAR CONSTRUCTION MGMT INC (Continued) **1006810592**

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:	2010-06-02 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYKHE
Evaluation Responsible Sub-Organization:	R9
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:	KRUGS GLAZING SERVICE
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY

CALAMAR CONSTRUCTION MGMT INC (Continued) **1006810592**

Spill Number/Closed Date:	0275365 / 2003-01-21
Facility ID:	0275365
Site ID:	318135
Spill Date:	2002-10-16
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	E5
Cleanup Ceased:	Not reported
SWIS:	3212
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2002-10-16
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:	2002-10-16
Spill Record Last Update:	2003-04-02
Spiller Name:	DAN SAUNDERS
Spiller Company:	KRUGS GLAZING SERVICE INC
Spiller Address:	190 OLIVER ST.
Spiller County:	001
Spiller Contact:	DAN SAUNDERS
Spiller Phone:	(716) 692-2305
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	262558
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 10/21/02:SENT RE-TEST/REMOVAL OPTION LETTER. 12/12/02:THERE HAS BEEN NO NOTIFICATION IF TANK IS TO BE REMOVED OR RE-TESTED, DRAFTED NO RESPONSE LETTER, RESPONSE REQUESTED BY 12/31/02. 12/16/02:SAC TELECON DAN SAUNDERS - KRUGS GLAZING SERVICE, HE SPOKE TO TESTING SERVICE AND THEY TOLD HIM THERE COULD BE A PROBLEM WITH THE PUMP AND DISPENSER WHICH MAY BE CAUSING THE FAILURE, HE WILL BE REMOVING THE PUMP ON 12/18 AND CAPPING THE PIPING IN ORDER TO ISOLATE THE SYSTEM, HE WILL THEN CONTACT THE TESTING COMPANY TO SCHEDULE THE RE-TEST IN THE NEXT COUPLE OF WEEKS, IF THE RE-TEST FAILS THEN THEY WILL SCHEDULE THE REMOVAL OF THE TANK. 12/24/02:SAC TELECON DAN SAUNDERS, MR. SAUNDERS SAID HE REMOVED THE PUMP AND HAS ARRANGED FOR THE TANK TESTING ON 12/27/02. 12/27/02:SAC TELECON DAN SAUNDERS, MR. SAUNDERS SAID THAT PRIME TIME SERVICES RE-TESTED THE TANK THIS MORNING AND IT PASSED THE TEST, PRIME TIME SERVICES WILL BE SENDING THE TEST RESULTS DIRECTLY TO DEC, ONCE RESULTS ARE RECEIVED SPILL WILL BE CLOSED. 1/8/03:SAC RECEIVED PHONE MESSAGE FROM DAN SAUNDERS, MR. SAUNDERS SAID THAT PRIMETIME SERVICES WILL BE SENDING OUT THE RE-TEST REPORT THIS WEEK AND SAC SHOULD HAVE IT BY THE END OF THE WEEK WHICH IS 1/10/03. 1/21/03:PBS RECEIVED PASSING TANK TIGHTNESS TEST RESULTS, COPY MADE FOR SPILL FILE, NO FURTHER WORK IS REQUIRED."
Remarks:	"SUSPECT PIPING ABOVE THE TANK. WAITING TO HERE BACK FROM CLIENT ON WHETHER THEY WILL REPAIR AND RETEST. LEAVING THE SITE NOW. TEST METHOD IS HORNER EZY 3 LOCATOR PLUS. WHEN ASKED TO PROVIDE LEAK RATE, INDICATED METHOD WAS ONLY PASS OR FAIL. "

CALAMAR CONSTRUCTION MGMT INC (Continued) **1006810592**

All TTF:

Facility ID:	0275365
Spill Number:	0275365
Spill Tank Test:	1528213
Site ID:	318135
Tank Number:	001
Tank Size:	6000
Material:	0008
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	318135
Operable Unit ID:	865744
Operable Unit:	01
Material ID:	507724
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	GENESIS INDUSTRIAL TRUCK
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8910176 / 1990-02-05
Facility ID:	8910176
Facility Type:	ER
DER Facility ID:	262558
Site ID:	325935
DEC Region:	9
Spill Cause:	Housekeeping
Spill Class:	Not reported
SWIS:	3212
Spill Date:	1990-01-11
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1990-01-11
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	1990-02-05

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Cleanup Meets Std:	True
Last Inspection:	1990-02-05
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1990-02-02
Spill Record Last Update:	1990-03-01
Spiller Name:	Not reported
Spiller Company:	GENESIS INDUST TRUCK CO
Spiller Address:	190 OLIVER STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 01/17/90: SPILLER WAS REQUESTED TO CLEANUP SPILL AREA AND MAKE PROVISIONS TO REMOVE SPILL POTENTIAL. 02/02/90: RECD DISPOSAL AND CLEANUP DOCUEMENTATION, WILL INSPECT SITE. 02/05/90: INSPECTED SITE AND FOUND CLEANUP SATISFACTORY. NO FURTHER ACTION WILL BE REQUIRED. REFERRED TANK SITUATION OVER TO JIM STACK, PBS PROGRAM FOR FOLLOW UP. "
Remarks:	"SLOPPY HOUSEKEEP CAUSING WASTE OILS TO ENTER SEWERS"

All Materials:

Site ID:	325935
Operable Unit ID:	935258
Operable Unit:	01
Material ID:	443294
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	5.00
Oxygenate:	Not reported

Name:	VSA INC. TRUCK
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8910777 / 1990-03-07
Facility ID:	8910777
Facility Type:	ER
DER Facility ID:	262558
Site ID:	325936
DEC Region:	9
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	3212
Spill Date:	1990-02-12
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1990-02-12
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	1990-03-07
Cleanup Meets Std:	True

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Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1990-02-22
Spill Record Last Update:	1990-03-14
Spiller Name:	Not reported
Spiller Company:	VENDORS SUPPLY
Spiller Address:	9300 DUTTON DRIVE
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 02/12/90: RNL CONTACTED M VAUGH, NCHD TO INVESTIGATE. 03/07/90: REVIEWED FILE, NO FURTHER ACTION WILL BE REQUIRED OF THIS UNIT. "
Remarks:	"FUEL LINE RUPTURED. REPAIRS MADE BY LAUGHLINS TOW SERVICE."

All Materials:

Site ID:	325936
Operable Unit ID:	936288
Operable Unit:	01
Material ID:	440336
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	G
Recovered:	10.00
Oxygenate:	Not reported

Name:	DOLLAR BILL'S TOWING
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9302438 / 1994-01-26
Facility ID:	9302438
Facility Type:	ER
DER Facility ID:	262558
Site ID:	325937
DEC Region:	9
Spill Cause:	Vandalism
Spill Class:	C3
SWIS:	3212
Spill Date:	1993-05-20
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	1993-05-21
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	1994-01-26
Cleanup Meets Std:	True
Last Inspection:	1993-05-21
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1993-05-24

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Spill Record Last Update:	1994-01-31
Spiller Name:	Not reported
Spiller Company:	DOLLAR BILL'S TOWING
Spiller Address:	190 OLIVER STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 05/21/93: SAC/BOB BUZZELLI, NCHD/TELECON - HE WILL FOLLOW UP. 01/14/94: 1/7/94 NCHD MEETING,NCHD WILL SEND REPORT. 01/26/94: RECEIVED INCIDENT REPORT FROM NCHD. 09/29/95: This is additional information about material spilled from the translation of the old spill file: MINERAL SPIRITS."
Remarks:	"TOWING SERVICE BROKEN INTO"
Name:	R.E. KRUG AND TREAD CITY TIRE SITE
Address:	190 OLIVER ST
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	1201437 / Not Reported
Facility ID:	1201437
Facility Type:	ER
DER Facility ID:	418545
Site ID:	464144
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	B1
SWIS:	3212
Spill Date:	2012-05-14
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2012-05-14
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:	2012-05-14
Spill Record Last Update:	2019-05-15
Spiller Name:	RICHARD AND LORRAINE KRUG
Spiller Company:	RICHARD AND LORRAINE KRUG
Spiller Address:	190 OLIVER ST
Spiller Company:	999
Contact Name:	JOE MECCA
DEC Memo:	"5/15/12:SAC CALLED JOE MECCA - RJS ENVIRO. LEFT MESSAGE FOR A CALLBACK. 5/16/12:SAC TELECON JOE MECCA. MR. MECCA SAID THEY COMPLETED THE PHASE II WORK YESTERDAY. THERE WERE BORINGS THAT HAD DEFLECTIONS ON PID METER AND ODORS. MR. MECCA SAID HE BELIEVES THEY ARE WORKING FOR THE BANK OF THE PROSPECTIVE PURCHASER. HE ANTICIPATES SUBMITTING THE REPORT TO DEC IN A FEW WEEKS. 6/11/12:RECEIVED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT DATED 5/31/12 FROM RJS ENVIRONMENTAL. 6/15/12:SAC TELECON PAUL DICKY - NCHD REGARDING PROPERTY OWNERSHIP. ACCORDING TO RECORDS, PROPERTY IS OWNED BY RICHARD AND LORRAINE KRUG. 6/18/12:DRAFTED COMMENT LETTER BASED ON

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PHASE II SITE ASSESSMENT. REQUESTED WORK PLAN BY 7/31/12. 6/20/12:SAC TELECON TRACY MONTELEONE - R.E. KRUG, INC. 692-2305 EXT. 295. MS. MONTELEONE SAID THAT THE BUSINESS OWNERSHIP IS NOW W/ERIK CHRETIEN BUT THAT THE PROPERTY IS STILL OWNED BY MR. & MRS. KRUG. THE REASON FOR THE PHASE I AND PHASE II WORK IS BECAUSE MR. CHRETIEN IS LOOKING TO PURCHASE THE PROPERTY AND THE BUILDINGS. THEY HAVE NOT RECEIVED A COPY OF THE PHASE II REPORT. SAC SENT ONE TO HER. MS. MONTELEONE SAID SHE WILL BEGIN TO SEARCH FOR CONTRACTORS TO DO THE WORK. 7/19/12:SAC TELECON TRACY MONTELEONE. MS. MONTELEONE SAID SHE HAS THE BIDS FOR THE WORK. HOWEVER, THE OWNER OF THE BUILDING IS NEGOTIATING WITH THE BANK AND SHE DOES NOT BELIEVE THE WORK PLAN WILL BE SUBMITTED BY THE 31ST OF THIS MONTH. SHE DOES NOT HAVE AN INDICATION WHEN IT MIGHT BE SUBMITTED. 8/8/12:NO WORK PLAN OR RESPONSE RECEIVED FROM PROPERTY OWNERS. SENT LETTER REQUESTING RESPONSE BY 9/28/12. 10/23/12:NO WORK PLAN OR RESPONSE FROM PROPERTY OWNER. SENT LETTER REQUESTING RESPONSE BY 11/30/12 OR WILL REFER TO NYSDEC OFFICE OF GENERAL COUNSEL. 10/31/12:RECEIVED RETURNED LETTER SENT TO 190 OLIVER ST. SAME LETTER WAS SENT TO FLORIDA ADDRESS. SAC TELECON TRACY MONTELEONE. MS. MONTELEONE SAID SHE GIVES ALL MAIL RECEIVED FOR KRUGS TO THEIR DAUGHTER WHO LIVES IN THE AREA. THE DAUGHTER IS WHO RETURNED THE LETTER. 12/5/12:GPS, SAC MET W/MICHAEL ZIMMERMAN - LUMBER CITY DEVELOPMENT CORP, ERIK CHRETIEN AND TRACY MONTELEONE. DISCUSSED OPTIONS REGARDING THE CLEAN UP. 12/6/12:SAC MET W/TERESA MUCHA - NYSDEC OFFICE OF GENERAL COUNSEL. NO RESPONSE HAS BEEN RECEIVED FROM RP. MS. MUCHA WILL SEND THE NEXT LETTER. 12/21/12:TERESA MUCHA SENT LETTER TO MR. AND MRS. KRUG REQUESTING FOR A WORK PLAN OR SIGN THE RIGHT OF ENTRY. 1/11/13:RECEIVED SIGNED RIGHT OF ENTRY FORM FROM MR. KRUG. 3/5/13:SAC TELECON DAVE STEINER - EMPIRE GEOSERVICES. DISCUSSED PROJECT. MR. STEINER WILL SEND IN WORK PLAN. 3/19/13:RECEIVED EMPIRE GEOSERVICES WORK PLAN. 4/18/13:SAC INSPECT SITE. DAVE AND RANDY STEINER ON-SITE. EXCAVATION IN FORMER GASOLINE UST AREA STARTED. PER MR. STEINER, EXCAVATION DOWN 11 FT. HOWEVER, GW INFILTRATED EXCAVATION. SHEEN OBSERVED. ADDITIONAL EXCAVATION DEEPER IS DIFFICULT DUE TO PROXIMITY OF BUILDING. THEY WILL CONTINUE TO EXCAVATE TO THIS DEPTH AROUND THE BUILDING AREAS AND THEN BACKFILL. CONFIRMATORY SAMPLES WILL BE TAKEN. 4/19/13:SAC INSPECT SITE. MET W/DAVE STEINER. EXCAVATION IS AROUND THE TRAILER AND HEADING WEST. MR. STEINER BELIEVES THEY STILL WILL EXCAVATE TO THE WEST BASED ON ODORS AND PID METER READINGS. 4/22/13:GPS, SAC INSPECT SITE. MET W/STEVE BOCHENEK - EMPIRE GEOSERVICES. THEY ARE NEARING THE END OF THE EXCAVATION IN THE WEST DIRECTION NEAR THE TRAILER. STEVE WILL FIELD SCREEN THE SOIL ON THE SOUTH WALL. 4/24/13:SAC INSPECT SITE. MET W/STEVE BOCHENEK. EXCAVATION IS CONTINUING TOWARD THE EAST INTO THE DRIVEWAY. THEY WERE BACKFILLING THIS AREA TO ALLOW ACCESS AND BECAUSE OF OVERHEAD POWERLINES, THE EXCAVATOR MAY BE TO LARGE TO PROCEED SAFELY. ALTHOUGH BACKFILLING, PETROLEUM ODORS WERE APPARENT WHILE STANDING NEXT TO THE EXCAVATION. MR. BOCHENEK SAID HE WAS STILL READING 200 ppm ON THE PID METER WHEN SCREENING THE SIDE WALL SAMPLES. SO ADDITIONAL EXCAVATION WILL OCCUR IN THIS AREA. 4/29/2013: GPS INSPECTED SITE PER SAC REQUEST. MET W/ STEVE BOCHENEK. PERFORMING TEST PITS ALONG SOUTHERN PLANT PROPERTY TO DETERMINE EXTENT IN THAT DIRECTION. DISCUSSED WAY TO PROCEED AND IF ADDITIONAL EXCAVATION WARRANTED. NOT SEEING ANY SPECIFIC PRODUCT, LOW PIDS, APPEARS RESIDUAL CONTAMINATION LIMITED TO GRAVEL LAYER BELOW CLAY WHICH EXTENDS UNDER STRUCTURES AND CANNOT NOT BE ACCESSED WITH CONVENTIONAL EXCAVATION MEANS. TOLD STEVE TO DISCONTINUE EXCAVATION. WILL DISCUSS WITH SAC ON HOW TO PROCEED. 5/1/13:SAC INSPECT SITE. MET W/STEVE BOCHENEK. THEY ARE FINISHING OFF

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BACKFILLING EXCAVATED AREAS WITH CRUSHED STONE. WORK IS NEARLY COMPLETED. 9/13/13:RECEIVED REMEDIAL ACTION SUMMARY REPORT. 10/18/13:RECEIVED WORK PLAN FOR ADDITIONAL SUBSURFACE INVESTIGATION. 3/20/2014: RJJ/EMPIRE-GEO AT SITE AT 0830...TODAY,EMPIRE-GEO WILL GEO-PROBE AND OBTAIN SOIL SAMPLES, ON THE PROPERTY, TO TRY TO FIND THE EXTENT OF THIS PETROLEUM CONTAMINATION...THEN TOMORROW,THEY WILL INSTALL 3-GROUNDWATER MONITORING WELLS,AS PER THEIR DISCUSSED WORKPLAN. 3/21/2014: RJJ/EMPIRE GEO AT SITE AT 0800...YESTERDAY,EMPIRE-GEO DRILLED 8 GEO-PROBES ON SITE AND INSTALLED 2-GROUNDAWTER MONITORINGS...TODAY,THEY WILL INSTALL 1,MAYBE 2 ADDITIONAL WELLS AND CONTINUE GEO-PROBING,THEN THEY WILL OBTAIN THEIR SUBSURFACE SOIL SAMPLES FROM THESE SOIL BORINGS...(BASED ON THEIR FIELD SCREENING OF THE BORING SAMPLES,THEY THINK THEY HAVE FOUND THE EAST & WESTERN EXTENT OF THE CONTAMINATION.) 7/23/14:RECEIVED SUBSURFACE INVESTIGATION REPORT. 7/30/14:SAC TELECON DAVE STEINER. AGREED TO HAVE MONITORING WELLS SAMPLED AND THE GROUNDWATER SAMPLES ANALYZED TO CHECK SUMMER SEASON LEVELS. 10/8/14:RECEIVED JULY GW SAMPLING EVENT REPORT. 1/23/15:REVIEWED SUBSURFACE INVESTIGATION REPORT W/GPS. ADDITIONAL INVESTIGATION WORK TO BE DONE ON NEIGHBORING PROPERTY TO THE SOUTH. SENT PRP LETTER REQUESTING ADDITIONAL INVESTIGATION WORK OR SITE ACCESS TO PROPERTY OWNER AT 170 AND 156 OLIVER STREET. RESPONSE BY 2/28/15. 2/13/15:SAC TELECON JOSH QUANT - GLR. DISCUSSED PRP LETTER. MR. QUANT WILL FORWARD LETTER TO THE COMPANY PROPERTY OWNERS. HE SAID ADDRESS FOR NORTH TONAWANDA, LLC WHICH IS THE ENTITY THAT OWNS THE PROPERTY IS 30835 GROESBECK HIGHWAY, ROSEVILLE, MICHIGAN 48066. 2/24/15:RECEIVED SIGNED RIGHT OF ENTRY FROM GLR. 6/8/15:RECEIVED WORK PLAN FOR ADDITIONAL SUBSURFACE INVESTIGATION FROM EMPIRE GEOSERVICES. 6/18/15:RECEIVED MESSAGE FROM DAVE STEINER. ADDITIONAL SUBSURFACE INVESTIGATION WORK SCHEDULED FOR NEXT WEEK, 22ND AND 23RD. 6/23/15:SAC INSPECT SITE. MET W/DAVE STEINER AND STEVE BOCHENECK. THEY WERE ABLE TO INSTALL 13 GEOPROBES AND ARE IN THE PROCESS OF CONVERTING 3 INTO MONITORING WELLS. ONE WELL WILL BE AT A LOCATION WHERE CONTAMINATION WAS FOUND AND THE OTHER 2 LOCATIONS ARE OUTSIDE THE EXTENT. WORK SHOULD BE COMPLETED TODAY. 7/6/15:RECEIVED ANALYTICAL REPORT FOR THE SUBSURFACE INVESTIGATION SOIL SAMPLES. 7/10/15:RECEIVED MESSAGE FROM DAVE STEINER THAT THEY SAMPLED THE 5 EXISTING WELLS AND THE 3 NEW WELLS THAT WERE INSTALLED. THEY ALSO SURVEYED AND TOOK THE TOP OF RISER ELEVATONS FOR THE 3 NEW WELLS. 7/27/15:RECEIVED ANALYTICAL REPORT FOR THE ROUND OF MONITORING WELL SAMPLING. 9/18/15:SAC TELECON DAVE STEINER. HE WILL SEND IN REPORTS NEXT WEEK. 10/30/15:RECEIVED SUBSURFACE INVESTIGATION REPORT. 11/5/15:DISCUSSED REPORTS W/GPS. BASED ON SOIL LEVELS IN THE REPORTS, GPS REQUESTS CONTACTING EMPIRE GEOSERVICES FOR SUBSURFACE TREATMENT PROPOSALS. 11/10/15:SAC TELECON DAVE STEINER. DISCUSSED PROPOSAL FOR SUBSURFACE TREATMENT PROGRAM. MR. STEINER WILL REVIEW AND COME UP WITH RECOMMENDATIONS IN THE NEXT FEW WEEKS. 1/5/16:SAC TELECON DAVE STEINER. MR. STEINER SAID THAT HE IS STILL WAITING TO HEAR FROM REGENESIS. HE WILL CONTACT THEM FOR AN UPDATE. 2/16/16:SAC TELECON DAVE STEINER. MR. STEINER SAID HE SPOKE TO REGENESIS AND THEY TOLD HIM THEY WOULD GET HIM A PROPOSAL BY 2/5/16. HOWEVER, HE DID NOT HEAR FROM THEM. HE WILL FOLLOW UP WITH A CALL TO THEM. 2/22/16:RECEIVED PROPOSAL AND ESTIMATE FROM REGENSIS THROUGH DAVE STEINER. 3/31/16:SAC TELECON DAVE STEINER REQUESTING WORK PLAN FOR SUBSURFACE TREATMENT APPLICATION. 4/29/16:RECEIVED WORK PLAN FOR SUBSURFACE TREATMENT. 5/2/16:SAC TELECON DAVE STEINER. DISCUSSED SUBSURFACE TREATMENT WORK PLAN. BASED ON THE RESULTS OF THE SUBSURFACE INVESTIGATION, AREA TO

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BE TREATED SHOULD BE LARGER THAN WHAT WAS PROPOSED. MR. STEINER WILL GO TO THE SITE TO TAKE MEASUREMENTS. ONCE HE COMPLETES THIS TASK HE WILL SEND IN AMENDED WORK PLAN. 5/10/16:RECEIVED REVISED WORK PLAN FOR IN-PLACE TREATMENT. 5/11/16:SAC TELECON DAVE STEINER REGARDING REVISED WORK PLAN. SAC TOLD MR. STEINER THERE WAS NO OBJECTION TO THE WORK PLAN. MR. STEINER WILL ORDER THE MATERIAL SO THE WORK PLAN CAN BE IMPLEMENTED. 6/3/16:SAC TELECON DAVE STEINER REGARDING SITE STATUS. MR. STEINER SAID HE IS WAITING FOR THE REVISED QUOTE FROM REGENESIS SINCE WORK PLAN WAS AMENDED. MR. STEINER SAID THAT HIS MATERIAL ORDER WILL BE BASED ON THE QUOTE. THEREFORE, UNTIL HE RECEIVES IT, HE CANNOT ORDER THE MATERIAL. HE WILL CALL REGENESIS TO ASK ABOUT THE STATUS OF THE REVISED QUOTE. 6/22/16:RECEIVED COPY OF MESSAGE FROM DAVE STEINER TO TRACY MONTELEONE. MR. STEINER SAID MATERIAL FOR THE SUBSURFACE TREATMENT IS SCHEDULED TO ARRIVE EITHER FRIDAY, 6/24 OR MONDAY, 6/27. THEREFORE, WORK COULD BEGIN ON 6/27 OR 6/28. MR. STEINER INQUIRED IF THIS SCHEDULE WAS ACCEPTABLE. 6/28/16:SAC TELECON DAVE STEINER. MR. STEINER SAID THEY WERE ON-SITE YESTERDAY TO BEGIN THE SUBSURFACE TREATMENT. SAC INSPECT SITE. MET W/RANDY STEINER AND ART KLOSKE - EMPIRE GEOSERVICES. MR. KLOSKE SAID THEY HAVE 27 POINTS TO INJECT. THEY COMPLETED EIGHT INJECTION POINTS, YESTERDAY. 6/29/16:SAC INSPECT SITE. MET W/RANDY STEINER AND ART KLOSKE. MR. KLOSKE AND MR. STEINER SAID THEY COMPLETED EIGHT POINTS EACH DAY FOR 2 DAYS. TODAY, THEY WERE IN THE PROCESS OF INJECTING INTO THE 7TH POINT AND SHOULD COMPLETE ONE MORE TODAY. THAT WILL 3 POINTS TO BE COMPLETED TOMORROW. 6/30/16:SAC INSPECT SITE. MET W/RANDY STEINER AND ART KLOSKE. THEY WERE INJECTING INTO THE NEXT TO LAST POINT. THEY WILL FINISH LAST POINT AT ABOUT NOON TIME, TODAY. 9/6/16:RECEIVED MESSAGE FROM DAVE STEINER. NEXT SUBSURFACE TREATMENT INJECTIONS ARE TENTATIVELY SCHEDULED FOR NEXT WEEK. 9/14/16:SAC INSPECT SITE. MET W/ART KLOSKE AND RANDY STEINER. MR. KLOSKE SAID WORK BEGAN YESTERDAY AND THEY HAVE COMPLETED THE INJECTIONS IN 16 POINTS. THEY ARE INJECTING IN ABOUT THE SAME LOCATIONS AS THE PREVIOUS POINTS. 9/15/16:SAC INSPECT SITE. MET WITH ART KLOSKE AND RANDY STEINER. 5 INJECTIONS WERE COMPLETED. THEY WERE IN THE MIDDLE OF THE 6TH WHEN THE PUMP BROKE DOWN. THEY WILL TRY TO USE ANOTHER PUMP TO COMPLETE THE WORK. 9/16/16:SAC INSPECT SITE. NO ONE AT SITE. BASED ON INJECTION LOCATION MARKINGS, APPEARS WORK HAS BEEN COMPLETED. 2/14/17:RECEIVED GW MONITORING WELL SAMPLING REPORT. SAMPLING DONE ON 2/10/17. 8260 LEVELS ARE AS FOLLOWS: MW-1 = 0.69 ug/l MW-2 = 846 ug/l MW-3 = ND MW-5 = 331.5 ug/l MW-8 = 35 ug/l 4/17/17:RECEIVED SOIL SAMPLING WORK PLAN FROM EMPIRE GEOSERVICES. 5/11/17:SAC TELECON DAVE STEINER. MR. STEINER WILL TRY TO SCHEDULE SOIL SAMPLING NEXT WEEK. 5/23/17:SAC TELECON DAVE STEINER. SUBSURFACE SOIL SAMPLING TOOK PLACE AND WAS COMPLETED YESTERDAY. 6/6/17:RECEIVED POST-TREATMENT SAMPLING RESULTS. 7/17/17:SAC TELECON DAVE STEINER. MR. STEINER IS STILL WORKING ON THE REPORT. HE SHOULD COMPLETE IT SHORTLY. HE WILL ALSO GIVE REGENESIS A CALL TO DETERMINE IF ANOTHER TREATMENT WOULD BE RECOMMENDED AND IF SO, WHAT QUANTITY SHOULD BE USED. 8/16/17:SAC TELECON DAVE STEINER. MR. STEINER IS NEARLY FINISHED WITH THE RPEORT AND WILL SEND IT TO SAC SHORTLY. HE SENT A MESSAGE TO MAUREEN DOOLEY - REGENESIS REGARDING THE NEXT STEP FOR TREATMENT BUT HAS RECEIVED NO REPLY. HE WILL TRY TO CONTACT MS. DOOLEY AGAIN. 8/25/17:SAC TELECON DAVE STEINER. MR. STEINER SAID HE WAS SUCCESSFUL CONTACTING MAUREEN DOOLEY. SHE WILL REVIEW SITE FOR ANY ADDITIONAL RECOMMENDATIONS. 10/20/17:SAC TELECON DAVE STEINER. MR. STEINER HAS NOT HEARD BACK FROM MAUREEN DOOLEY. HE WILL FOLLOW UP WITH HER NEXT WEEK. 1/19/18:SAC TELECON DAVE STEINER. MR. STEINER

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WILL REACH OUT TO MAUREEN DOOLEY AGAIN AND THEN FORMULATE ANOTHER PLAN FOR ANOTHER TREATMENT APPLICATION. 2/20/18:RECEIVED DRAFT WORK PLAN FROM EMPIRE GEOSERVICES. 2/28/18:SAC TELECON DAVE STEINER. MR. STEINER WILL CONTACT MAUREEN DOOLEY REGARDING WORK PLAN. 3/26/18:RECEIVED ESTIMATE FOR ADDITIONAL 2 SUBSURFACE TREATMENT APPLICATIONS. PROPOSED APPLICATION WILL BE TO COVER 4,000 SQUARE FT OF AFFECTED AREA USING 40 INSTALLATION POINTS SPACED 10 FT. APART. 4/4/18:SAC NOTIFIED DAVE STEINER THERE WAS NO OBJECTION TO THE WORK PLAN PROPOSAL AND TREATMENT ESTIMATE. 4/20/18:RECEIVED MESSAGE FROM DAVE STEINER. HE ANTICIPATES RECEIVING PERSULFOX ON WEDNESDAY,4/25 AND IF SO TREATMENT/INJECTION WILL BEGIN ON THURSDAY 4/26. 4/24/18:RECEIVED MESSAGE FROM DAVE STEINER. NEXT TREATMENT APPLICATION TO BEGIN ON MONDAY, 4/30. HE ANTICIPATES IT WILL TAKE 4 TO 5 DAYS. 5/1/18:SAC INSPECT SITE. MET W/ART KOSKE AND MATT MATHIAS. MR. KOSKE SAID THEY WERE ABLE TO INJECT INTO 11 POINTS YESTERDAY AND 6 POINTS TODAY AT THE TIME OF THE INSPECTION WHICH WAS AT MID-DAY. WORK WILL CONTINUE INTO TOMORROW AND THURSDAY. 5/2/18:SAC INSPECT SITE. MET W/ART KOSKE. MR. KOSKE SAID THEY COMPOLETED 11 POINTS YESTERDAY AND HAD COMPLETED 9 SO FAR TODAY. 5/3/18:RECEIVED MESSAGE FROM DAVE STEINER. TREATMENT APPLICATION INJECTIONS HAVE BEEN COMPLETED. NEXT APPLICATION WILL TAKE PLACE AT LEAST 60 DAYS LATER. 7/26/18:RECEIVED FROM DAVE STEINER. NEXT TREATMENT APPLICATION WILL BE SCHEDULED IN AUGUST. MR. STEINER DOES NOT HAVE A FIRM DATE. 8/1/18:RECEIVED MESSAGE FROM DAVE STEINER. HE WILL BEGIN 2ND ROUND OF TREATMENT INJECTIONS TOMORROW. THEY WILL BE ON-SITE FOR THE 2ND, 3RD, 6TH, AND 7TH. 8/3/18:SAC INSPECT SITE. MET W/ART KOSKE AND RANDY STEINER. MR. KOSKE AND MR. STEINER SIAD THEY WERE ON SITE YESTERDAY AND COMPLETED 10 TREATMENT INJECTIONS. TODAY, THEY ARE ON THEIR 11TH AND EXPECT TO COMPLETE 13 TODAY. RECEIVED MESSAGE FROM DEC DER CONTRACT SECTION. DUE TO A SITUATION REGARDING THE EMPIRE GEOSERVICES CONTRACT, EMPIRE GEOSERVICES WILL NOT BE ABLE TO CONTINUE WORK ON DEC PROJECTS UNTILL ISSUE IS RESOLVED. THEREFORE, THERE WILL BE NO TREATMENT APPLICATIONS MONDAY, THE 6TH OR TUESDAY, THE 7TH. 9/10/18:RECEIVED MESSAGE FROM PAM BROWN - DEC CENTRAL OFFICE DER CONTRACTS SECTION. SHE SAID HER SUPERVISOR DAVE GARDNER THAT WORK CAN CONTINUE WITH LIRO RNGINEERS BEING THE CONTRACTOR AND SUBCONTRACTING THE REMAINING TREATMENT INJECTIONS TO SJB SERVICES. SJB SERVICES WAS A SUBSIDIARY OF EMPIRE GEOSERVICES THAT PERFORMED WORK UNDER STATE CONTRACT. 9/13/18:SAC TELECON STEVE FRANK - LIRO ENGINEERS. HE WILL FOLLOW UP W/DAVE STEINER TO SCHEDULE THE LAST OF THE TREATMENT INJECTIONS AND THEN THE POST-TREATMENT SAMPLING. 10/3/18:SAC TELECON DAVE STEINER. WORK WILL MOST LIKELY BE SCHEDULED FOR THE 2ND HALF OF THIS MONTH. 11/6/18:SAC TELECON DAVE STEINER. MR. STEINER SAID THEY COMPLETED THE TREATMENT APPLICATIONS LAST MONDAY AND TUESDAY. 2/28/19:SAC TELECON CRAIG TAYLOR - LIRO ENGINEERS. MR. TAYLOR SAID SAMPLING OF WELLS HAS BEEN RESCHEDULED FOR NEXT WEEK. 3/4/19:RECEIVED MESSAGE FROM CRAIG TAYLOR. MW SAMPLING SCHEDULED FOR 3/7/19. 3/7/19:SAC INSPECT SITE. MET W/ANDY - LIRO ENGINEERS. GROUND IS COVERED WITH THIN LAYER OF FROZEN SNOW. WELLS NOT APPARENT. MAY HAVE TO WAIT UNTIL NEXT WEEK TO SAMPLE. SAC TELECON CRAIG TAYLOR. THEY WERE UNABLE TO LOCATE WELLS. SO THEY WILL WAIT FOR A THAW BEFORE TRYING TO SAMPLE. THEY MAY ALSO TAKE THE SOIL SAMPLES THE SAME DAY THEY SAMPLE THE WELLS. 3/19/19:RECEIVED MESSAGE FROM CRAIG TAYLOR. THEY HAVE SCHEDULED THE SOIL SAMPLING FOR TOMORROW AND WILL FOLLOW UP ON THE WELL SAMPLING THE NEXT DAY. 3/20/19:MEM, CMM AND SAC INSPECT SITE. MET W/DAN SHELDON - LIRO ENGINEERS AND RANDY STEINER. THEY ARE INSTALLING GEOPROBES TO SAMPLE SOIL. EXPECT THIS PHASE TO BE

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COMPLETED TODAY. 3/25/19:RECEIVED GW MONITORING WELL SAMPLE RESULTS. 3/29/19:RECEIVED GEOPROBE SOIL SAMPLE RESULTS. 4/10/19:SAC TELECON CRAIG TAYLOR. MR. TAYLOR SAID HE IS PUTTING TOGETHER A REPORT FOR THE LATEST GEOPROBE SOIL SAMPLING AND GW MONITORING WELL RESULTS. 4/23/19:RECEIVED POST-INJECTION SOIL AND GW SAMPLING REPORT FROM LIRO. 5/1/19:SAC SPOKE TO MEM REGARDING POST TREATMENT SAMPLING REPORT. BASED ON RESULTS FURTHER WORK RECOMMENDED. SAC TO FOLLOW UP W/LIRO REGARDING EXCAVATING AREAS OF ELEVATED LEVELS ABOVE CP-51 GUIDANCE VALUES."

Remarks: "soil readings taken for bank sale - clean up pending"

All Materials:

Site ID:	464144
Operable Unit ID:	1214212
Operable Unit:	01
Material ID:	2212240
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Name:	R.E. KRUG AND TREAD CITY TIRE SITE
Address:	190 OLIVER ST
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	1201437 / Not Reported
Facility ID:	1201437
Facility Type:	ER
DER Facility ID:	418545
Site ID:	464144
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	B1
SWIS:	3212
Spill Date:	2012-05-14
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2012-05-14
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:	2012-05-14
Spill Record Last Update:	2019-05-15
Spiller Name:	Not reported
Spiller Company:	RICHARD AND LORRAINE KRUG
Spiller Address:	2108 TIMUCUA TRAIL
Spiller Company:	001

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Contact Name: JOE MECCA
DEC Memo: "5/15/12:SAC CALLED JOE MECCA - RJS ENVIRO. LEFT MESSAGE FOR A CALLBACK. 5/16/12:SAC TELECON JOE MECCA. MR. MECCA SAID THEY COMPLETED THE PHASE II WORK YESTERDAY. THERE WERE BORINGS THAT HAD DEFLECTIONS ON PID METER AND ODORS. MR. MECCA SAID HE BELIEVES THEY ARE WORKING FOR THE BANK OF THE PROSPECTIVE PURCHASER. HE ANTICIPATES SUBMITTING THE REPORT TO DEC IN A FEW WEEKS. 6/11/12:RECEIVED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT DATED 5/31/12 FROM RJS ENVIRONMENTAL. 6/15/12:SAC TELECON PAUL DICKY - NCHD REGARDING PROPERTY OWNERSHIP. ACCORDING TO RECORDS, PROPERTY IS OWNED BY RICHARD AND LORRAINE KRUG. 6/18/12:DRAFTED COMMENT LETTER BASED ON PHASE II SITE ASSESSMENT. REQUESTED WORK PLAN BY 7/31/12. 6/20/12:SAC TELECON TRACY MONTELEONE - R.E. KRUG, INC. 692-2305 EXT. 295. MS. MONTELEONE SAID THAT THE BUSINESS OWNERSHIP IS NOW W/ERIK CHRETIEN BUT THAT THE PROPERTY IS STILL OWNED BY MR. & MRS. KRUG. THE REASON FOR THE PHASE I AND PHASE II WORK IS BECAUSE MR. CHRETIEN IS LOOKING TO PURCHASE THE PROPERTY AND THE BUILDINGS. THEY HAVE NOT RECEIVED A COPY OF THE PHASE II REPORT. SAC SENT ONE TO HER. MS. MONTELEONE SAID SHE WILL BEGIN TO SEARCH FOR CONTRACTORS TO DO THE WORK. 7/19/12:SAC TELECON TRACY MONTELEONE. MS. MONTELEONE SAID SHE HAS THE BIDS FOR THE WORK. HOWEVER, THE OWNER OF THE BUILDING IS NEGOTIATING WITH THE BANK AND SHE DOES NOT BELIEVE THE WORK PLAN WILL BE SUBMITTED BY THE 31ST OF THIS MONTH. SHE DOES NOT HAVE AN INDICATION WHEN IT MIGHT BE SUBMITTED. 8/8/12:NO WORK PLAN OR RESPONSE RECEIVED FROM PROPERTY OWNERS. SENT LETTER REQUESTING RESPONSE BY 9/28/12. 10/23/12:NO WORK PLAN OR RESPONSE FROM PROPERTY OWNER. SENT LETTER REQUESTING RESPONSE BY 11/30/12 OR WILL REFER TO NYSDEC OFFICE OF GENERAL COUNSEL. 10/31/12:RECEIVED RETURNED LETTER SENT TO 190 OLIVER ST. SAME LETTER WAS SENT TO FLORIDA ADDRESS. SAC TELECON TRACY MONTELEONE. MS. MONTELEONE SAID SHE GIVES ALL MAIL RECEIVED FOR KRUGS TO THEIR DAUGHTER WHO LIVES IN THE AREA. THE DAUGHTER IS WHO RETURNED THE LETTER. 12/5/12:GPS, SAC MET W/MICHAEL ZIMMERMAN - LUMBER CITY DEVELOPMENT CORP, ERIK CHRETIEN AND TRACY MONTELEONE. DISCUSSED OPTIONS REGARDING THE CLEAN UP. 12/6/12:SAC MET W/TERESA MUCHA - NYSDEC OFFICE OF GENERAL COUNSEL. NO RESPONSE HAS BEEN RECEIVED FROM RP. MS. MUCHA WILL SEND THE NEXT LETTER. 12/21/12:TERESA MUCHA SENT LETTER TO MR. AND MRS. KRUG REQUESTING FOR A WORK PLAN OR SIGN THE RIGHT OF ENTRY. 1/11/13:RECEIVED SIGNED RIGHT OF ENTRY FORM FROM MR. KRUG. 3/5/13:SAC TELECON DAVE STEINER - EMPIRE GEOSERVICES. DISCUSSED PROJECT. MR. STEINER WILL SEND IN WORK PLAN. 3/19/13:RECEIVED EMPIRE GEOSERVICES WORK PLAN. 4/18/13:SAC INSPECT SITE. DAVE AND RANDY STEINER ON-SITE. EXCAVATION IN FORMER GASOLINE UST AREA STARTED. PER MR. STEINER, EXCAVATION DOWN 11 FT. HOWEVER, GW INFILTRATED EXCAVATION. SHEEN OBSERVED. ADDITIONAL EXCAVATION DEEPER IS DIFFICULT DUE TO PROXIMITY OF BUILDING. THEY WILL CONTINUE TO EXCAVATE TO THIS DEPTH AROUND THE BUILDING AREAS AND THEN BACKFILL. CONFIRMATORY SAMPLES WILL BE TAKEN. 4/19/13:SAC INSPECT SITE. MET W/DAVE STEINER. EXCAVATION IS AROUND THE TRAILER AND HEADING WEST. MR. STEINER BELIEVES THEY STILL WILL EXCAVATE TO THE WEST BASED ON ODORS AND PID METER READINGS. 4/22/13:GPS, SAC INSPECT SITE. MET W/STEVE BOCHENEK - EMPIRE GEOSERVICES. THEY ARE NEARING THE END OF THE EXCAVATION IN THE WEST DIRECTION NEAR THE TRAILER. STEVE WILL FIELD SCREEN THE SOIL ON THE SOUTH WALL. 4/24/13:SAC INSPECT SITE. MET W/STEVE BOCHENEK. EXCAVATION IS CONTINUING TOWARD THE EAST INTO THE DRIVEWAY. THEY WERE BACKFILLING THIS AREA TO ALLOW ACCESS AND BECAUSE OF OVERHEAD POWERLINES, THE EXCAVATOR MAY BE TO LARGE TO PROCEED SAFELY. ALTHOUGH BACKFILLING, PETROLEUM ODORS WERE APPARENT WHILE STANDING NEXT TO THE

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EXCAVATION. MR. BOCHENEK SAID HE WAS STILL READING 200 ppm ON THE PID METER WHEN SCREENING THE SIDE WALL SAMPLES. SO ADDITIONAL EXCAVATION WILL OCCUR IN THIS AREA. 4/29/2013: GPS INSPECTED SITE PER SAC REQUEST. MET W/ STEVE BOCHENEK. PERFORMING TEST PITS ALONG SOUTHERN PLANT PROPERTY TO DETERMINE EXTENT IN THAT DIRECTION. DISCUSSED WAY TO PROCEED AND IF ADDITIONAL EXCAVATION WARRANTED. NOT SEEING ANY SPECIFIC PRODUCT, LOW PIDS, APPEARS RESIDUAL CONTAMINATION LIMITED TO GRAVEL LAYER BELOW CLAY WHICH EXTENDS UNDER STRUCTURES AND CANNOT NOT BE ACCESSED WITH CONVENTIONAL EXCAVATION MEANS. TOLD STEVE TO DISCONTINUE EXCAVATION. WILL DISCUSS WITH SAC ON HOW TO PROCEED. 5/1/13:SAC INSPECT SITE. MET W/STEVE BOCHENEK. THEY ARE FINISHING OFF BACKFILLING EXCAVATED AREAS WITH CRUSHED STONE. WORK IS NEARLY COMPLETED. 9/13/13:RECEIVED REMEDIAL ACTION SUMMARY REPORT. 10/18/13:RECEIVED WORK PLAN FOR ADDITIONAL SUBSURFACE INVESTIGATION. 3/20/2014: RJJ/EMPIRE-GEO AT SITE AT 0830...TODAY,EMPIRE-GEO WILL GEO-PROBE AND OBTAIN SOIL SAMPLES, ON THE PROPERTY, TO TRY TO FIND THE EXTENT OF THIS PETROLEUM CONTAMINATION...THEN TOMORROW,THEY WILL INSTALL 3-GROUNDWATER MONITORING WELLS,AS PER THEIR DISCUSSED WORKPLAN. 3/21/2014: RJJ/EMPIRE GEO AT SITE AT 0800...YESTERDAY,EMPIRE-GEO DRILLED 8 GEO-PROBES ON SITE AND INSTALLED 2-GROUNDAWTER MONITORINGS...TODAY,THEY WILL INSTALL 1,MAYBE 2 ADDITIONAL WELLS AND CONTINUE GEO-PROBING,THEN THEY WILL OBTAIN THEIR SUBSURFACE SOIL SAMPLES FROM THESE SOIL BORINGS...(BASED ON THEIR FIELD SCREENING OF THE BORING SAMPLES,THEY THINK THEY HAVE FOUND THE EAST & WESTERN EXTENT OF THE CONTAMINATION.) 7/23/14:RECEIVED SUBSURFACE INVESTIGATION REPORT. 7/30/14:SAC TELECON DAVE STEINER. AGREED TO HAVE MONITORING WELLS SAMPLED AND THE GROUNDWATER SAMPLES ANALYZED TO CHECK SUMMER SEASON LEVELS. 10/8/14:RECEIVED JULY GW SAMPLING EVENT REPORT. 1/23/15:REVIEWED SUBSURFACE INVESTIGATION REPORT W/GPS. ADDITIONAL INVESTIGATION WORK TO BE DONE ON NEIGHBORING PROPERTY TO THE SOUTH. SENT PRP LETTER REQUESTING ADDITIONAL INVESTIGATION WORK OR SITE ACCESS TO PROPERTY OWNER AT 170 AND 156 OLIVER STREET. RESPONSE BY 2/28/15. 2/13/15:SAC TELECON JOSH QUANT - GLR. DISCUSSED PRP LETTER. MR. QUANT WILL FORWARD LETTER TO THE COMPANY PROPERTY OWNERS. HE SAID ADDRESS FOR NORTH TONAWANDA, LLC WHICH IS THE ENTITY THAT OWNS THE PROPERTY IS 30835 GROESBECK HIGHWAY, ROSEVILLE, MICHIGAN 48066. 2/24/15:RECEIVED SIGNED RIGHT OF ENTRY FROM GLR. 6/8/15:RECEIVED WORK PLAN FOR ADDITIONAL SUBSURFACE INVESTIGATION FROM EMPIRE GEOSERVICES. 6/18/15:RECEIVED MESSAGE FROM DAVE STEINER. ADDITIONAL SUBSURFACE INVESTIGATION WORK SCHEDULED FOR NEXT WEEK, 22ND AND 23RD. 6/23/15:SAC INSPECT SITE. MET W/DAVE STEINER AND STEVE BOCHENECK. THEY WERE ABLE TO INSTALL 13 GEOPROBES AND ARE IN THE PROCESS OF CONVERTING 3 INTO MONITORING WELLS. ONE WELL WILL BE AT A LOCATION WHERE CONTAMINATION WAS FOUND AND THE OTHER 2 LOCATIONS ARE OUTSIDE THE EXTENT. WORK SHOULD BE COMPLETED TODAY. 7/6/15:RECEIVED ANALYTICAL REPORT FOR THE SUBSURFACE INVESTIGATION SOIL SAMPLES. 7/10/15:RECEIVED MESSAGE FROM DAVE STEINER THAT THEY SAMPLED THE 5 EXISTING WELLS AND THE 3 NEW WELLS THAT WERE INSTALLED. THEY ALSO SURVEYED AND TOOK THE TOP OF RISER ELEVATONS FOR THE 3 NEW WELLS. 7/27/15:RECEIVED ANALYTICAL REPORT FOR THE ROUND OF MONITORING WELL SAMPLING. 9/18/15:SAC TELECON DAVE STEINER. HE WILL SEND IN REPORTS NEXT WEEK. 10/30/15:RECEIVED SUBSURFACE INVESTIGATION REPORT. 11/5/15:DISCUSSED REPORTS W/GPS. BASED ON SOIL LEVELS IN THE REPORTS, GPS REQUESTS CONTACTING EMPIRE GEOSERVICES FOR SUBSURFACE TREATMENT PROPOSALS. 11/10/15:SAC TELECON DAVE STEINER. DISCUSSED PROPOSAL FOR SUBSURFACE TREATMENT PROGRAM. MR. STEINER WILL REVIEW AND COME UP

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WITH RECOMMENDATIONS IN THE NEXT FEW WEEKS. 1/5/16:SAC TELECON DAVE STEINER. MR. STEINER SAID THAT HE IS STILL WAITING TO HEAR FROM REGENESIS. HE WILL CONTACT THEM FOR AN UPDATE. 2/16/16:SAC TELECON DAVE STEINER. MR. STEINER SAID HE SPOKE TO REGENESIS AND THEY TOLD HIM THEY WOULD GET HIM A PROPOSAL BY 2/5/16. HOWEVER, HE DID NOT HEAR FROM THEM. HE WILL FOLLOW UP WITH A CALL TO THEM. 2/22/16:RECEIVED PROPOSAL AND ESTIMATE FROM REGENSIS THROUGH DAVE STEINER. 3/31/16:SAC TELECON DAVE STEINER REQUESTING WORK PLAN FOR SUBSURFACE TREATMENT APPLICATION. 4/29/16:RECEIVED WORK PLAN FOR SUBSURFACE TREATMENT. 5/2/16:SAC TELECON DAVE STEINER. DISCUSSED SUBSURFACE TREATMENT WORK PLAN. BASED ON THE RESULTS OF THE SUBSURFACE INVESTIGATION, AREA TO BE TREATED SHOULD BE LARGER THAN WHAT WAS PROPOSED. MR. STEINER WILL GO TO THE SITE TO TAKE MEASUREMENTS. ONCE HE COMPLETES THIS TASK HE WILL SEND IN AMENDED WORK PLAN. 5/10/16:RECEIVED REVISED WORK PLAN FOR IN-PLACE TREATMENT. 5/11/16:SAC TELECON DAVE STEINER REGARDING REVISED WORK PLAN. SAC TOLD MR. STEINER THERE WAS NO OBJECTION TO THE WORK PLAN. MR. STEINER WILL ORDER THE MATERIAL SO THE WORK PLAN CAN BE IMPLEMENTED. 6/3/16:SAC TELECON DAVE STEINER REGARDING SITE STATUS. MR. STEINER SAID HE IS WAITING FOR THE REVISED QUOTE FROM REGENESIS SINCE WORK PLAN WAS AMENDED. MR. STEINER SAID THAT HIS MATERIAL ORDER WILL BE BASED ON THE QUOTE. THEREFORE, UNTIL HE RECEIVES IT, HE CANNOT ORDER THE MATERIAL. HE WILL CALL REGENESIS TO ASK ABOUT THE STATUS OF THE REVISED QUOTE. 6/22/16:RECEIVED COPY OF MESSAGE FROM DAVE STEINER TO TRACY MONTELEONE. MR. STEINER SAID MATERIAL FOR THE SUBSURFACE TREATMENT IS SCHEDULED TO ARRIVE EITHER FRIDAY, 6/24 OR MONDAY, 6/27. THEREFORE, WORK COULD BEGIN ON 6/27 OR 6/28. MR. STEINER INQUIRED IF THIS SCHEDULE WAS ACCEPTABLE. 6/28/16:SAC TELECON DAVE STEINER. MR. STEINER SAID THEY WERE ON-SITE YESTERDAY TO BEGIN THE SUBSURFACE TREATMENT. SAC INSPECT SITE. MET W/RANDY STEINER AND ART KLOSKE - EMPIRE GEOSERVICES. MR. KLOSKE SAID THEY HAVE 27 POINTS TO INJECT. THEY COMPLETED EIGHT INJECTION POINTS, YESTERDAY. 6/29/16:SAC INSPECT SITE. MET W/RANDY STEINER AND ART KLOSKE. MR. KLOSKE AND MR. STEINER SAID THEY COMPLETED EIGHT POINTS EACH DAY FOR 2 DAYS. TODAY, THEY WERE IN THE PROCESS OF INJECTING INTO THE 7TH POINT AND SHOULD COMPLETE ONE MORE TODAY. THAT WILL 3 POINTS TO BE COMPLETED TOMORROW. 6/30/16:SAC INSPECT SITE. MET W/RANDY STEINER AND ART KLOSKE. THEY WERE INJECTING INTO THE NEXT TO LAST POINT. THEY WILL FINISH LAST POINT AT ABOUT NOON TIME, TODAY. 9/6/16:RECEIVED MESSAGE FROM DAVE STEINER. NEXT SUBSURFACE TREATMENT INJECTIONS ARE TENTATIVELY SCHEDULED FOR NEXT WEEK. 9/14/16:SAC INSPECT SITE. MET W/ART KLOSKE AND RANDY STEINER. MR. KLOSKE SAID WORK BEGAN YESTERDAY AND THEY HAVE COMPLETED THE INJECTIONS IN 16 POINTS. THEY ARE INJECTING IN ABOUT THE SAME LOCATIONS AS THE PREVIOUS POINTS. 9/15/16:SAC INSPECT SITE. MET WITH ART KLOSKE AND RANDY STEINER. 5 INJECTIONS WERE COMPLETED. THEY WERE IN THE MIDDLE OF THE 6TH WHEN THE PUMP BROKE DOWN. THEY WILL TRY TO USE ANOTHER PUMP TO COMPLETE THE WORK. 9/16/16:SAC INSPECT SITE. NO ONE AT SITE. BASED ON INJECTION LOCATION MARKINGS, APPEARS WORK HAS BEEN COMPLETED. 2/14/17:RECEIVED GW MONITORING WELL SAMPLING REPORT. SAMPLING DONE ON 2/10/17. 8260 LEVELS ARE AS FOLLOWS: MW-1 = 0.69 ug/l MW-2 = 846 ug/l MW-3 = ND MW-5 = 331.5 ug/l MW-8 = 35 ug/l 4/17/17:RECEIVED SOIL SAMPLING WORK PLAN FROM EMPIRE GEOSERVICES. 5/11/17:SAC TELECON DAVE STEINER. MR. STEINER WILL TRY TO SCHEDULE SOIL SAMPLING NEXT WEEK. 5/23/17:SAC TELECON DAVE STEINER. SUBSURFACE SOIL SAMPLING TOOK PLACE AND WAS COMPLETED YESTERDAY. 6/6/17:RECEIVED POST-TREATMENT SAMPLING RESULTS. 7/17/17:SAC TELECON DAVE STEINER. MR. STEINER IS STILL WORKING ON THE REPORT. HE SHOULD COMPLETE IT

CALAMAR CONSTRUCTION MGMT INC (Continued) **1006810592**

SHORTLY. HE WILL ALSO GIVE REGENESIS A CALL TO DETERMINE IF ANOTHER TREATMENT WOULD BE RECOMMENDED AND IF SO, WHAT QUANTITY SHOULD BE USED. 8/16/17:SAC TELECON DAVE STEINER. MR. STEINER IS NEARLY FINISHED WITH THE RPEORT AND WILL SEND IT TO SAC SHORTLY. HE SENT A MESSAGE TO MAUREEN DOOLEY - REGENESIS REGARDING THE NEXT STEP FOR TREATMENT BUT HAS RECEIVED NO REPLY. HE WILL TRY TO CONTACT MS. DOOLEY AGAIN. 8/25/17:SAC TELECON DAVE STEINER. MR. STEINER SAID HE WAS SUCCESSFUL CONTACTING MAUREEN DOOLEY. SHE WILL REVIEW SITE FOR ANY ADDITIONAL RECOMMENDATIONS. 10/20/17:SAC TELECON DAVE STEINER. MR. STEINER HAS NOT HEARD BACK FROM MAUREEN DOOLEY. HE WILL FOLLOW UP WITH HER NEXT WEEK. 1/19/18:SAC TELECON DAVE STEINER. MR. STEINER WILL REACH OUT TO MAUREEN DOOLEY AGAIN AND THEN FORMULATE ANOTHER PLAN FOR ANOTHER TREATMENT APPLICATION. 2/20/18:RECEIVED DRAFT WORK PLAN FROM EMPIRE GEOSERVICES. 2/28/18:SAC TELECON DAVE STEINER. MR. STEINER WILL CONTACT MAUREEN DOOLEY REGARDING WORK PLAN. 3/26/18:RECEIVED ESTIMATE FOR ADDITIONAL 2 SUBSURFACE TREATMENT APPLICATIONS. PROPOSED APPLICATION WILL BE TO COVER 4,000 SQUARE FT OF AFFECTED AREA USING 40 INSTALLATION POINTS SPACED 10 FT. APART. 4/4/18:SAC NOTIFIED DAVE STEINER THERE WAS NO OBJECTION TO THE WORK PLAN PROPOSAL AND TREATMENT ESTIMATE. 4/20/18:RECEIVED MESSAGE FROM DAVE STEINER. HE ANTICIPATES RECEIVING PERSULFOX ON WEDNESDAY,4/25 AND IF SO TREATMENT/INJECTION WILL BEGIN ON THURSDAY 4/26. 4/24/18:RECEIVED MESSAGE FROM DAVE STEINER. NEXT TREATMENT APPLICATION TO BEGIN ON MONDAY, 4/30. HE ANTICIPATES IT WILL TAKE 4 TO 5 DAYS. 5/1/18:SAC INSPECT SITE. MET W/ART KOSKE AND MATT MATHIAS. MR. KOSKE SAID THEY WERE ABLE TO INJECT INTO 11 POINTS YESTERDAY AND 6 POINTS TODAY AT THE TIME OF THE INSPECTION WHICH WAS AT MID-DAY. WORK WILL CONTINUE INTO TOMORROW AND THURSDAY. 5/2/18:SAC INSPECT SITE. MET W/ART KOSKE. MR. KOSKE SAID THEY COMPOLETED 11 POINTS YESTERDAY AND HAD COMPLETED 9 SO FAR TODAY. 5/3/18:RECEIVED MESSAGE FROM DAVE STEINER. TREATMENT APPLICATION INJECTIONS HAVE BEEN COMPLETED. NEXT APPLICATION WILL TAKE PLACE AT LEAST 60 DAYS LATER. 7/26/18:RECEIVED FROM DAVE STEINER. NEXT TREATMENT APPLICATION WILL BE SCHEDULED IN AUGUST. MR. STEINER DOES NOT HAVE A FIRM DATE. 8/1/18:RECEIVED MESSAGE FROM DAVE STEINER. HE WILL BEGIN 2ND ROUND OF TREATMENT INJECTIONS TOMORROW. THEY WILL BE ON-SITE FOR THE 2ND, 3RD, 6TH, AND 7TH. 8/3/18:SAC INSPECT SITE. MET W/ART KOSKE AND RANDY STEINER. MR. KOSKE AND MR. STEINER SIAD THEY WERE ON SITE YESTERDAY AND COMPLETED 10 TREATMENT INJECTIONS. TODAY, THEY ARE ON THEIR 11TH AND EXPECT TO COMPLETE 13 TODAY. RECEIVED MESSAGE FROM DEC DER CONTRACT SECTION. DUE TO A SITUATION REGARDING THE EMPIRE GEOSERVICES CONTRACT, EMPIRE GEOSERVICES WILL NOT BE ABLE TO CONTINUE WORK ON DEC PROJECTS UNTILL ISSUE IS RESOLVED. THEREFORE, THERE WILL BE NO TREATMENT APPLICATIONS MONDAY, THE 6TH OR TUESDAY, THE 7TH. 9/10/18:RECEIVED MESSAGE FROM PAM BROWN - DEC CENTRAL OFFICE DER CONTRACTS SECTION. SHE SAID HER SUPERVISOR DAVE GARDNER THAT WORK CAN CONTINUE WITH LIRO RNGINEERS BEING THE CONTRACTOR AND SUBCONTRACTING THE REMAINING TREATMENT INJECTIONS TO SJB SERVICES. SJB SERVICES WAS A SUBSIDIARY OF EMPIRE GEOSERVICES THAT PERFORMED WORK UNDER STATE CONTRACT. 9/13/18:SAC TELECON STEVE FRANK - LIRO ENGINEERS. HE WILL FOLLOW UP W/DAVE STEINER TO SCHEDULE THE LAST OF THE TREATMENT INJECTIONS AND THEN THE POST-TREATMENT SAMPLING. 10/3/18:SAC TELECON DAVE STEINER. WORK WILL MOST LIKELY BE SCHEDULED FOR THE 2ND HALF OF THIS MONTH. 11/6/18:SAC TELECON DAVE STEINER. MR. STEINER SAID THEY COMPLETED THE TREATMENT APPLICATIONS LAST MONDAY AND TUESDAY. 2/28/19:SAC TELECON CRAIG TAYLOR - LIRO ENGINEERS. MR. TAYLOR SAID SAMPLING OF WELLS HAS BEEN RESCHEDULED FOR NEXT WEEK. 3/4/19:RECEIVED

CALAMAR CONSTRUCTION MGMT INC (Continued) **1006810592**

MESSAGE FROM CRAIG TAYLOR. MW SAMPLING SCHEDULED FOR 3/7/19. 3/7/19:SAC INSPECT SITE. MET W/ANDY - LIRO ENGINEERS. GROUND IS COVERED WITH THIN LAYER OF FROZEN SNOW. WELLS NOT APPARENT. MAY HAVE TO WAIT UNTIL NEXT WEEK TO SAMPLE. SAC TELECON CRAIG TAYLOR. THEY WERE UNABLE TO LOCATE WELLS. SO THEY WILL WAIT FOR A THAW BEFORE TRYING TO SAMPLE. THEY MAY ALSO TAKE THE SOIL SAMPLES THE SAME DAY THEY SAMPLE THE WELLS. 3/19/19:RECEIVED MESSAGE FROM CRAIG TAYLOR. THEY HAVE SCHEDULED THE SOIL SAMPLING FOR TOMORROW AND WILL FOLLOW UP ON THE WELL SAMPLING THE NEXT DAY. 3/20/19:MEM, CMM AND SAC INSPECT SITE. MET W/DAN SHELDON - LIRO ENGINEERS AND RANDY STEINER. THEY ARE INSTALLING GEOPROBES TO SAMPLE SOIL. EXPECT THIS PHASE TO BE COMPLETED TODAY. 3/25/19:RECEIVED GW MONITORING WELL SAMPLE RESULTS. 3/29/19:RECEIVED GEOPROBE SOIL SAMPLE RESULTS. 4/10/19:SAC TELECON CRAIG TAYLOR. MR. TAYLOR SAID HE IS PUTTING TOGETHER A REPORT FOR THE LATEST GEOPROBE SOIL SAMPLING AND GW MONITORING WELL RESULTS. 4/23/19:RECEIVED POST-INJECTION SOIL AND GW SAMPLING REPORT FROM LIRO. 5/1/19:SAC SPOKE TO MEM REGARDING POST TREATMENT SAMPLING REPORT. BASED ON RESULTS FURTHER WORK RECOMMENDED. SAC TO FOLLOW UP W/LIRO REGARDING EXCAVATING AREAS OF ELEVATED LEVELS ABOVE CP-51 GUIDANCE VALUES."

Remarks: "soil readings taken for bank sale - clean up pending"

All Materials:

Site ID:	464144
Operable Unit ID:	1214212
Operable Unit:	01
Material ID:	2212240
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

FINDS:

Registry ID: 110014359586

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1006810592
Registry ID:	110014359586
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110014359586
Name:	CALAMAR CONSTRUCTION MGMT INC

CALAMAR CONSTRUCTION MGMT INC (Continued) **1006810592**

Address: 190 OLIVER ST SUITE 100
City,State,Zip: NORTH TONAWANDA, NY 14120

NY MANIFEST:
Name: CALAMAR
Address: 190 OLIVER ST SUITE 100
City,State,Zip: NORTH TONAWANDA, NY 14120
Country: USA
EPA ID: NYR000114033
Facility Status: Not reported
Location Address 1: 190 OLIVER ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NORTH TONAWANDA
Location State: NY
Location Zip: 14120
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000114033
Mailing Name: CALAMAR
Mailing Contact: WILLIAM KELLER
Mailing Address 1: 190 OLIVER ST
Mailing Address 2: Not reported
Mailing City: NORTH TONAWANDA
Mailing State: NY
Mailing Zip: 14120
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7166930006

NY MANIFEST:
Document ID: NYG3459915
Manifest Status: Not reported
seq: 01
Year: 2003
Trans1 State ID: 33302PANY
Trans2 State ID: Not reported
Generator Ship Date: 04/15/2003
Trans1 Recv Date: 04/15/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/18/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000114033
Trans1 EPA ID: NYD986903904
Trans2 EPA ID: Not reported
TSDF ID 1: OHD083377010
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

CALAMAR CONSTRUCTION MGMT INC (Continued) **1006810592**

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:	00013
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00008
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:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00010
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:	01.00

K42 **KRUG GLAZING PROPERTY** **US BROWNFIELDS** **1010341217**
East **190 OLIVER STREET** **ECHO** **N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.135 mi.
714 ft. **Site 2 of 4 in cluster K**

Relative: **Higher**
Actual: **574 ft.**

US BROWNFIELDS:

Name:	KRUG GLAZING PROPERTY
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.05-1-19
Parcel size:	3.61
Latitude:	43.027892
Longitude:	-78.875735
HCM Label:	Address Matching-House Number

KRUG GLAZING PROPERTY (Continued) **1010341217**

Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	53341
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	2275
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:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	5/1/2007
Ownership Entity:	Private
Completion Date:	9/17/2007
Current Owner:	Richard Krug
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
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:	Y
Other cleaned up:	-
Other metals found:	-

KRUG GLAZING PROPERTY (Continued) **1010341217**

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:	3.61
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:	Y
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-

KRUG GLAZING PROPERTY (Continued) **1010341217**

Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Multiple buildings surround one main building on which Krug Glazing Company had manufactured and stored window products for large construction activities. It is currently dormant and the owner has attempted to sell it for more than two years with no success. The environmental condition is unknown, inhibiting redevelopment. As early as 1886, the site was used in the lumber industry and was used for various lumber processes until the early 1970's. The property is currently used by R.E. Krug Corporation for glazing and aluminum fabrication and Tread City Tire for tire distribution and warehousing. The property contains four buildings including a 37,222 sq. ft. office/warehouse built in 1938, a one-story cold storage building, a Quonset-type fabrication and assembly facility, and an automobile tire warehouse.
Below Poverty Number:	725
Below Poverty Percent:	19.1
Meidan Income:	3570
Meidan Income Number:	1497
Meidan Income Percent:	39.45
Vacant Housing Number:	190
Vacant Housing Percent:	9.14
Unemployed Number:	175
Unemployed Percent:	4.61

Name:	KRUG GLAZING PROPERTY
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.05-1-19
Parcel size:	3.61
Latitude:	43.027892
Longitude:	-78.875735
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	53341
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1697
Assessment Funding Source:	-
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:	-
Accomplishment Type:	Phase II Environmental Assessment

KRUG GLAZING PROPERTY (Continued) **1010341217**

Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	8/4/2008
Ownership Entity:	Private
Completion Date:	8/4/2008
Current Owner:	Richard Krug
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
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:	Y
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:	-

KRUG GLAZING PROPERTY (Continued) **1010341217**

Past use industrial acreage:	3.61
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:	Y
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:	Multiple buildings surround one main building on which Krug Glazing Company had manufactured and stored window products for large construction activities. It is currently dormant and the owner has attempted to sell it for more than two years with no success. The environmental condition is unknown, inhibiting redevelopment. As early as 1886, the site was used in the lumber industry and was used for various lumber processes until the early 1970's. The property is currently used by R.E. Krug Corporation for glazing and aluminum fabrication and Tread City Tire for tire distribution and warehousing. The property contains four buildings including a 37,222 sq. ft. office/warehouse built in 1938, a one-story cold storage building, a Quonset-type fabrication and assembly facility, and an automobile tire warehouse.
Below Poverty Number:	725
Below Poverty Percent:	19.1
Meidan Income:	3570
Meidan Income Number:	1497
Meidan Income Percent:	39.45
Vacant Housing Number:	190
Vacant Housing Percent:	9.14

KRUG GLAZING PROPERTY (Continued) **1010341217**

Unemployed Number: 175
Unemployed Percent: 4.61

ECHO:
Envid: 1010341217
Registry ID: 110031005828
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110031005828
Name: KRUG GLAZING PROPERTY
Address: 190 OLIVER STREET
City,State,Zip: NORTH TONAWANDA, NY 14120

K43 **KRUGS GLAZING SERVICES INC** **RCRA NonGen / NLR** **1000833559**
East **190 OLIVER ST** **NYD987033099**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.135 mi.
714 ft. **Site 3 of 4 in cluster K**

Relative: **Higher**
Actual: **574 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	KRUGS GLAZING SERVICES INC
Handler Address:	190 OLIVER ST
Handler City,State,Zip:	NORTH TONAWANDA, NY 14120
EPA ID:	NYD987033099
Contact Name:	WILLIAM LIEDER
Contact Address:	OLIVER ST
Contact City,State,Zip:	NORTH TONAWANDA, NY 14120
Contact Telephone:	716-692-2305
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
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 R9
Mailing Address:	OLIVER ST
Mailing City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner Name:	RICHARD E KRUG
Owner Type:	Private
Operator Name:	RICHARD E KRUG
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

KRUGS GLAZING SERVICES INC (Continued) **1000833559**

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:	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:	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

KRUGS GLAZING SERVICES INC (Continued) **1000833559**

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.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RICHARD E KRUG
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	190 OLIVER ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner/Operator Telephone:	716-692-2305
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RICHARD E KRUG
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	190 OLIVER ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner/Operator Telephone:	716-692-2305
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	RICHARD E KRUG
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	190 OLIVER ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner/Operator Telephone:	716-692-2305
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2006-01-01 00:00:00.0
Handler Name:	KRUGS GLAZING SERVICES 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:	2007-01-01 00:00:00.0

KRUGS GLAZING SERVICES INC (Continued) **1000833559**

Handler Name:	KRUGS GLAZING SERVICES 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:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1993-04-28 00:00:00.0
Handler Name:	KRUGS GLAZING SERVICES 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

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K44 **HULLEY WOODWORKING** **RCRA NonGen / NLR** **1004759643**
East **190 OLIVER ST - 2ND FLOOR** **FINDS** **NYR000016857**
1/8-1/4 **NORTH TONAWANDA, NY 14151** **ECHO**
0.135 mi.
714 ft. **Site 4 of 4 in cluster K**

Relative: **Higher**
Actual: **574 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	HULLEY WOODWORKING
Handler Address:	190 OLIVER ST - 2ND FLOOR
Handler City,State,Zip:	NORTH TONAWANDA, NY 14151
EPA ID:	NYR000016857
Contact Name:	JOHN HULLEY
Contact Address:	OLIVER ST - 2ND FLOOR
Contact City,State,Zip:	NORTH TONAWANDA, NY 14151
Contact Telephone:	716-743-0850
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private

HULLEY WOODWORKING (Continued) **1004759643**

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 R9
Mailing Address:	OLIVER ST - 2ND FLOOR
Mailing City,State,Zip:	NORTH TONAWANDA, NY 14151
Owner Name:	JOHN HULLEY
Owner Type:	Private
Operator Name:	JOHN HULLEY
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

HULLEY WOODWORKING (Continued) **1004759643**

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:	JOHN HULLEY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	190 OLIVER ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14151
Owner/Operator Telephone:	716-743-0850
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOHN HULLEY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	190 OLIVER ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14151
Owner/Operator Telephone:	716-743-0850
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JOHN HULLEY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	190 OLIVER ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14151
Owner/Operator Telephone:	716-743-0850
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2006-01-01 00:00:00.0

HULLEY WOODWORKING (Continued) **1004759643**

Handler Name: HULLEY WOODWORKING
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: HULLEY WOODWORKING
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: 1995-11-20 00:00:00.0
Handler Name: HULLEY WOODWORKING
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

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110009484753

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

HULLEY WOODWORKING (Continued) **1004759643**

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:	1004759643
Registry ID:	110009484753
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009484753
Name:	HULLEY WOODWORKING
Address:	190 OLIVER ST - 2ND FLOOR
City,State,Zip:	NORTH TONAWANDA, NY 14151

L45 **GATEWAY POINT 4** **US BROWNFIELDS** **1016346981**
South **82 RIVER ROAD** **FINDS** **N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.139 mi.
733 ft. **Site 1 of 2 in cluster L**

Relative: **Higher**

Actual: **571 ft.**

US BROWNFIELDS:

Name:	GATEWAY POINT 4
Address:	82 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.09-1-31
Parcel size:	1.8
Latitude:	43.02528
Longitude:	-78.88039
HCM Label:	Address Matching-House Number
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	60301
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	384
Assessment Funding Source:	-
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:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	4/1/2005

GATEWAY POINT 4 (Continued) **1016346981**

Ownership Entity:	Private
Completion Date:	4/1/2005
Current Owner:	B&G Marine
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
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:	Y
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:	1.8
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-

GATEWAY POINT 4 (Continued) **1016346981**

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:	Y
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 property runs along the Niagara River. Property access is via a narrow road off River Road. From the mid to late 1800s, the area was used as a lumberyard and processing facility with associated boat slips and rail lines. Related planning mills and box factories became more prevalent in the early 1900s. Beginning in the 1950s, the area was developed as a seasonal boat storage facility. The property is currently used for storing construction materials, boats, and miscellaneous materials. A portion of the property contains grass covered mounds.
Below Poverty Number:	550
Below Poverty Percent:	30.4
Meidan Income:	2942
Meidan Income Number:	927
Meidan Income Percent:	51.24
Vacant Housing Number:	206
Vacant Housing Percent:	17.15
Unemployed Number:	102
Unemployed Percent:	5.64

FINDS:

Registry ID: 110038715263

GATEWAY POINT 4 (Continued) **1016346981**

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.

M46 **NYSDEC SCHRECKS SCRAPYARD SITE** **RCRA NonGen / NLR** **1000185787**
NNE **55 SCHENCK ST** **FINDS** **NYD986876308**
1/8-1/4 **NORTH TONAWANDA, NY 14120** **ECHO**
0.159 mi.
837 ft. **Site 1 of 3 in cluster M**

Relative:
Higher

Actual:
572 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	NYSDEC SCHRECKS SCRAPYARD SITE
Handler Address:	55 SCHENCK ST
Handler City,State,Zip:	NORTH TONAWANDA, NY 14120-7103
EPA ID:	NYD986876308
Contact Name:	Not reported
Contact Address:	WOLF RD ROOM 222
Contact City,State,Zip:	ALBANY, NY 12233
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 R9
Mailing Address:	WOLF RD ROOM 222
Mailing City,State,Zip:	ALBANY, NY 12233
Owner Name:	NYS ENV CONSERVATION
Owner Type:	State
Operator Name:	NYS ENV CONSERVATION
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

NYSDEC SCHRECKS SCRAPYARD SITE (Continued) **1000185787**

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:	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:	NONE
Waste Description:	Not Defined

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NYS ENV CONSERVATION
Legal Status:	State
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

NYSDEC SCHRECKS SCRAPYARD SITE (Continued) **1000185787**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NYS ENV CONSERVATION
Legal Status: State
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: NYS ENV CONSERVATION
Legal Status: State
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: NYSDEC SCHRECKS SCRAPYARD SITE
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: NYSDEC SCHRECKS SCRAPYARD SITE
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: NYSDEC SCHRECKS SCRAPYARD SITE

NYSDEC SCHRECKS SCRAPYARD SITE (Continued) **1000185787**

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:	1988-10-11 00:00:00.0
Handler Name:	NYSDEC SCHRECKS SCRAPYARD SITE
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 Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004438298

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000185787
Registry ID:	110004438298
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004438298
Name:	NYSDEC SCHRECKS SCRAPYARD SITE
Address:	55 SCHENCK ST

NYSDEC SCHRECKS SCRAPYARD SITE (Continued) **1000185787**

City,State,Zip: NORTH TONAWANDA, NY 14120

M47 **SCHRECK'S SCRAPYARD** **NY SHWS** **S116287485**
NNE **55 SCHENCK STREET** **N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.159 mi.
837 ft. **Site 2 of 3 in cluster M**

Relative:
Higher

Actual:
572 ft.

SHWS:
Name: SCHRECK'S SCRAPYARD
Address: 55 SCHENCK STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Program: HW
Site Code: 56726
Classification: Not reported
Region: 9
Acres: 1.5
HW Code: 932099
Record Add: 11/18/1999
Record Upd: 12/31/2019
Updated By: SFRADON
Site Description: Location: The 1.5 acre Schreck's Scrapyard Site is located at 55 Schenck Street in the City of North Tonawanda, Niagara County. The site is bordered by Schenk Street and the WestRock Company to the north, commercial buildings to the west and south, and vacant property to the east. The Niagara River is located approximately 800 feet west of the Site. Site Features: The topography of the site is relatively flat, with very little surface water runoff occurring. The site contains two building foundations that were not removed during remedial activities. Current Use and Zoning: The site is zoned for industrial use, and is currently being used as a parking lot for tractor trailers and personal vehicles of the WestRock CP, LLC Company, formerly RockTenn and now a subsidiary of WestRock. Surrounding properties include a mix of residential and light industrial parcels. Although no residential properties are located adjacent to the site, a residential neighborhood lies approximately one block to the east. Past Use of the Site: Schreck's Iron and Metal Company operated a scrap iron business at this site from 1951 to 1953. Site operations prior to this time are unknown. In 1953, the business was sold to Bengart and Menel, Inc., who reportedly continued the same operation until 1977. From 1951 until 1975, drums of phenolic waste from Occidental-Durez were reportedly brought to the site and subsequently hauled by the facility's trucks to local waste disposal facilities. In 1965, 50 to 60 drums of phenolic wastes were reportedly landfilled in an abandoned press pit. The pit was approximately 18 to 20 feet deep, and also contained building debris. Following the placement of the drums, the pit was reportedly covered with approximately two feet of soil. From 1960 to 1975, transformers from Niagara Mohawk Power Corporation were routinely brought to the site for salvage. The metal exterior was sheared and the oil was allowed to spill onto the ground surface. It was reported that the oil-soaked soils were periodically pushed by a bulldozer toward the eastern boundary of the property. Remedial History: In 1983, the Lawless Container Corporation retained a consultant to conduct a pre-purchase environmental audit of the former Schreck's Scrapyard property. Analyses from on-site soil samples revealed the presence of hazardous concentrations (greater than 50 parts per million) of polychlorinated biphenyls (PCBs), elevated concentrations of heavy

SCHRECK'S SCRAPYARD (Continued) **S116287485**

metals, and the presence of cyanide, phenols and volatile organic compounds (VOCs). Based upon the results of this audit Lawless did not purchase the property. In 1986, the NYSDEC completed a Phase I Investigation of the site. Due to the presence of PCBs in site soil at hazardous concentrations, the Schreck s Scrapyard Site was listed as a Class 2 inactive hazardous waste site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry). In 1989, the NYSDEC completed a Remedial Investigation/Feasibility Study (RI/FS) of the site. This investigation delineated the extent of PCB contaminated soils, identified the presence of deteriorated drums in the abandoned press pit, and determined the extent of groundwater contamination resulting from the buried drums and contaminated soils. In September 1990, the NYSDEC issued a Record of Decision (ROD) for the site. In 1991, the Occidental Chemical Corporation completed the remediation of the press pit by removing 160 drums of phenolic resin wastes, 24 truck-loads of contaminated soil, and 7,000 gallons of contaminated liquids. In August 1993, the NYSDEC, under the State Superfund Program, began the excavation of contaminated soils from the Schreck's Scrapyard Site. This work was completed in January 1994, and included the removal and off-site disposal of 16,329 tons of both hazardous and non-hazardous soil and debris. In 2000, as part of the ongoing Operation and Maintenance Program at the site, the wooden roof covering the former press pit, which had deteriorated over the years, was removed. Debris and oily liquids, discovered at the bottom of the pit, were removed by a NYSDEC Spill Contractor. The press pit was backfilled with clean soil. The site was reclassed on June 29, 2015 to a Class C. Site Geology and Hydrogeology: The geology of the site consists primarily of lacustrine clay with thin seams of sand, silt and gravel that are discontinuous. Bedrock at the site was encountered at a depth of 40.5 feet below ground surface. Depth to groundwater in the shallow overburden ranges from 8.4 to 11.6 feet below ground surface. Groundwater in this zone generally flows to the west. Site Management: Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.

Env Problem: Nature and Extent of Contamination Prior to Completion of Remediation: Historically, some groundwater standard exceedances were documented for volatile organic compounds and metals. The geology and hydrogeology of the site, however, prevented the off-site migration of contaminants via shallow groundwater and prevented the regional bedrock aquifer from becoming impacted by site related contaminants. Post-Remediation: Groundwater contamination was addressed through a State Superfund remediation completed in January 1994. Excavation activities removed drummed wastes and contaminated soils from the site that were the source of the groundwater contamination. The cleanup goal was 10 ppm for PCBs. Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Long-term groundwater monitoring results indicate that the remedy remains protective of the environment. As a result, there are no current or potential future environmental exposure pathways associated with the site. Site inspections are completed on a periodic basis. Institutional Control/Engineering

SCHRECK'S SCRAPYARD (Continued) **S116287485**

	Control certifications are also completed on a periodic basis.
Health Problem:	Contact with site-related contaminants in soil is not expected as measures have been taken to remove the contaminants from the site. Groundwater use for drinking purposes is restricted and the area is served by a public water supply that is not affected by this site.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1951
Disp Term:	1977
Lat/Long:	43:01:47:0 / 78:52:41:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	8/27/2015 8:43:00 AM
Updated By:	gmmay
Own Op:	3
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	TENNIS SCHREKENGOST, BENGART AND MEM
Owner Address:	1091 CLINTON ST.
Owner Addr2:	Not reported
Owner City,St,Zip:	BUFFALO, NY 14206
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	MR. Dave Hromowyk
Owner Company:	WestRock CP, LLC
Owner Address:	51 Robinson Street
Owner Addr2:	Not reported
Owner City,St,Zip:	North Tonawanda, NY 14120
Owner Country:	United States of America
HW Code:	932099
Waste Type:	PCB'S
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	932099
Waste Type:	SOLVENTS
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	932099
Waste Type:	PHENOLIC RESIN WASTE
Waste Quantity:	APPROX. 130 DRUMS
Waste Code:	Not reported
Crossref ID:	2014-08339
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	6/6/2014 12:18:00 PM
Record Updated:	6/6/2014 12:18:00 PM
Updated By:	gmmay
Crossref ID:	NYD981560931
Cross Ref Type Code:	5
Cross Ref Type:	EPA Site ID
Record Added Date:	11/18/1999 12:00:00 PM
Record Updated:	5/10/2001 4:31:00 PM
Updated By:	REGTRANS

M48 **SCHRECK'S SCRAPYARD** **SEMS-ARCHIVE** **1003864111**
NNE **55 SCHENCK STREET** **NY LTANKS** **NYD981560931**
1/8-1/4 **NORTH TONAWANDA, NY 14120** **NY ENG CONTROLS**
0.159 mi. **NY INST CONTROL**
837 ft. **Site 3 of 3 in cluster M** **RCRA NonGen / NLR**
NY MANIFEST

Relative:
Higher

Actual:
572 ft.

SEMS Archive:

Site ID:	0202362
EPA ID:	NYD981560931
Name:	SCHRECK'S SCRAPYARD
Address:	55 SCHENCK STREET
Address 2:	Not reported
City,State,Zip:	NORTH TONAWANDA, NY 14120
Cong District:	32
FIPS Code:	36063
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	02
Site ID:	0202362
EPA ID:	NYD981560931
Site Name:	SCHRECK'S SCRAPYARD
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1987-09-22 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	02
Site ID:	0202362
EPA ID:	NYD981560931
Site Name:	SCHRECK'S SCRAPYARD
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1987-09-21 04:00:00
Finish Date:	1987-09-22 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0202362
EPA ID:	NYD981560931
Site Name:	SCHRECK'S SCRAPYARD
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA

SCHRECK'S SCRAPYARD (Continued) **1003864111**

SEQ: 1
Start Date: Not reported
Finish Date: 1986-09-29 04:00:00
Qual: L
Current Action Lead: St Perf

Region: 02
Site ID: 0202362
EPA ID: NYD981560931
Site Name: SCHRECK'S SCRAPYARD
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1986-09-19 04:00:00
Finish Date: 1986-09-19 04:00:00
Qual: Not reported
Current Action Lead: St Perf

LTANKS:
Name: SCHRECK'S SCRAPYARD
Address: 55 SCHENCK STREET
City,State,Zip: NORTH TONAWANDA, NY
Spill Number/Closed Date: 9309523 / 1994-12-28
Facility ID: 9309523
Site ID: 87041
Spill Date: 1993-11-04
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: B3
Cleanup Ceased: 1994-12-28
SWIS: 3212
Investigator: SACALAND
Referred To: Not reported
Reported to Dept: 1993-11-04
CID: Not reported
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1993-11-05
Spill Record Last Update: 1997-07-07
Spiller Name: Not reported
Spiller Company: SCHRECK'S SCRAPYARD
Spiller Address: 55 SCHENCK STREET
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 9
DER Facility ID: 79786

SCHRECK'S SCRAPYARD (Continued) **1003864111**

DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 11/17/93: SAC DISCUSSED SITE W/BILL ROBLEE, HWR - HWR IS ONLY DEALING W/PCB SPILL AREA. OIL SEEPAGE BELOW. THEY WILL DEAL WITH HAZ. AREA FIRST. TANK EXCAVATION TO BE BACKFILLED, THEN WILL DISCUSS OIL SPILLAGE. 11/26/93: SAC DRAFTED MEMO TO PJB REQUESTING GUIDANCE AS TO WHO SHOULD FOLLOW-UP WITH REMEDIATION. 12/17/93: RESPONSE TO MEMO FROM E.J.SCIASCIA, HWR WILL WRITE MEMO AFTER J.HYDEN SPEAKS WITH MIKE CRUDEN/HWR-ALBANY, SCIASCIA BELIEVES THAT HWR SHOULD FOLLOW THROUGH WITH REMEDIATION. 02/08/94: SAC DRAFT MEMO FROM RNL TO PJB REQUESTING SITE BE ASSIGNED INACTIVE STATUS DUE TO IT BEING A JUNKYARD AND A HW SITE. 12/28/94: SAC/RNL SPILLS STATUS MEETING-12/21/94, NO ANSWER BACK FROM PJB, SAC CHECKED FILE TO BE SURE, THEN MAKE 'I' PER RNL. "

Remarks: "TANK PULLED; HOLE IN BOTTOM. CONTAMINATED WATER LEAKED OUT."

All Materials:

Site ID:	87041
Operable Unit ID:	991072
Operable Unit:	01
Material ID:	392179
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

ENG CONTROLS:

Name:	SCHRECK'S SCRAPYARD
Address:	55 SCHENCK STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Site Code:	56726
HW Code:	932099
Control Code:	36
Control Type:	ENG
Date Record Added:	12/31/2008
Date Rec Updated:	06/03/2020
Updated By:	BPSADOWS
Site Description:	Location: The 1.5 acre Schreck's Scrapyard Site is located at 55 Schenck Street in the City of North Tonawanda, Niagara County. The site is bordered by Schenk Street and the WestRock Company to the north, commercial buildings to the west and south, and vacant property to the east. The Niagara River is located approximately 800 feet west of the Site. Site Features: The topography of the site is relatively flat, with very little surface water runoff occurring. The site contains two building foundations that were not removed during remedial activities. Current Use and Zoning: The site is zoned for industrial use, and is currently being used as a parking lot for tractor trailers and personal vehicles of the WestRock CP, LLC Company, formerly RockTenn and now a subsidiary of WestRock. Surrounding properties include a mix of residential and light industrial parcels. Although no residential properties are located adjacent to the site, a residential neighborhood lies approximately one block to the east. Past Use of the Site: Schreck's Iron and Metal Company operated a scrap iron business at this site from 1951 to

SCHRECK'S SCRAPYARD (Continued) **1003864111**

1953. Site operations prior to this time are unknown. In 1953, the business was sold to Bengart and Menel, Inc., who reportedly continued the same operation until 1977. From 1951 until 1975, drums of phenolic waste from Occidental-Durez were reportedly brought to the site and subsequently hauled by the facility's trucks to local waste disposal facilities. In 1965, 50 to 60 drums of phenolic wastes were reportedly landfilled in an abandoned press pit. The pit was approximately 18 to 20 feet deep, and also contained building debris. Following the placement of the drums, the pit was reportedly covered with approximately two feet of soil. From 1960 to 1975, transformers from Niagara Mohawk Power Corporation were routinely brought to the site for salvage. The metal exterior was sheared and the oil was allowed to spill onto the ground surface. It was reported that the oil-soaked soils were periodically pushed by a bulldozer toward the eastern boundary of the property. Remedial History: In 1983, the Lawless Container Corporation retained a consultant to conduct a pre-purchase environmental audit of the former Schreck's Scrapyard property. Analyses from on-site soil samples revealed the presence of hazardous concentrations (greater than 50 parts per million) of polychlorinated biphenyls (PCBs), elevated concentrations of heavy metals, and the presence of cyanide, phenols and volatile organic compounds (VOCs). Based upon the results of this audit Lawless did not purchase the property. In 1986, the NYSDEC completed a Phase I Investigation of the site. Due to the presence of PCBs in site soil at hazardous concentrations, the Schreck s Scrapyard Site was listed as a Class 2 inactive hazardous waste site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry). In 1989, the NYSDEC completed a Remedial Investigation/Feasibility Study (RI/FS) of the site. This investigation delineated the extent of PCB contaminated soils, identified the presence of deteriorated drums in the abandoned press pit, and determined the extent of groundwater contamination resulting from the buried drums and contaminated soils. In September 1990, the NYSDEC issued a Record of Decision (ROD) for the site. In 1991, the Occidental Chemical Corporation completed the remediation of the press pit by removing 160 drums of phenolic resin wastes, 24 truck-loads of contaminated soil, and 7,000 gallons of contaminated liquids. In August 1993, the NYSDEC, under the State Superfund Program, began the excavation of contaminated soils from the Schreck's Scrapyard Site. This work was completed in January 1994, and included the removal and off-site disposal of 16,329 tons of both hazardous and non-hazardous soil and debris. In 2000, as part of the ongoing Operation and Maintenance Program at the site, the wooden roof covering the former press pit, which had deteriorated over the years, was removed. Debris and oily liquids, discovered at the bottom of the pit, were removed by a NYSDEC Spill Contractor. The press pit was backfilled with clean soil. The site was reclassed on June 29, 2015 to a Class C. Site Geology and Hydrogeology: The geology of the site consists primarily of lacustrine clay with thin seams of sand, silt and gravel that are discontinuous. Bedrock at the site was encountered at a depth of 40.5 feet below ground surface. Depth to groundwater in the shallow overburden ranges from 8.4 to 11.6 feet below ground surface. Groundwater in this zone generally flows to the west. Site Management: Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Site inspections are completed on a periodic basis. Institutional

SCHRECK'S SCRAPYARD (Continued) **1003864111**

	Control/Engineering Control certifications are also completed on a periodic basis.
Env Problem:	Nature and Extent of Contamination Prior to Completion of Remediation: Historically, some groundwater standard exceedances were documented for volatile organic compounds and metals. The geology and hydrogeology of the site, however, prevented the off-site migration of contaminants via shallow groundwater and prevented the regional bedrock aquifer from becoming impacted by site related contaminants. Post-Remediation: Groundwater contamination was addressed through a State Superfund remediation completed in January 1994. Excavation activities removed drummed wastes and contaminated soils from the site that were the source of the groundwater contamination. The cleanup goal was 10 ppm for PCBs. Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Long-term groundwater monitoring results indicate that the remedy remains protective of the environment. As a result, there are no current or potential future environmental exposure pathways associated with the site. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.
Health Problem:	Contact with site-related contaminants in soil is not expected as measures have been taken to remove the contaminants from the site. Groundwater use for drinking purposes is restricted and the area is served by a public water supply that is not affected by this site.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1951
Disp Term:	1977
Lat/Long:	43:01:47:0 / 78:52:41:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	8/27/2015 8:43:00 AM
Updated By:	gmmay
Own Op:	3
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	TENNIS SCHREKENGOST, BENGART AND MEM
Owner Address:	1091 CLINTON ST.
Owner Addr2:	Not reported
Owner City,St,Zip:	BUFFALO, NY 14206
Owner Country:	United States of America
Own Op:	1
Sub Type:	E
Owner Name:	MR. Dave Hromowyk
Owner Company:	WestRock CP, LLC
Owner Address:	51 Robinson Street
Owner Addr2:	Not reported
Owner City,St,Zip:	North Tonawanda, NY 14120
Owner Country:	United States of America
HW Code:	932099
Waste Type:	PCB'S
Waste Quantity:	UNKNOWN
Waste Code:	Not reported

SCHRECK'S SCRAPYARD (Continued) **1003864111**

HW Code: 932099
Waste Type: SOLVENTS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: PHENOLIC RESIN WASTE
Waste Quantity: APPROX. 130 DRUMS
Waste Code: Not reported
Crossref ID: 2014-08339
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 6/6/2014 12:18:00 PM
Record Updated: 6/6/2014 12:18:00 PM
Updated By: gmmay
Crossref ID: NYD981560931
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

INST CONTROL:
Name: SCHRECK'S SCRAPYARD
Address: 55 SCHENCK STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 56726
Control Name: Site Management Plan
HW Code: 932099
Control Code: 32
Control Type: INST
Dt record added: 12/31/2008
Dt rec updated: 06/03/2020
Updated By: BPSADOWS
Site Code: 56726
Site Description: Location: The 1.5 acre Schreck's Scrapyard Site is located at 55 Schenck Street in the City of North Tonawanda, Niagara County. The site is bordered by Schenk Street and the WestRock Company to the north, commercial buildings to the west and south, and vacant property to the east. The Niagara River is located approximately 800 feet west of the Site. Site Features: The topography of the site is relatively flat, with very little surface water runoff occurring. The site contains two building foundations that were not removed during remedial activities. Current Use and Zoning: The site is zoned for industrial use, and is currently being used as a parking lot for tractor trailers and personal vehicles of the WestRock CP, LLC Company, formerly RockTenn and now a subsidiary of WestRock. Surrounding properties include a mix of residential and light industrial parcels. Although no residential properties are located adjacent to the site, a residential neighborhood lies approximately one block to the east. Past Use of the Site: Schreck's Iron and Metal Company operated a scrap iron business at this site from 1951 to 1953. Site operations prior to this time are unknown. In 1953, the business was sold to Bengart and Menel, Inc., who reportedly continued the same operation until 1977. From 1951 until 1975, drums of phenolic waste from Occidental-Durez were reportedly brought to the site and subsequently hauled by the facility's trucks to local waste disposal facilities. In 1965, 50 to 60 drums of phenolic wastes

SCHRECK'S SCRAPYARD (Continued) **1003864111**

were reportedly landfilled in an abandoned press pit. The pit was approximately 18 to 20 feet deep, and also contained building debris. Following the placement of the drums, the pit was reportedly covered with approximately two feet of soil. From 1960 to 1975, transformers from Niagara Mohawk Power Corporation were routinely brought to the site for salvage. The metal exterior was sheared and the oil was allowed to spill onto the ground surface. It was reported that the oil-soaked soils were periodically pushed by a bulldozer toward the eastern boundary of the property. Remedial History: In 1983, the Lawless Container Corporation retained a consultant to conduct a pre-purchase environmental audit of the former Schreck's Scrapyard property. Analyses from on-site soil samples revealed the presence of hazardous concentrations (greater than 50 parts per million) of polychlorinated biphenyls (PCBs), elevated concentrations of heavy metals, and the presence of cyanide, phenols and volatile organic compounds (VOCs). Based upon the results of this audit Lawless did not purchase the property. In 1986, the NYSDEC completed a Phase I Investigation of the site. Due to the presence of PCBs in site soil at hazardous concentrations, the Schreck s Scrapyard Site was listed as a Class 2 inactive hazardous waste site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry). In 1989, the NYSDEC completed a Remedial Investigation/Feasibility Study (RI/FS) of the site. This investigation delineated the extent of PCB contaminated soils, identified the presence of deteriorated drums in the abandoned press pit, and determined the extent of groundwater contamination resulting from the buried drums and contaminated soils. In September 1990, the NYSDEC issued a Record of Decision (ROD) for the site. In 1991, the Occidental Chemical Corporation completed the remediation of the press pit by removing 160 drums of phenolic resin wastes, 24 truck-loads of contaminated soil, and 7,000 gallons of contaminated liquids. In August 1993, the NYSDEC, under the State Superfund Program, began the excavation of contaminated soils from the Schreck's Scrapyard Site. This work was completed in January 1994, and included the removal and off-site disposal of 16,329 tons of both hazardous and non-hazardous soil and debris. In 2000, as part of the ongoing Operation and Maintenance Program at the site, the wooden roof covering the former press pit, which had deteriorated over the years, was removed. Debris and oily liquids, discovered at the bottom of the pit, were removed by a NYSDEC Spill Contractor. The press pit was backfilled with clean soil. The site was reclassed on June 29, 2015 to a Class C. Site Geology and Hydrogeology: The geology of the site consists primarily of lacustrine clay with thin seams of sand, silt and gravel that are discontinuous. Bedrock at the site was encountered at a depth of 40.5 feet below ground surface. Depth to groundwater in the shallow overburden ranges from 8.4 to 11.6 feet below ground surface. Groundwater in this zone generally flows to the west. Site Management: Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.

Env Problem: Nature and Extent of Contamination Prior to Completion of Remediation: Historically, some groundwater standard exceedances were documented for volatile organic compounds and metals. The geology and hydrogeology of the site, however, prevented the off-site migration

SCHRECK'S SCRAPYARD (Continued) **1003864111**

of contaminants via shallow groundwater and prevented the regional bedrock aquifer from becoming impacted by site related contaminants. Post-Remediation: Groundwater contamination was addressed through a State Superfund remediation completed in January 1994. Excavation activities removed drummed wastes and contaminated soils from the site that were the source of the groundwater contamination. The cleanup goal was 10 ppm for PCBs. Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Long-term groundwater monitoring results indicate that the remedy remains protective of the environment. As a result, there are no current or potential future environmental exposure pathways associated with the site. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.

Health Problem: Contact with site-related contaminants in soil is not expected as measures have been taken to remove the contaminants from the site. Groundwater use for drinking purposes is restricted and the area is served by a public water supply that is not affected by this site.
Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1951
Disp Term: 1977
Lat/Long: 43:01:47:0 / 78:52:41:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 8/27/2015 8:43:00 AM
Updated By: gmmay
Own Op: 3
Sub Type: NNN
Owner Name: Not reported
Owner Company: TENNIS SCHREKENGOST, BENGART AND MEM
Owner Address: 1091 CLINTON ST.
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14206
Owner Country: United States of America
Own Op: 1
Sub Type: E
Owner Name: MR. Dave Hromowyk
Owner Company: WestRock CP, LLC
Owner Address: 51 Robinson Street
Owner Addr2: Not reported
Owner City,St,Zip: North Tonawanda, NY 14120
Owner Country: United States of America
HW Code: 932099
Waste Type: PCB'S
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: SOLVENTS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: PHENOLIC RESIN WASTE

SCHRECK'S SCRAPYARD (Continued) **1003864111**

Waste Quantity: APPROX. 130 DRUMS
Waste Code: Not reported
Crossref ID: 2014-08339
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 6/6/2014 12:18:00 PM
Record Updated: 6/6/2014 12:18:00 PM
Updated By: gmmay
Crossref ID: NYD981560931
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

Name: SCHRECK'S SCRAPYARD
Address: 55 SCHENCK STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 56726
Control Name: Deed Restriction
HW Code: 932099
Control Code: Not reported
Control Type: INST
Dt record added: 12/31/2008
Dt rec updated: 06/03/2020
Updated By: BPSADOWS
Site Code: 56726
Site Description: Location: The 1.5 acre Schreck's Scrapyard Site is located at 55 Schenck Street in the City of North Tonawanda, Niagara County. The site is bordered by Schenk Street and the WestRock Company to the north, commercial buildings to the west and south, and vacant property to the east. The Niagara River is located approximately 800 feet west of the Site. Site Features: The topography of the site is relatively flat, with very little surface water runoff occurring. The site contains two building foundations that were not removed during remedial activities. Current Use and Zoning: The site is zoned for industrial use, and is currently being used as a parking lot for tractor trailers and personal vehicles of the WestRock CP, LLC Company, formerly RockTenn and now a subsidiary of WestRock. Surrounding properties include a mix of residential and light industrial parcels. Although no residential properties are located adjacent to the site, a residential neighborhood lies approximately one block to the east. Past Use of the Site: Schreck's Iron and Metal Company operated a scrap iron business at this site from 1951 to 1953. Site operations prior to this time are unknown. In 1953, the business was sold to Bengart and Menel, Inc., who reportedly continued the same operation until 1977. From 1951 until 1975, drums of phenolic waste from Occidental-Durez were reportedly brought to the site and subsequently hauled by the facility's trucks to local waste disposal facilities. In 1965, 50 to 60 drums of phenolic wastes were reportedly landfilled in an abandoned press pit. The pit was approximately 18 to 20 feet deep, and also contained building debris. Following the placement of the drums, the pit was reportedly covered with approximately two feet of soil. From 1960 to 1975, transformers from Niagara Mohawk Power Corporation were routinely brought to the site for salvage. The metal exterior was sheared and the oil was allowed to spill onto the ground surface. It was reported that the

SCHRECK'S SCRAPYARD (Continued) **1003864111**

oil-soaked soils were periodically pushed by a bulldozer toward the eastern boundary of the property. Remedial History: In 1983, the Lawless Container Corporation retained a consultant to conduct a pre-purchase environmental audit of the former Schreck's Scrapyard property. Analyses from on-site soil samples revealed the presence of hazardous concentrations (greater than 50 parts per million) of polychlorinated biphenyls (PCBs), elevated concentrations of heavy metals, and the presence of cyanide, phenols and volatile organic compounds (VOCs). Based upon the results of this audit Lawless did not purchase the property. In 1986, the NYSDEC completed a Phase I Investigation of the site. Due to the presence of PCBs in site soil at hazardous concentrations, the Schreck s Scrapyard Site was listed as a Class 2 inactive hazardous waste site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry). In 1989, the NYSDEC completed a Remedial Investigation/Feasibility Study (RI/FS) of the site. This investigation delineated the extent of PCB contaminated soils, identified the presence of deteriorated drums in the abandoned press pit, and determined the extent of groundwater contamination resulting from the buried drums and contaminated soils. In September 1990, the NYSDEC issued a Record of Decision (ROD) for the site. In 1991, the Occidental Chemical Corporation completed the remediation of the press pit by removing 160 drums of phenolic resin wastes, 24 truck-loads of contaminated soil, and 7,000 gallons of contaminated liquids. In August 1993, the NYSDEC, under the State Superfund Program, began the excavation of contaminated soils from the Schreck's Scrapyard Site. This work was completed in January 1994, and included the removal and off-site disposal of 16,329 tons of both hazardous and non-hazardous soil and debris. In 2000, as part of the ongoing Operation and Maintenance Program at the site, the wooden roof covering the former press pit, which had deteriorated over the years, was removed. Debris and oily liquids, discovered at the bottom of the pit, were removed by a NYSDEC Spill Contractor. The press pit was backfilled with clean soil. The site was reclassed on June 29, 2015 to a Class C. Site Geology and Hydrogeology: The geology of the site consists primarily of lacustrine clay with thin seams of sand, silt and gravel that are discontinuous. Bedrock at the site was encountered at a depth of 40.5 feet below ground surface. Depth to groundwater in the shallow overburden ranges from 8.4 to 11.6 feet below ground surface. Groundwater in this zone generally flows to the west. Site Management: Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.

Env Problem: Nature and Extent of Contamination Prior to Completion of Remediation: Historically, some groundwater standard exceedances were documented for volatile organic compounds and metals. The geology and hydrogeology of the site, however, prevented the off-site migration of contaminants via shallow groundwater and prevented the regional bedrock aquifer from becoming impacted by site related contaminants. Post-Remediation: Groundwater contamination was addressed through a State Superfund remediation completed in January 1994. Excavation activities removed drummed wastes and contaminated soils from the site that were the source of the groundwater contamination. The cleanup goal was 10 ppm for PCBs. Long-term groundwater monitoring

SCHRECK'S SCRAPYARD (Continued) **1003864111**

(Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Long-term groundwater monitoring results indicate that the remedy remains protective of the environment. As a result, there are no current or potential future environmental exposure pathways associated with the site. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.

Health Problem: Contact with site-related contaminants in soil is not expected as measures have been taken to remove the contaminants from the site. Groundwater use for drinking purposes is restricted and the area is served by a public water supply that is not affected by this site.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1951
Disp Term: 1977
Lat/Long: 43:01:47:0 / 78:52:41:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 8/27/2015 8:43:00 AM
Updated By: gmmay
Own Op: 3
Sub Type: NNN
Owner Name: Not reported
Owner Company: TENNIS SCHREKENGOST, BENGART AND MEM
Owner Address: 1091 CLINTON ST.
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14206
Owner Country: United States of America
Own Op: 1
Sub Type: E
Owner Name: MR. Dave Hromowyk
Owner Company: WestRock CP, LLC
Owner Address: 51 Robinson Street
Owner Addr2: Not reported
Owner City,St,Zip: North Tonawanda, NY 14120
Owner Country: United States of America
HW Code: 932099
Waste Type: PCB'S
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: SOLVENTS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: PHENOLIC RESIN WASTE
Waste Quantity: APPROX. 130 DRUMS
Waste Code: Not reported
Crossref ID: 2014-08339
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 6/6/2014 12:18:00 PM
Record Updated: 6/6/2014 12:18:00 PM

SCHRECK'S SCRAPYARD (Continued) **1003864111**

Updated By: gmmay
Crossref ID: NYD981560931
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

Name: SCHRECK'S SCRAPYARD
Address: 55 SCHENCK STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 56726
Control Name: IC/EC Plan
HW Code: 932099
Control Code: 34
Control Type: INST
Dt record added: 12/31/2008
Dt rec updated: 06/03/2020
Updated By: BPSADOWS
Site Code: 56726
Site Description: Location: The 1.5 acre Schreck's Scrapyard Site is located at 55 Schenck Street in the City of North Tonawanda, Niagara County. The site is bordered by Schenk Street and the WestRock Company to the north, commercial buildings to the west and south, and vacant property to the east. The Niagara River is located approximately 800 feet west of the Site. Site Features: The topography of the site is relatively flat, with very little surface water runoff occurring. The site contains two building foundations that were not removed during remedial activities. Current Use and Zoning: The site is zoned for industrial use, and is currently being used as a parking lot for tractor trailers and personal vehicles of the WestRock CP, LLC Company, formerly RockTenn and now a subsidiary of WestRock. Surrounding properties include a mix of residential and light industrial parcels. Although no residential properties are located adjacent to the site, a residential neighborhood lies approximately one block to the east. Past Use of the Site: Schreck's Iron and Metal Company operated a scrap iron business at this site from 1951 to 1953. Site operations prior to this time are unknown. In 1953, the business was sold to Bengart and Menel, Inc., who reportedly continued the same operation until 1977. From 1951 until 1975, drums of phenolic waste from Occidental-Durez were reportedly brought to the site and subsequently hauled by the facility's trucks to local waste disposal facilities. In 1965, 50 to 60 drums of phenolic wastes were reportedly landfilled in an abandoned press pit. The pit was approximately 18 to 20 feet deep, and also contained building debris. Following the placement of the drums, the pit was reportedly covered with approximately two feet of soil. From 1960 to 1975, transformers from Niagara Mohawk Power Corporation were routinely brought to the site for salvage. The metal exterior was sheared and the oil was allowed to spill onto the ground surface. It was reported that the oil-soaked soils were periodically pushed by a bulldozer toward the eastern boundary of the property. Remedial History: In 1983, the Lawless Container Corporation retained a consultant to conduct a pre-purchase environmental audit of the former Schreck's Scrapyard property. Analyses from on-site soil samples revealed the presence of hazardous concentrations (greater than 50 parts per million) of polychlorinated biphenyls (PCBs), elevated concentrations of heavy

SCHRECK'S SCRAPYARD (Continued) **1003864111**

metals, and the presence of cyanide, phenols and volatile organic compounds (VOCs). Based upon the results of this audit Lawless did not purchase the property. In 1986, the NYSDEC completed a Phase I Investigation of the site. Due to the presence of PCBs in site soil at hazardous concentrations, the Schreck s Scrapyard Site was listed as a Class 2 inactive hazardous waste site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry). In 1989, the NYSDEC completed a Remedial Investigation/Feasibility Study (RI/FS) of the site. This investigation delineated the extent of PCB contaminated soils, identified the presence of deteriorated drums in the abandoned press pit, and determined the extent of groundwater contamination resulting from the buried drums and contaminated soils. In September 1990, the NYSDEC issued a Record of Decision (ROD) for the site. In 1991, the Occidental Chemical Corporation completed the remediation of the press pit by removing 160 drums of phenolic resin wastes, 24 truck-loads of contaminated soil, and 7,000 gallons of contaminated liquids. In August 1993, the NYSDEC, under the State Superfund Program, began the excavation of contaminated soils from the Schreck's Scrapyard Site. This work was completed in January 1994, and included the removal and off-site disposal of 16,329 tons of both hazardous and non-hazardous soil and debris. In 2000, as part of the ongoing Operation and Maintenance Program at the site, the wooden roof covering the former press pit, which had deteriorated over the years, was removed. Debris and oily liquids, discovered at the bottom of the pit, were removed by a NYSDEC Spill Contractor. The press pit was backfilled with clean soil. The site was reclassed on June 29, 2015 to a Class C. Site Geology and Hydrogeology: The geology of the site consists primarily of lacustrine clay with thin seams of sand, silt and gravel that are discontinuous. Bedrock at the site was encountered at a depth of 40.5 feet below ground surface. Depth to groundwater in the shallow overburden ranges from 8.4 to 11.6 feet below ground surface. Groundwater in this zone generally flows to the west. Site Management: Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.

Env Problem: Nature and Extent of Contamination Prior to Completion of Remediation: Historically, some groundwater standard exceedances were documented for volatile organic compounds and metals. The geology and hydrogeology of the site, however, prevented the off-site migration of contaminants via shallow groundwater and prevented the regional bedrock aquifer from becoming impacted by site related contaminants. Post-Remediation: Groundwater contamination was addressed through a State Superfund remediation completed in January 1994. Excavation activities removed drummed wastes and contaminated soils from the site that were the source of the groundwater contamination. The cleanup goal was 10 ppm for PCBs. Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Long-term groundwater monitoring results indicate that the remedy remains protective of the environment. As a result, there are no current or potential future environmental exposure pathways associated with the site. Site inspections are completed on a periodic basis. Institutional Control/Engineering

SCHRECK'S SCRAPYARD (Continued) **1003864111**

Control certifications are also completed on a periodic basis.
Health Problem: Contact with site-related contaminants in soil is not expected as measures have been taken to remove the contaminants from the site. Groundwater use for drinking purposes is restricted and the area is served by a public water supply that is not affected by this site.
Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1951
Disp Term: 1977
Lat/Long: 43:01:47:0 / 78:52:41:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 8/27/2015 8:43:00 AM
Updated By: gmmay
Own Op: 3
Sub Type: NNN
Owner Name: Not reported
Owner Company: TENNIS SCHREKENGOST, BENGART AND MEM
Owner Address: 1091 CLINTON ST.
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14206
Owner Country: United States of America
Own Op: 1
Sub Type: E
Owner Name: MR. Dave Hromowyk
Owner Company: WestRock CP, LLC
Owner Address: 51 Robinson Street
Owner Addr2: Not reported
Owner City,St,Zip: North Tonawanda, NY 14120
Owner Country: United States of America
HW Code: 932099
Waste Type: PCB'S
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: SOLVENTS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: PHENOLIC RESIN WASTE
Waste Quantity: APPROX. 130 DRUMS
Waste Code: Not reported
Crossref ID: 2014-08339
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 6/6/2014 12:18:00 PM
Record Updated: 6/6/2014 12:18:00 PM
Updated By: gmmay
Crossref ID: NYD981560931
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

SCHRECK'S SCRAPYARD (Continued) **1003864111**

Name: SCHRECK'S SCRAPYARD
Address: 55 SCHENCK STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 56726
Control Name: Landuse Restriction
HW Code: 932099
Control Code: 25
Control Type: INST
Dt record added: 12/31/2008
Dt rec updated: 06/03/2020
Updated By: BPSADOWS
Site Code: 56726
Site Description: Location: The 1.5 acre Schreck's Scrapyard Site is located at 55 Schenck Street in the City of North Tonawanda, Niagara County. The site is bordered by Schenk Street and the WestRock Company to the north, commercial buildings to the west and south, and vacant property to the east. The Niagara River is located approximately 800 feet west of the Site. Site Features: The topography of the site is relatively flat, with very little surface water runoff occurring. The site contains two building foundations that were not removed during remedial activities. Current Use and Zoning: The site is zoned for industrial use, and is currently being used as a parking lot for tractor trailers and personal vehicles of the WestRock CP, LLC Company, formerly RockTenn and now a subsidiary of WestRock. Surrounding properties include a mix of residential and light industrial parcels. Although no residential properties are located adjacent to the site, a residential neighborhood lies approximately one block to the east. Past Use of the Site: Schreck's Iron and Metal Company operated a scrap iron business at this site from 1951 to 1953. Site operations prior to this time are unknown. In 1953, the business was sold to Bengart and Menel, Inc., who reportedly continued the same operation until 1977. From 1951 until 1975, drums of phenolic waste from Occidental-Durez were reportedly brought to the site and subsequently hauled by the facility's trucks to local waste disposal facilities. In 1965, 50 to 60 drums of phenolic wastes were reportedly landfilled in an abandoned press pit. The pit was approximately 18 to 20 feet deep, and also contained building debris. Following the placement of the drums, the pit was reportedly covered with approximately two feet of soil. From 1960 to 1975, transformers from Niagara Mohawk Power Corporation were routinely brought to the site for salvage. The metal exterior was sheared and the oil was allowed to spill onto the ground surface. It was reported that the oil-soaked soils were periodically pushed by a bulldozer toward the eastern boundary of the property. Remedial History: In 1983, the Lawless Container Corporation retained a consultant to conduct a pre-purchase environmental audit of the former Schreck's Scrapyard property. Analyses from on-site soil samples revealed the presence of hazardous concentrations (greater than 50 parts per million) of polychlorinated biphenyls (PCBs), elevated concentrations of heavy metals, and the presence of cyanide, phenols and volatile organic compounds (VOCs). Based upon the results of this audit Lawless did not purchase the property. In 1986, the NYSDEC completed a Phase I Investigation of the site. Due to the presence of PCBs in site soil at hazardous concentrations, the Schreck s Scrapyard Site was listed as a Class 2 inactive hazardous waste site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry). In 1989, the NYSDEC completed a Remedial Investigation/Feasibility

SCHRECK'S SCRAPYARD (Continued) **1003864111**

Study (RI/FS) of the site. This investigation delineated the extent of PCB contaminated soils, identified the presence of deteriorated drums in the abandoned press pit, and determined the extent of groundwater contamination resulting from the buried drums and contaminated soils. In September 1990, the NYSDEC issued a Record of Decision (ROD) for the site. In 1991, the Occidental Chemical Corporation completed the remediation of the press pit by removing 160 drums of phenolic resin wastes, 24 truck-loads of contaminated soil, and 7,000 gallons of contaminated liquids. In August 1993, the NYSDEC, under the State Superfund Program, began the excavation of contaminated soils from the Schreck's Scrapyard Site. This work was completed in January 1994, and included the removal and off-site disposal of 16,329 tons of both hazardous and non-hazardous soil and debris. In 2000, as part of the ongoing Operation and Maintenance Program at the site, the wooden roof covering the former press pit, which had deteriorated over the years, was removed. Debris and oily liquids, discovered at the bottom of the pit, were removed by a NYSDEC Spill Contractor. The press pit was backfilled with clean soil. The site was reclassed on June 29, 2015 to a Class C. Site Geology and Hydrogeology: The geology of the site consists primarily of lacustrine clay with thin seams of sand, silt and gravel that are discontinuous. Bedrock at the site was encountered at a depth of 40.5 feet below ground surface. Depth to groundwater in the shallow overburden ranges from 8.4 to 11.6 feet below ground surface. Groundwater in this zone generally flows to the west. Site Management: Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.

Env Problem: Nature and Extent of Contamination Prior to Completion of Remediation: Historically, some groundwater standard exceedances were documented for volatile organic compounds and metals. The geology and hydrogeology of the site, however, prevented the off-site migration of contaminants via shallow groundwater and prevented the regional bedrock aquifer from becoming impacted by site related contaminants. Post-Remediation: Groundwater contamination was addressed through a State Superfund remediation completed in January 1994. Excavation activities removed drummed wastes and contaminated soils from the site that were the source of the groundwater contamination. The cleanup goal was 10 ppm for PCBs. Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Long-term groundwater monitoring results indicate that the remedy remains protective of the environment. As a result, there are no current or potential future environmental exposure pathways associated with the site. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.

Health Problem: Contact with site-related contaminants in soil is not expected as measures have been taken to remove the contaminants from the site. Groundwater use for drinking purposes is restricted and the area is served by a public water supply that is not affected by this site.

Dump: True
Structure: False
Lagoon: False

SCHRECK'S SCRAPYARD (Continued) **1003864111**

Landfill: False
Pond: False
Disp Start: 1951
Disp Term: 1977
Lat/Long: 43:01:47:0 / 78:52:41:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 8/27/2015 8:43:00 AM
Updated By: gmmay
Own Op: 3
Sub Type: NNN
Owner Name: Not reported
Owner Company: TENNIS SCHREKENGOST, BENGART AND MEM
Owner Address: 1091 CLINTON ST.
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14206
Owner Country: United States of America
Own Op: 1
Sub Type: E
Owner Name: MR. Dave Hromowyk
Owner Company: WestRock CP, LLC
Owner Address: 51 Robinson Street
Owner Addr2: Not reported
Owner City,St,Zip: North Tonawanda, NY 14120
Owner Country: United States of America
HW Code: 932099
Waste Type: PCB'S
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: SOLVENTS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: PHENOLIC RESIN WASTE
Waste Quantity: APPROX. 130 DRUMS
Waste Code: Not reported
Crossref ID: 2014-08339
Cross Ref Type Code: 25
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Crossref ID: NYD981560931
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

Name: SCHRECK'S SCRAPYARD
Address: 55 SCHENCK STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 56726
Control Name: Ground Water Use Restriction
HW Code: 932099
Control Code: 8

SCHRECK'S SCRAPYARD (Continued) **1003864111**

Control Type: INST
Dt record added: 12/31/2008
Dt rec updated: 06/03/2020
Updated By: BPSADOWS
Site Code: 56726
Site Description: Location: The 1.5 acre Schreck's Scrapyard Site is located at 55 Schenck Street in the City of North Tonawanda, Niagara County. The site is bordered by Schenk Street and the WestRock Company to the north, commercial buildings to the west and south, and vacant property to the east. The Niagara River is located approximately 800 feet west of the Site. Site Features: The topography of the site is relatively flat, with very little surface water runoff occurring. The site contains two building foundations that were not removed during remedial activities. Current Use and Zoning: The site is zoned for industrial use, and is currently being used as a parking lot for tractor trailers and personal vehicles of the WestRock CP, LLC Company, formerly RockTenn and now a subsidiary of WestRock. Surrounding properties include a mix of residential and light industrial parcels. Although no residential properties are located adjacent to the site, a residential neighborhood lies approximately one block to the east. Past Use of the Site: Schreck's Iron and Metal Company operated a scrap iron business at this site from 1951 to 1953. Site operations prior to this time are unknown. In 1953, the business was sold to Bengart and Menel, Inc., who reportedly continued the same operation until 1977. From 1951 until 1975, drums of phenolic waste from Occidental-Durez were reportedly brought to the site and subsequently hauled by the facility's trucks to local waste disposal facilities. In 1965, 50 to 60 drums of phenolic wastes were reportedly landfilled in an abandoned press pit. The pit was approximately 18 to 20 feet deep, and also contained building debris. Following the placement of the drums, the pit was reportedly covered with approximately two feet of soil. From 1960 to 1975, transformers from Niagara Mohawk Power Corporation were routinely brought to the site for salvage. The metal exterior was sheared and the oil was allowed to spill onto the ground surface. It was reported that the oil-soaked soils were periodically pushed by a bulldozer toward the eastern boundary of the property. Remedial History: In 1983, the Lawless Container Corporation retained a consultant to conduct a pre-purchase environmental audit of the former Schreck's Scrapyard property. Analyses from on-site soil samples revealed the presence of hazardous concentrations (greater than 50 parts per million) of polychlorinated biphenyls (PCBs), elevated concentrations of heavy metals, and the presence of cyanide, phenols and volatile organic compounds (VOCs). Based upon the results of this audit Lawless did not purchase the property. In 1986, the NYSDEC completed a Phase I Investigation of the site. Due to the presence of PCBs in site soil at hazardous concentrations, the Schreck s Scrapyard Site was listed as a Class 2 inactive hazardous waste site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry). In 1989, the NYSDEC completed a Remedial Investigation/Feasibility Study (RI/FS) of the site. This investigation delineated the extent of PCB contaminated soils, identified the presence of deteriorated drums in the abandoned press pit, and determined the extent of groundwater contamination resulting from the buried drums and contaminated soils. In September 1990, the NYSDEC issued a Record of Decision (ROD) for the site. In 1991, the Occidental Chemical Corporation completed the remediation of the press pit by removing

SCHRECK'S SCRAPYARD (Continued) **1003864111**

160 drums of phenolic resin wastes, 24 truck-loads of contaminated soil, and 7,000 gallons of contaminated liquids. In August 1993, the NYSDEC, under the State Superfund Program, began the excavation of contaminated soils from the Schreck's Scrapyard Site. This work was completed in January 1994, and included the removal and off-site disposal of 16,329 tons of both hazardous and non-hazardous soil and debris. In 2000, as part of the ongoing Operation and Maintenance Program at the site, the wooden roof covering the former press pit, which had deteriorated over the years, was removed. Debris and oily liquids, discovered at the bottom of the pit, were removed by a NYSDEC Spill Contractor. The press pit was backfilled with clean soil. The site was reclassed on June 29, 2015 to a Class C. Site Geology and Hydrogeology: The geology of the site consists primarily of lacustrine clay with thin seams of sand, silt and gravel that are discontinuous. Bedrock at the site was encountered at a depth of 40.5 feet below ground surface. Depth to groundwater in the shallow overburden ranges from 8.4 to 11.6 feet below ground surface. Groundwater in this zone generally flows to the west. Site Management: Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.

Env Problem: Nature and Extent of Contamination Prior to Completion of Remediation: Historically, some groundwater standard exceedances were documented for volatile organic compounds and metals. The geology and hydrogeology of the site, however, prevented the off-site migration of contaminants via shallow groundwater and prevented the regional bedrock aquifer from becoming impacted by site related contaminants. Post-Remediation: Groundwater contamination was addressed through a State Superfund remediation completed in January 1994. Excavation activities removed drummed wastes and contaminated soils from the site that were the source of the groundwater contamination. The cleanup goal was 10 ppm for PCBs. Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Long-term groundwater monitoring results indicate that the remedy remains protective of the environment. As a result, there are no current or potential future environmental exposure pathways associated with the site. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.

Health Problem: Contact with site-related contaminants in soil is not expected as measures have been taken to remove the contaminants from the site. Groundwater use for drinking purposes is restricted and the area is served by a public water supply that is not affected by this site.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1951
Disp Term: 1977
Lat/Long: 43:01:47:0 / 78:52:41:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM

SCHRECK'S SCRAPYARD (Continued) **1003864111**

Record Upd: 8/27/2015 8:43:00 AM
Updated By: gmmay
Own Op: 3
Sub Type: NNN
Owner Name: Not reported
Owner Company: TENNIS SCHREKENGOST, BENGART AND MEM
Owner Address: 1091 CLINTON ST.
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14206
Owner Country: United States of America
Own Op: 1
Sub Type: E
Owner Name: MR. Dave Hromowyk
Owner Company: WestRock CP, LLC
Owner Address: 51 Robinson Street
Owner Addr2: Not reported
Owner City,St,Zip: North Tonawanda, NY 14120
Owner Country: United States of America
HW Code: 932099
Waste Type: PCB'S
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: SOLVENTS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: PHENOLIC RESIN WASTE
Waste Quantity: APPROX. 130 DRUMS
Waste Code: Not reported
Crossref ID: 2014-08339
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 6/6/2014 12:18:00 PM
Record Updated: 6/6/2014 12:18:00 PM
Updated By: gmmay
Crossref ID: NYD981560931
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

Name: SCHRECK'S SCRAPYARD
Address: 55 SCHENCK STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 56726
Control Name: Soil Management Plan
HW Code: 932099
Control Code: 14
Control Type: INST
Dt record added: 12/31/2008
Dt rec updated: 06/03/2020
Updated By: BPSADOWS
Site Code: 56726
Site Description: Location: The 1.5 acre Schreck's Scrapyard Site is located at 55 Schenck Street in the City of North Tonawanda, Niagara County. The

SCHRECK'S SCRAPYARD (Continued) **1003864111**

site is bordered by Schenk Street and the WestRock Company to the north, commercial buildings to the west and south, and vacant property to the east. The Niagara River is located approximately 800 feet west of the Site. Site Features: The topography of the site is relatively flat, with very little surface water runoff occurring. The site contains two building foundations that were not removed during remedial activities. Current Use and Zoning: The site is zoned for industrial use, and is currently being used as a parking lot for tractor trailers and personal vehicles of the WestRock CP, LLC Company, formerly RockTenn and now a subsidiary of WestRock. Surrounding properties include a mix of residential and light industrial parcels. Although no residential properties are located adjacent to the site, a residential neighborhood lies approximately one block to the east. Past Use of the Site: Schreck's Iron and Metal Company operated a scrap iron business at this site from 1951 to 1953. Site operations prior to this time are unknown. In 1953, the business was sold to Bengart and Menel, Inc., who reportedly continued the same operation until 1977. From 1951 until 1975, drums of phenolic waste from Occidental-Durez were reportedly brought to the site and subsequently hauled by the facility's trucks to local waste disposal facilities. In 1965, 50 to 60 drums of phenolic wastes were reportedly landfilled in an abandoned press pit. The pit was approximately 18 to 20 feet deep, and also contained building debris. Following the placement of the drums, the pit was reportedly covered with approximately two feet of soil. From 1960 to 1975, transformers from Niagara Mohawk Power Corporation were routinely brought to the site for salvage. The metal exterior was sheared and the oil was allowed to spill onto the ground surface. It was reported that the oil-soaked soils were periodically pushed by a bulldozer toward the eastern boundary of the property. Remedial History: In 1983, the Lawless Container Corporation retained a consultant to conduct a pre-purchase environmental audit of the former Schreck's Scrapyard property. Analyses from on-site soil samples revealed the presence of hazardous concentrations (greater than 50 parts per million) of polychlorinated biphenyls (PCBs), elevated concentrations of heavy metals, and the presence of cyanide, phenols and volatile organic compounds (VOCs). Based upon the results of this audit Lawless did not purchase the property. In 1986, the NYSDEC completed a Phase I Investigation of the site. Due to the presence of PCBs in site soil at hazardous concentrations, the Schreck s Scrapyard Site was listed as a Class 2 inactive hazardous waste site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry). In 1989, the NYSDEC completed a Remedial Investigation/Feasibility Study (RI/FS) of the site. This investigation delineated the extent of PCB contaminated soils, identified the presence of deteriorated drums in the abandoned press pit, and determined the extent of groundwater contamination resulting from the buried drums and contaminated soils. In September 1990, the NYSDEC issued a Record of Decision (ROD) for the site. In 1991, the Occidental Chemical Corporation completed the remediation of the press pit by removing 160 drums of phenolic resin wastes, 24 truck-loads of contaminated soil, and 7,000 gallons of contaminated liquids. In August 1993, the NYSDEC, under the State Superfund Program, began the excavation of contaminated soils from the Schreck's Scrapyard Site. This work was completed in January 1994, and included the removal and off-site disposal of 16,329 tons of both hazardous and non-hazardous soil and debris. In 2000, as part of the ongoing Operation and Maintenance

SCHRECK'S SCRAPYARD (Continued) **1003864111**

Program at the site, the wooden roof covering the former press pit, which had deteriorated over the years, was removed. Debris and oily liquids, discovered at the bottom of the pit, were removed by a NYSDEC Spill Contractor. The press pit was backfilled with clean soil. The site was reclassed on June 29, 2015 to a Class C. Site Geology and Hydrogeology: The geology of the site consists primarily of lacustrine clay with thin seams of sand, silt and gravel that are discontinuous. Bedrock at the site was encountered at a depth of 40.5 feet below ground surface. Depth to groundwater in the shallow overburden ranges from 8.4 to 11.6 feet below ground surface. Groundwater in this zone generally flows to the west. Site Management: Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.

Env Problem: Nature and Extent of Contamination Prior to Completion of Remediation: Historically, some groundwater standard exceedances were documented for volatile organic compounds and metals. The geology and hydrogeology of the site, however, prevented the off-site migration of contaminants via shallow groundwater and prevented the regional bedrock aquifer from becoming impacted by site related contaminants. Post-Remediation: Groundwater contamination was addressed through a State Superfund remediation completed in January 1994. Excavation activities removed drummed wastes and contaminated soils from the site that were the source of the groundwater contamination. The cleanup goal was 10 ppm for PCBs. Long-term groundwater monitoring (Site Management) of the site began in 1995. This activity was completed by the NYSDEC until 2002, and by the current site owner from 2009 until 2013. Long-term groundwater monitoring results indicate that the remedy remains protective of the environment. As a result, there are no current or potential future environmental exposure pathways associated with the site. Site inspections are completed on a periodic basis. Institutional Control/Engineering Control certifications are also completed on a periodic basis.

Health Problem: Contact with site-related contaminants in soil is not expected as measures have been taken to remove the contaminants from the site. Groundwater use for drinking purposes is restricted and the area is served by a public water supply that is not affected by this site.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1951
Disp Term: 1977
Lat/Long: 43:01:47:0 / 78:52:41:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 8/27/2015 8:43:00 AM
Updated By: gmmay
Own Op: 3
Sub Type: NNN
Owner Name: Not reported
Owner Company: TENNIS SCHREKENGOST, BENGART AND MEM
Owner Address: 1091 CLINTON ST.

SCHRECK'S SCRAPYARD (Continued) **1003864111**

Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14206
Owner Country: United States of America
Own Op: 1
Sub Type: E
Owner Name: MR. Dave Hromowyk
Owner Company: WestRock CP, LLC
Owner Address: 51 Robinson Street
Owner Addr2: Not reported
Owner City,St,Zip: North Tonawanda, NY 14120
Owner Country: United States of America
HW Code: 932099
Waste Type: PCB'S
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: SOLVENTS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932099
Waste Type: PHENOLIC RESIN WASTE
Waste Quantity: APPROX. 130 DRUMS
Waste Code: Not reported
Crossref ID: 2014-08339
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 6/6/2014 12:18:00 PM
Record Updated: 6/6/2014 12:18:00 PM
Updated By: gmmay
Crossref ID: NYD981560931
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

RCRA NonGen / NLR:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	NYS DEC SCHRECK'S SCRAPYARD SITE
Handler Address:	55 SCHENCK STREET
Handler City,State,Zip:	NORTH TONAWANDA, NY 14202-0000
EPA ID:	NYD981560931
Contact Name:	MICHAEL CRUDEN
Contact Address:	50 WOLF ROAD RM 205
Contact City,State,Zip:	ALBANY, NY 12233-7010
Contact Telephone:	518-457-9285
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

SCHRECK'S SCRAPYARD (Continued) **1003864111**

State District:	NYSDEC R9
Mailing Address:	50 WOLF ROAD RM 205
Mailing City,State,Zip:	ALBANY, NY 12233-7010
Owner Name:	Not reported
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:	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

SCHRECK'S SCRAPYARD (Continued) **1003864111**

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

Historic Generators:

Receive Date: 2006-01-01 00:00:00.0
Handler Name: NYS DEC SCHRECK'S SCRAPYARD SITE
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: NYS DEC SCHRECK'S SCRAPYARD SITE
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: 1994-02-21 00:00:00.0
Handler Name: NYS DEC SCHRECK'S SCRAPYARD SITE
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: 23593
NAICS Description: EXCAVATION CONTRACTORS

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

SCHRECK'S SCRAPYARD (Continued) **1003864111**

Evaluations: No Evaluations Found

NY MANIFEST:

Name:	NYSDEC
Address:	55 SCHENCK STREET
City,State,Zip:	NORTH TONAWANDA, NY 14202-0000
Country:	USA
EPA ID:	NYD981560931
Facility Status:	Not reported
Location Address 1:	55 SCHENK STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	N TONAWANDA
Location State:	NY
Location Zip:	14150
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD981560931
Mailing Name:	NYSDEC
Mailing Contact:	KARLA ALVAREZ
Mailing Address 1:	55 SCHENK ST
Mailing Address 2:	Not reported
Mailing City:	TONAWANDA
Mailing State:	NY
Mailing Zip:	14150
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7167430582

NY MANIFEST:

Document ID:	NYB6364503
Manifest Status:	C
seq:	Not reported
Year:	1994
Trans1 State ID:	NY60337S
Trans2 State ID:	Not reported
Generator Ship Date:	01/04/1994
Trans1 Recv Date:	01/04/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/04/1994
Part A Recv Date:	01/14/1994
Part B Recv Date:	01/12/1994
Generator EPA ID:	NYD981560931
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049836679
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

SCHRECK'S SCRAPYARD (Continued) **1003864111**

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:	B007 - OTHER MISCELLANEOUS PCB WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	19205
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	L Landfill.
Specific Gravity:	100

I49 **K S AUTO STORES INC** **RCRA NonGen / NLR** **1000102748**
SSE **90 MANHATTAN ST** **FINDS** **NYD049829021**
1/8-1/4 **NORTH TONAWANDA, NY 14120** **ECHO**
0.160 mi. **NY MANIFEST**
844 ft. **Site 2 of 2 in cluster I**

Relative: **Higher**
Actual: **572 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2007-01-01 00:00:00.0
Handler Name:	K S AUTO STORES INC	
Handler Address:		90 MANHATTAN ST
Handler City,State,Zip:		NORTH TONAWANDA, NY 14120-5819
EPA ID:		NYD049829021
Contact Name:		Not reported
Contact Address:		MANHATTAN ST
Contact City,State,Zip:		NORTH TONAWANDA, NY 14120
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 R9
Mailing Address:		MANHATTAN ST
Mailing City,State,Zip:		NORTH TONAWANDA, NY 14120
Owner Name:		KEITH SAMRANY
Owner Type:		Private
Operator Name:		KEITH SAMRANY
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No

K S AUTO STORES INC (Continued) **1000102748**

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
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

K S AUTO STORES INC (Continued) **1000102748**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	KEITH SAMRANY
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:	KEITH SAMRANY
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:	KEITH SAMRANY
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:	1999-07-08 00:00:00.0
Handler Name: K S AUTO STORES 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: K S AUTO STORES INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No

K S AUTO STORES INC (Continued) **1000102748**

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: K S AUTO STORES 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:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1986-04-28 00:00:00.0
Handler Name: K S AUTO STORES 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 Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110006443893

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.

K S AUTO STORES INC (Continued) **1000102748**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000102748
Registry ID:	110006443893
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110006443893
Name:	K S AUTO STORES INC
Address:	90 MANHATTAN ST
City,State,Zip:	NORTH TONAWANDA, NY 14120

NY MANIFEST:

Name:	K S AUTO STORES
Address:	90 MANHATTAN ST
City,State,Zip:	NORTH TONAWANDA, NY 14120-5819
Country:	USA
EPA ID:	NYD049829021
Facility Status:	Not reported
Location Address 1:	90 MANHATTEN STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD049829021
Mailing Name:	K S AUTO STORES
Mailing Contact:	K S AUTO STORES
Mailing Address 1:	90 MANHATTEN STREET
Mailing Address 2:	Not reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14120
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7166932836

NY MANIFEST:

Document ID:	MIA1296402
Manifest Status:	K
seq:	Not reported
Year:	1989
Trans1 State ID:	S5113DNY
Trans2 State ID:	Not reported
Generator Ship Date:	05/18/1989
Trans1 Recv Date:	05/18/1989
Trans2 Recv Date:	/ /
TSD Site Recv Date:	05/24/1989
Part A Recv Date:	06/26/1989
Part B Recv Date:	06/01/1989
Generator EPA ID:	NYD049829021
Trans1 EPA ID:	NYD097644801
Trans2 EPA ID:	Not reported

K S AUTO STORES INC (Continued) **1000102748**

TSDF ID 1:	MID096963194
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:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

L50 **GATEWAY POINT 6** **US BROWNFIELDS 1016346983**
South **78 RIVER ROAD** **FINDS N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.177 mi.
932 ft. **Site 2 of 2 in cluster L**

Relative: **Lower**
Actual: **570 ft.**

US BROWNFIELDS:

Name:	GATEWAY POINT 6
Address:	78 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.09-1-4
Parcel size:	0.92
Latitude:	43.023958
Longitude:	-78.8799049
HCM Label:	Address Matching-House Number
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	60341
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	383

GATEWAY POINT 6 (Continued) **1016346983**

Assessment Funding Source:	-
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:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	4/1/2005
Ownership Entity:	Government
Completion Date:	4/1/2005
Current Owner:	City of North Tonawanda
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
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:	Y
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:	-

GATEWAY POINT 6 (Continued) **1016346983**

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:	0.92
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:	Y
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:	From the mid to late 1800s, the area was used as a lumberyard and processing facility with associated boat slips and rail lines. Related planning mills and box factories became more prevalent in the early 1900s. Beginning in the 1950s, the surrounding area was developed as a seasonal boat storage facility. The property is a small, undeveloped area with no structures.
Below Poverty Number:	578
Below Poverty Percent:	30.61
Meidan Income:	3290
Meidan Income Number:	964
Meidan Income Percent:	51.06

GATEWAY POINT 6 (Continued) **1016346983**

Vacant Housing Number: 215
Vacant Housing Percent: 17.21
Unemployed Number: 107
Unemployed Percent: 5.67

FINDS:
Registry ID: 110038715281

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.

N51 **78 BRIDGE STREET SITE** **US BROWNFIELDS** **1016358901**
West **78 BRIDGE STREET** **FINDS** **N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.184 mi.
969 ft. **Site 1 of 4 in cluster N**

Relative: **Higher**
Actual: **571 ft.**

US BROWNFIELDS:
Name: 78 BRIDGE STREET SITE
Address: 78 BRIDGE STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Recipient Name: Niagara County
Grant Type: Assessment
Property Number: 184.08-1-9
Parcel size: 31
Latitude: 43.027159
Longitude: -78.883323
HCM Label: Address Matching-House Number
Map Scale: -
Point of Reference: Center of a Facility or Station
Highlights: -
Datum: North American Datum of 1983
Acres Property ID: 131165
IC Data Access: -
Start Date: -
Redev Completition Date: -
Completed Date: -
Acres Cleaned Up: -
Cleanup Funding: -
Cleanup Funding Source: -
Assessment Funding: 2000
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: N
Cooperative Agreement Number: 99290801

78 BRIDGE STREET SITE (Continued) **1016358901**

Start Date:	3/12/2010
Ownership Entity:	Government
Completion Date:	6/23/2010
Current Owner:	City of North Tonawanda
Did Owner Change:	N
Cleanup Required:	U
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:	-
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:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	3.1
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-

78 BRIDGE STREET SITE (Continued) **1016358901**

Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
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 property was previosuly used by Niagara County as a fire training facility. The City of North Tonawanda took ownership in 2008.
Below Poverty Number:	221
Below Poverty Percent:	27.45
Meidan Income:	1939
Meidan Income Number:	500
Meidan Income Percent:	62.11
Vacant Housing Number:	95
Vacant Housing Percent:	14.9
Unemployed Number:	40
Unemployed Percent:	4.97

FINDS:
Registry ID: 110043637909

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.

78 BRIDGE STREET SITE (Continued) **1016358901**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

52
SSW
1/8-1/4
0.192 mi.
1013 ft.

GATEWAY POINT 1
50 DOCK STREET
NORTH TONAWANDA, NY 14120

US BROWNFIELDS FINDS **1016345518 N/A**

Relative: Lower

Actual: 566 ft.

US BROWNFIELDS:

Name:	GATEWAY POINT 1
Address:	50 DOCK STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.09-1-1
Parcel size:	2.1
Latitude:	43.024147
Longitude:	-78.881065
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	20041
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	383
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:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	4/1/2005
Ownership Entity:	Government
Completion Date:	4/1/2005
Current Owner:	City of North Tonawanda
Did Owner Change:	N
Cleanup Required:	-
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-

GATEWAY POINT 1 (Continued) **1016345518**

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:	Y
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:	2.1
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:	-

GATEWAY POINT 1 (Continued) **1016345518**

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:	Y
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 property runs along the Niagara River. Property access is via a narrow road off River Road. From the mid to late 1800s, the area was used as a lumberyard and processing facility with associated boat slips and rail lines. Related planning mills and box factories became more prevalent in the early 1900s. Beginning in the 1950s, the area was developed as a seasonal boat storage facility. Construction of boathouses accelerated after World War II, and as many as 44 were constructed on the property.
Below Poverty Number:	431
Below Poverty Percent:	27.14
Meidan Income:	1947
Meidan Income Number:	818
Meidan Income Percent:	51.51
Vacant Housing Number:	182
Vacant Housing Percent:	16.43
Unemployed Number:	94
Unemployed Percent:	5.92

FINDS:
Registry ID: 110038695828

Click Here:

Environmental Interest/Information System:
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Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

53
SSE
1/8-1/4
0.193 mi.
1021 ft.

COMPETITION TRANSMISSION
68 MAIN STREET
NORTH TONAWANDA, NY 14120

US BROWNFIELDS FINDS
1016347378
N/A

Relative:
Higher

Actual:
575 ft.

US BROWNFIELDS:

Name:	COMPETITION TRANSMISSION
Address:	68 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.37-1-10
Parcel size:	0.3
Latitude:	43.023772
Longitude:	-78.876965
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:	55961
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	21100
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:	Y
Cooperative Agreement Number:	97259106
Start Date:	8/18/2011
Ownership Entity:	Private
Completion Date:	8/9/2012
Current Owner:	Riviera Theater
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	1/11/2012
State/tribal program ID:	1111936
State/tribal NFA date:	-

COMPETITION TRANSMISSION (Continued) **1016347378**

Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	Y
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:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	-
VOCs found:	Y
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:	0.3
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	Y
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:	-

COMPETITION TRANSMISSION (Continued) **1016347378**

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:	Y
Media affected indoor air:	-
Building material media cleaned up:	Y
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The site was used as a vehicle repair facility for more than 75 years by various owners. Automotive repair operations ceased in the middle of 2007 and the property was acquired by the adjacent historic Riviera Theater. The site is being remediated in preparation for theater expansion efforts.
Below Poverty Number:	652
Below Poverty Percent:	29.76
Meidan Income:	3182
Meidan Income Number:	1066
Meidan Income Percent:	48.65
Vacant Housing Number:	215
Vacant Housing Percent:	15.63
Unemployed Number:	109
Unemployed Percent:	4.97

Name:	COMPETITION TRANSMISSION
Address:	68 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.37-1-10
Parcel size:	0.3
Latitude:	43.023772
Longitude:	-78.876965
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:	55961
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	2665
Assessment Funding Source:	EPA
Redevelopment Funding:	-

COMPETITION TRANSMISSION (Continued) **1016347378**

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:	N
Cooperative Agreement Number:	99290801
Start Date:	4/1/2007
Ownership Entity:	Private
Completion Date:	7/25/2007
Current Owner:	Riviera Theater
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	1/11/2012
State/tribal program ID:	1111936
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	Y
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:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	-
VOCs found:	Y

COMPETITION TRANSMISSION (Continued) **1016347378**

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:	0.3
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	Y
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:	Y
Media affected indoor air:	-
Building material media cleaned up:	Y
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The site was used as a vehicle repair facility for more than 75 years by various owners. Automotive repair operations ceased in the middle of 2007 and the property was acquired by the adjacent historic Riviera Theater. The site is being remediated in preparation for theater expansion efforts.
Below Poverty Number:	652
Below Poverty Percent:	29.76
Meidan Income:	3182
Meidan Income Number:	1066
Meidan Income Percent:	48.65
Vacant Housing Number:	215
Vacant Housing Percent:	15.63
Unemployed Number:	109

COMPETITION TRANSMISSION (Continued) **1016347378**

Unemployed Percent:	4.97
Name:	COMPETITION TRANSMISSION
Address:	68 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	BCRLF
Property Number:	185.37-1-10
Parcel size:	0.3
Latitude:	43.023772
Longitude:	-78.876965
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:	55961
IC Data Access:	-
Start Date:	4/17/2013
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	214089
Cleanup Funding Source:	EPA
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	Brownfields RLF Grant Funds Subgranted
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	97245508
Start Date:	-
Ownership Entity:	Private
Completion Date:	-
Current Owner:	Riviera Theater
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	1/11/2012
State/tribal program ID:	1111936
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	Y

COMPETITION TRANSMISSION (Continued) **1016347378**

Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	Y
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:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	-
VOCs found:	Y
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:	0.3
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	Y
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:	-

COMPETITION TRANSMISSION (Continued) **1016347378**

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:	Y
Media affected indoor air:	-
Building material media cleaned up:	Y
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The site was used as a vehicle repair facility for more than 75 years by various owners. Automotive repair operations ceased in the middle of 2007 and the property was acquired by the adjacent historic Riviera Theater. The site is being remediated in preparation for theater expansion efforts.
Below Poverty Number:	652
Below Poverty Percent:	29.76
Meidan Income:	3182
Meidan Income Number:	1066
Meidan Income Percent:	48.65
Vacant Housing Number:	215
Vacant Housing Percent:	15.63
Unemployed Number:	109
Unemployed Percent:	4.97

Name:	COMPETITION TRANSMISSION
Address:	68 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	BCRLF
Property Number:	185.37-1-10
Parcel size:	0.3
Latitude:	43.023772
Longitude:	-78.876965
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:	55961
IC Data Access:	-
Start Date:	4/17/2013
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	135911
Cleanup Funding Source:	Niagara County
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-

COMPETITION TRANSMISSION (Continued) **1016347378**

Assessment Funding Entity:	-
Cleanup Funding Entity:	Brownfields RLF Program Income Subgranted
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	97245508
Start Date:	-
Ownership Entity:	Private
Completion Date:	-
Current Owner:	Riviera Theater
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	1/11/2012
State/tribal program ID:	1111936
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	Y
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:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-

COMPETITION TRANSMISSION (Continued) **1016347378**

Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	0.3
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
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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:	Y
Media affected indoor air:	-
Building material media cleaned up:	Y
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The site was used as a vehicle repair facility for more than 75 years by various owners. Automotive repair operations ceased in the middle of 2007 and the property was acquired by the adjacent historic Riviera Theater. The site is being remediated in preparation for theater expansion efforts.
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Meidan Income Percent:	48.65
Vacant Housing Number:	215
Vacant Housing Percent:	15.63
Unemployed Number:	109
Unemployed Percent:	4.97

COMPETITION TRANSMISSION (Continued) **1016347378**

FINDS:
Registry ID: 110038721345

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.

O54 **SWAGELOK BIOPHARM SERVICES COMPANY** **NY MANIFEST** **S119071127**
SE **107 GOUNDRY ST** **N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.198 mi.
1044 ft. **Site 1 of 3 in cluster O**

Relative:
Higher

Actual:
578 ft.

NY MANIFEST:

Name:	SWAGELOK BIOPHARM SERVICES COMPANY
Address:	107 GOUNDRY ST
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYD053076907
Facility Status:	Not reported
Location Address 1:	107 GOUNDRY
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	N TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD053076907
Mailing Name:	SWAGELOK BIOPHARM SERVICES COMPANY
Mailing Contact:	GEORGE FRAZER XT#1121
Mailing Address 1:	107-111 GOUNDRY STREET
Mailing Address 2:	Not reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14120
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7167439735

NY MANIFEST:

Document ID:	NYC3481255
Manifest Status:	C
seq:	Not reported
Year:	1995
Trans1 State ID:	NYRW9920
Trans2 State ID:	Not reported
Generator Ship Date:	10/27/1995
Trans1 Recv Date:	10/27/1995
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/27/1995

SWAGELOK BIOPHARM SERVICES COMPANY (Continued) **S119071127**

Part A Recv Date:	11/07/1995
Part B Recv Date:	11/07/1995
Generator EPA ID:	NYD053076907
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD981556541
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:	00093
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

O55 **SWAGELOK BIOPHARM SERVICES CO** **RCRA NonGen / NLR** **1007111987**
SE **107 GOUNDRY ST** **NYD053076907**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.198 mi.
1044 ft. **Site 2 of 3 in cluster O**

Relative: **Higher**
Actual: **578 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	SWAGELOK BIOPHARM SERVICES CO
Handler Address:	107 GOUNDRY ST
Handler City,State,Zip:	NORTH TONAWANDA, NY 14120
EPA ID:	NYD053076907
Contact Name:	GEORGE M FRAZER
Contact Address:	GOUNDRY ST
Contact City,State,Zip:	NORTH TONAWANDA, NY 14120
Contact Telephone:	716-692-6665
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
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

SWAGELOK BIOPHARM SERVICES CO (Continued) **1007111987**

Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R9
Mailing Address:	GOUNDRY ST
Mailing City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner Name:	UNKNOWN
Owner Type:	Private
Operator Name:	SWAGELOK BIOPHARM SERVICES 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:	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

SWAGELOK BIOPHARM SERVICES CO (Continued) **1007111987**

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:	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:	UNKNOWN
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:	SWAGELOK BIOPHARM SERVICES CO
Legal Status:	Private
Date Became Current:	2003-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	107 GOUNDRY ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner/Operator Telephone:	716-692-6665
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SWAGELOK BIOPHARM SERVICES CO
Legal Status:	Private
Date Became Current:	2003-04-01 00:00:00.

SWAGELOK BIOPHARM SERVICES CO (Continued) **1007111987**

Date Ended Current: Not reported
Owner/Operator Address: 107 GOUNDRY ST
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-692-6665
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SWAGELOK BIOPHARM SERVICES CO
Legal Status: Private
Date Became Current: 2003-04-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 107 GOUNDRY ST
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-692-6665
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: UNKNOWN
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: 1999-07-08 00:00:00.0
Handler Name: JENSEN FITTINGS 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: SWAGELOK BIOPHARM SERVICES 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

SWAGELOK BIOPHARM SERVICES CO (Continued) **1007111987**

Electronic Manifest Broker: Not reported

Receive Date: 2007-01-01 00:00:00.0
Handler Name: SWAGELOK BIOPHARM SERVICES 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: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1986-09-05 00:00:00.0
Handler Name: JENSEN FITTINGS CORP
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: 2003-04-08 00:00:00.0
Handler Name: SWAGELOK BIOPHARM SERVICES CO
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: 1994-03-25 00:00:00.0
Handler Name: JENSEN FITTINGS 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: 1996-03-28 00:00:00.0
Handler Name: JENSEN FITTINGS CORPORATION
Federal Waste Generator Description: Large Quantity Generator

SWAGELOK BIOPHARM SERVICES CO (Continued) **1007111987**

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: 332919
NAICS Description: OTHER METAL VALVE AND PIPE FITTING MANUFACTURING

NAICS Code: 332996
NAICS Description: FABRICATED PIPE AND PIPE FITTING MANUFACTURING

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

SWAGELOK BIOPHARM SERVICES CO (Continued) **1007111987**

Evaluation Action Summary:

Evaluation Date:	1995-10-17 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYRHG
Evaluation Responsible Sub-Organization:	R9
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

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56 **NIAGARA MOHAWK POWER CORPORATION** **NY MANIFEST** **S109584697**
NNE **SCHENCK ST & N MARION ST** **N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.202 mi.
1064 ft.

Relative:
Higher

Actual:
573 ft.

NY MANIFEST:

Name:	NIAGARA MOHAWK POWER CORPORATION
Address:	SCHENCK ST & N MARION ST
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYP000963074
Facility Status:	Not reported
Location Address 1:	SCHENCK ST & N MARION ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP000963074
Mailing Name:	NIAGARA MOHAWK POWER CORPORATION
Mailing Contact:	M MORROW
Mailing Address 1:	144 KENSINGTON AVE
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14214
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7168317428

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYR000045724
Trans2 State ID:	Not reported

NIAGARA MOHAWK POWER CORPORATION (Continued) **S109584697**

Generator Ship Date:	05/12/2008
Trans1 Recv Date:	05/12/2008
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/12/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP000963074
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049836679
TSDF ID 2:	Not reported
Manifest Tracking Number:	001059743JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	Y
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:	4209
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	B007
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

P57 **64-66 WEBSTER STREEET** **US BROWNFIELDS** **1016348134**
SSE **64 WEBSTER STREET** **FINDS** **N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.202 mi.
1067 ft. **Site 1 of 2 in cluster P**

Relative:
Higher

Actual:
573 ft.

US BROWNFIELDS:

Name:	64-66 WEBSTER STREEET
Address:	64 WEBSTER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.37-1-33
Parcel size:	0.17
Latitude:	43.02524

64-66 WEBSTER STREEET (Continued) **1016348134**

Longitude:	-78.87794
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	72213
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	2075
Assessment Funding Source:	-
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:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	9/1/2007
Ownership Entity:	-
Completion Date:	11/7/2007
Current Owner:	Richard Mangin
Did Owner Change:	-
Cleanup Required:	Y
Video Available:	-
Photo Available:	-
Institutional Controls Required:	N
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:	Y
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:	-

64-66 WEBSTER STREEET (Continued) **1016348134**

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:	-
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:	-

64-66 WEBSTER STREEET (Continued) **1016348134**

Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The 64-65 Webster Street property was used for residential, retail, professional and commercial purposes since the late 1880s. Currently, the property is used for retail sale of toys, fabric and carpet remnants, and for storage. Potential recognized environmental conditions and concerns need to be investigated prior to the City of North Tonawanda purchasing the property for redevelopment.
Below Poverty Number:	666
Below Poverty Percent:	30.23
Meidan Income:	4146
Meidan Income Number:	1091
Meidan Income Percent:	49.52
Vacant Housing Number:	239
Vacant Housing Percent:	16.94
Unemployed Number:	124
Unemployed Percent:	5.63

FINDS:
Registry ID: 110038733886

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.

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58 NORTH TONAWANDA YARD **NY UST U003317913**
ENE THOMPSON & OLIVER STS **NY AST N/A**
1/8-1/4 NORTH TONAWANDA, NY 14120
0.206 mi.
1087 ft.

Relative: Higher
Actual: 574 ft.

UST:

Name:	NORTH TONAWANDA YARD
Address:	THOMPSON & OLIVER STS
City,State,Zip:	NORTH TONAWANDA, NY 14120
Id/Status:	9-420018 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	184314.42866
UTM Y:	4771319.83898
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	53984
Affiliation Type:	Facility Owner
Company Name:	CONRAIL
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	RM 601 6 PENN CENTER PLAZA

NORTH TONAWANDA YARD (Continued) **U003317913**

Address2:	Not reported
City:	PHILADELPHIA
State:	PA
Zip Code:	19103
Country Code:	001
Phone:	(215) 977-4241
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53984
Affiliation Type:	Mail Contact
Company Name:	CONRAIL
Contact Type:	Not reported
Contact Name:	SCOT BLANTON P.E.
Address1:	2001 MARKET STREET 6-A
Address2:	Not reported
City:	PHILADELPHIA
State:	PA
Zip Code:	19101
Country Code:	001
Phone:	(215) 209-1691
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53984
Affiliation Type:	Facility Operator
Company Name:	NORTH TONAWANDA YARD
Contact Type:	Not reported
Contact Name:	INACTIVE SITE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 891-6184
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53984
Affiliation Type:	Emergency Contact
Company Name:	CONRAIL
Contact Type:	Not reported
Contact Name:	JACK STOLARCZYK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(315) 767-6442

NORTH TONAWANDA YARD (Continued) **U003317913**

EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Tank Info:

Tank Number: 100
Tank ID: 169729
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: 04/01/1987
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: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None

AST:

Name: NORTH TONAWANDA YARD
Address: THOMPSON & OLIVER STS
City,State,Zip: NORTH TONAWANDA, NY 14120
Region: STATE
DEC Region: 9
Site Status: Unregulated/Closed
Facility Id: 9-420018
Program Type: PBS
UTM X: 184314.42866
UTM Y: 4771319.83898
Expiration Date: N/A
Site Type: Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id: 53984
Affiliation Type: Facility Owner
Company Name: CONRAIL
Contact Type: Not reported

NORTH TONAWANDA YARD (Continued) **U003317913**

Contact Name:	Not reported
Address1:	RM 601 6 PENN CENTER PLAZA
Address2:	Not reported
City:	PHILADELPHIA
State:	PA
Zip Code:	19103
Country Code:	001
Phone:	(215) 977-4241
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53984
Affiliation Type:	Mail Contact
Company Name:	CONRAIL
Contact Type:	Not reported
Contact Name:	SCOT BLANTON P.E.
Address1:	2001 MARKET STREET 6-A
Address2:	Not reported
City:	PHILADELPHIA
State:	PA
Zip Code:	19101
Country Code:	001
Phone:	(215) 209-1691
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53984
Affiliation Type:	Facility Operator
Company Name:	NORTH TONAWANDA YARD
Contact Type:	Not reported
Contact Name:	INACTIVE SITE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 891-6184
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53984
Affiliation Type:	Emergency Contact
Company Name:	CONRAIL
Contact Type:	Not reported
Contact Name:	JACK STOLARCZYK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

NORTH TONAWANDA YARD (Continued) **U003317913**

Country Code:	001
Phone:	(315) 767-6442
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	A76
Tank Id:	171880
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
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser

Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
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:	04/01/1987
Register:	True
Modified By:	TRANSLAT
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

Q59 **TAYLOR DEVICES** **NJ MANIFEST** **S111074962**
WNW **90 TAYLOR RD** **N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.207 mi.
1092 ft. **Site 1 of 2 in cluster Q**

Relative: **Higher**
Actual: **573 ft.**

NJ MANIFEST:

EPA Id:	NYD002105799
Mail Address:	Not reported
Mail City/State/Zip:	Not reported
Facility Phone:	7166940800
Emergency Phone:	Not reported
Contact:	Not reported
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00

TAYLOR DEVICES (Continued) **S111074962**

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:	005092009SKS
EPA ID:	NYD002105799
Date Shipped:	11/4/2015
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000081205
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:	Not reported
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:	Not reported
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:	Not reported
Was Load Rejected:	Not reported
Reason Load Was Rejected:	Not reported

Manifest Number:	004991624SKS
EPA ID:	NYD002105799
Date Shipped:	8/20/2015
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000081205
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported

TAYLOR DEVICES (Continued) **S111074962**

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:	Not reported
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:	Not reported
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:	Not reported
Was Load Rejected:	Not reported
Reason Load Was Rejected:	Not reported

Manifest Number:	004415949SKS
EPA ID:	NYD002105799
Date Shipped:	2/4/2015
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000081205
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:	Not reported
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:	Not reported

TAYLOR DEVICES (Continued) **S111074962**

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:	Not reported
Was Load Rejected:	Not reported
Reason Load Was Rejected:	Not reported

Manifest Number:	005706838SKS
EPA ID:	NYD002105799
Date Shipped:	1/31/2017
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000081205
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:	Not reported
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:	Not reported
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:	Not reported
Was Load Rejected:	Not reported
Reason Load Was Rejected:	Not reported

TAYLOR DEVICES (Continued) **S111074962**

Manifest Number:	003338998FLE
EPA ID:	NYD002105799
Date Shipped:	10/28/2010
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
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:	10/28/2010
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:	11/08/2010
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:	Not reported
Was Load Rejected:	No
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H141
Quantity:	1600 P

Manifest Number:	004733227SKS
EPA ID:	NYD002105799
Date Shipped:	4/21/2015
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000081205
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

TAYLOR DEVICES (Continued) **S111074962**

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:	Not reported
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:	Not reported
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:	Not reported
Was Load Rejected:	Not reported
Reason Load Was Rejected:	Not reported

Q60 **TAYLOR DEVICES** **PA MANIFEST** **S113739374**
WNW **90 TAYLOR DR** **N/A**
1/8-1/4 **NORTH TOWANDA, NY 14120**
0.207 mi.
1092 ft. **Site 2 of 2 in cluster Q**

Relative: **Higher**

Actual: **573 ft.**

Manifest Details:

Year:	2012
Manifest Number:	002598238SKS
Manifest Type:	TSD Copy
Generator EPA Id:	NYD002105799
Generator Date:	02/21/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	AERC COM INC ADVANCED ENVIRONMENTAL RECYCLING
TSD Facility Address:	2591 MITCHELL AVE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1

TAYLOR DEVICES (Continued) **S113739374**

Waste Number:	D009
Container Number:	1
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	25
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD987367216
Date TSP Sig:	Not reported

R61 **STATION 77** **RCRA NonGen / NLR** **1000413626**
NE **EAST AVE** **NY MANIFEST** **NYD980783328**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.211 mi.
1112 ft. **Site 1 of 2 in cluster R**

Relative: **Higher**
Actual: **574 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2007-01-01 00:00:00.0
Handler Name:	STATION 77	
Handler Address:		EAST AVE
Handler City,State,Zip:		NORTH TONAWANDA, NY 14120
EPA ID:		NYD980783328
Contact Name:		Not reported
Contact Address:		ERIE BLVD W
Contact City,State,Zip:		SYRACUSE, NY 13202
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 R9
Mailing Address:		ERIE BLVD W
Mailing City,State,Zip:		SYRACUSE, NY 13202
Owner Name:		OWNERNAME
Owner Type:		Private
Operator Name:		OWNERNAME
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

STATION 77 (Continued) **1000413626**

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:	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:	X002
Waste Description:	Not Defined

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

STATION 77 (Continued) **1000413626**

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:	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

Historic Generators:

Receive Date:	1999-07-08 00:00:00.0
Handler Name: STATION 77	
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: STATION 77	
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

STATION 77 (Continued) **1000413626**

Receive Date:	2007-01-01 00:00:00.0
Handler Name: STATION 77	
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:	1984-11-20 00:00:00.0
Handler Name: STATION 77	
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 Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:

Name:	NIAGARA MOHAWK POWER CORP
Address:	EAST AVE
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYD980783328
Facility Status:	Not reported
Location Address 1:	STATION 77 EAST AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD980783328
Mailing Name:	NIAGARA MOHAWK POWER CORP
Mailing Contact:	FRANK GRABOWSKI

STATION 77 (Continued) **1000413626**

Mailing Address 1:	144 KENSINGTON AVE
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14214
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7168317426

NY MANIFEST:

Document ID:	NYB2735361
Manifest Status:	C
seq:	Not reported
Year:	1992
Trans1 State ID:	IE7186NY
Trans2 State ID:	Not reported
Generator Ship Date:	06/02/1992
Trans1 Recv Date:	06/02/1992
Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/02/1992
Part A Recv Date:	/ /
Part B Recv Date:	06/16/1992
Generator EPA ID:	NYD980783328
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD000730390
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:	02715
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

P62 **51 WEBSTER STREET** **US BROWNFIELDS** **1018273017**
SSE **51 WEBSTER STREET** **N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.221 mi.
1169 ft. **Site 2 of 2 in cluster P**

Relative: **Higher**

Actual: **573 ft.**

US BROWNFIELDS:

Name:	51 WEBSTER STREET
Address:	51 WEBSTER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara, County of
Grant Type:	Assessment
Property Number:	185.37-1-13
Parcel size:	0.57
Latitude:	43.023307
Longitude:	-78.876985
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:	176963
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	29722
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 II Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	97205911
Start Date:	10/7/2014
Ownership Entity:	Private
Completion Date:	7/8/2016
Current Owner:	51 Webster Street Inc.
Did Owner Change:	N
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:	3/1/2014
State/tribal program ID:	1401695
State/tribal NFA date:	-

51 WEBSTER STREET (Continued) **1018273017**

Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
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:	Y
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:	0.57
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:	-

51 WEBSTER STREET (Continued) **1018273017**

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 developed with a 2,269 square-foot building that is currently used as a doctor s office. A majority of the property is an unused surface parking lot. Beginning in 1910 the site was used as gasoline filling station, dyeing and cleaning facility, and automotive repair station. Soil and groundwater appear to be contaminated with petroleum products above NYS standards. The property owner is working with the NYSDEC to address contamination issues.
Below Poverty Number:	666
Below Poverty Percent:	30.23
Meidan Income:	4146
Meidan Income Number:	1091
Meidan Income Percent:	49.52
Vacant Housing Number:	239
Vacant Housing Percent:	16.94
Unemployed Number:	124
Unemployed Percent:	5.63

Name:	51 WEBSTER STREET
Address:	51 WEBSTER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara, County of
Grant Type:	Assessment
Property Number:	185.37-1-13
Parcel size:	0.57
Latitude:	43.023307
Longitude:	-78.876985
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:	176963
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	2400

51 WEBSTER STREET (Continued) **1018273017**

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:	97205911
Start Date:	11/13/2014
Ownership Entity:	Private
Completion Date:	3/5/2015
Current Owner:	51 Webster Street Inc.
Did Owner Change:	N
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:	3/1/2014
State/tribal program ID:	1401695
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
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:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-

51 WEBSTER STREET (Continued) **1018273017**

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:	0.57
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 developed with a 2,269 square-foot building that is currently used as a doctor s office. A majority of the property is an unused surface parking lot. Beginning in 1910 the site was used as gasoline filling station, dyeing and cleaning facility, and automotive repair station. Soil and groundwater appear to be contaminated with petroleum products above NYS standards. The property owner is working with the NYSDEC to address contamination issues.
Below Poverty Number:	666
Below Poverty Percent:	30.23
Meidan Income:	4146
Meidan Income Number:	1091

51 WEBSTER STREET (Continued) **1018273017**

Meidan Income Percent:	49.52
Vacant Housing Number:	239
Vacant Housing Percent:	16.94
Unemployed Number:	124
Unemployed Percent:	5.63

N63 **INTL PAPER CO /TONAWANDA MILL** **SEMS-ARCHIVE** **1003863840**
West **50 BRIDGE STREET** **NYD980531883**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.227 mi.
1197 ft. **Site 2 of 4 in cluster N**

Relative:
Higher

Actual:
572 ft.

SEMS Archive:

Site ID:	0201965
EPA ID:	NYD980531883
Name:	INTL PAPER CO /TONAWANDA MILL
Address:	50 BRIDGE STREET
Address 2:	Not reported
City,State,Zip:	NORTH TONAWANDA, NY 14120
Cong District:	36
FIPS Code:	36063
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	02
Site ID:	0201965
EPA ID:	NYD980531883
Site Name:	INTL PAPER CO /TONAWANDA MILL
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1986-09-24 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	02
Site ID:	0201965
EPA ID:	NYD980531883
Site Name:	INTL PAPER CO /TONAWANDA MILL
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1986-07-07 04:00:00
Finish Date:	1986-09-24 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	02
Site ID:	0201965

INTL PAPER CO /TONAWANDA MILL (Continued) **1003863840**

EPA ID:	NYD980531883
Site Name:	INTL PAPER CO /TONAWANDA MILL
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1981-06-01 04:00:00
Finish Date:	1981-06-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

N64 **INTERNATIONAL PAPER CO.** **NY HSWDS** **S108146690**
West **50 BRIDGE STREET** **N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.227 mi.
1197 ft. **Site 3 of 4 in cluster N**

Relative: **Higher**
Actual: **572 ft.**

HSWDS:

Facility ID:	Not reported
Region:	9
Facility Status:	Unknown
Owner Type:	Puplic
Owner:	International Paper Co.
Owner Address:	77 West 45th Street
Owner Phone:	(212)536-7007
Operator Type:	Puplic
Operator:	Unknown
Operator:	Unknown
Operator Phone:	Unknown
EPA ID:	NYD980531883
Registry:	Not on NYS Registry of Inactive Haz Waste Disposal Sites
Registry Site ID:	Unknown
RCRA Permitted:	Unknown
Site Code:	Industrial Site
Owner City State:	New York
Operator City State:	Not reported
Quadrange:	Tonawanda West
Latitude:	43 01 30 N
Longitude:	78 53 30 W
Acres:	0.00
Operator Date:	1931
Close Date:	Unknown
Completed:	PA
Active:	Unknown
PCB's Disposed:	No
Pesticides Disposed:	No
Metals Disposed:	No
Asbestos Disposed:	No
Volatile Organic Compounds Disposed:	No
Semi Volatile Organic Compounds Disposed:	Yes
Analytical Info Exists for Air:	Not reported
Analytical Info Exists for Ground:	None
Analytical Info Exists for Surface:	Not reported
Analytical Info Exists for Sediments:	Not reported
Analytical Info Exists for Surface:	Not reported

INTERNATIONAL PAPER CO. (Continued) **S108146690**

Analytical Info Exists for Substance:	Not reported
Analytical Info Exists for Waste:	Not reported
Analytical Info Exists for Leachate:	Not reported
Analytical Info Exists for EP Toxicity:	Not reported
Analytical Info Exists for TCLP:	Not reported
Threat to Environment/Public Health:	Environmental/Public
Surface Water Contamination:	Unknown
Surface Water Body Class:	Unknown
Groundwater Contamination:	Unknown
Groundwater Classification:	Unknown
Drinking Water Contamination:	Unknown
Drinking Water Supply is Active:	Unknown
Any Known Fish or Wildlife:	Unknown
Hazardous Exposure:	Unknown
Site Has Controlled Acess:	No
Ambient Air Contamination:	No
Direct Contact:	Yes
EPA Hazardous Ranking System Score:	Unknown
Inventory:	F
Nefrap:	Not reported
Mailing:	Not reported
Tax Map No:	Not reported
Qualify:	0
Next Action:	Not reported
Agencies:	Not reported
Air:	Not reported
Building:	Not reported
Site Desc:	Not reported
Drink:	Not reported
Eptox:	Not reported
Fish:	Not reported
Ground:	Not reported
Ground Desc:	Not reported
Hazardous Threat:	Not reported
Haz Threat Desc:	Not reported
Leachate:	Not reported
Preparer:	Not reported
Sediment:	Not reported
Soil:	Not reported
Surface:	Not reported
Status:	Not reported
Surface Soil:	Not reported
Surface:	Not reported
TCLP:	Not reported
Waste:	Not reported

N65 **INTERNATIONAL FILLER CORP** **RCRA-VSQG** **1000216642**
West **50 BRIDGE ST** **ICIS** **NYD002105914**
1/8-1/4 **NORTH TONAWANDA, NY 14120** **US AIRS**
0.227 mi. **FINDS**
1197 ft. **Site 4 of 4 in cluster N** **ECHO**
NY MANIFEST
Relative: **NJ MANIFEST**
Higher

Actual: RCRA-VSQG:
572 ft.

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	INTERNATIONAL FILLER CORP
Handler Address:	50 BRIDGE ST

INTERNATIONAL FILLER CORP (Continued) **1000216642**

Handler City,State,Zip:	NORTH TONAWANDA, NY 14120
EPA ID:	NYD002105914
Contact Name:	Not reported
Contact Address:	BRIDGE ST
Contact City,State,Zip:	NORTH TONAWANDA, NY 14120
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 R9
Mailing Address:	BRIDGE ST
Mailing City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner Name:	OWNERNAME
Owner Type:	Private
Operator Name:	OWNERNAME
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

INTERNATIONAL FILLER CORP (Continued) **1000216642**

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:	NONE
Waste Description:	Not Defined

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:	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

INTERNATIONAL FILLER CORP (Continued) **1000216642**

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:	1995-03-29 00:00:00.0
Handler Name:	INTERNATIONAL FILLER CORP
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:	2006-01-01 00:00:00.0
Handler Name:	INTERNATIONAL FILLER CORP
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:	INTERNATIONAL FILLER CORP
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:	1985-09-04 00:00:00.0
Handler Name:	INTERNATIONAL FILLER 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

INTERNATIONAL FILLER CORP (Continued) **1000216642**

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
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: 2010-12-16 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYNSL
Evaluation Responsible Sub-Organization: R9
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported

INTERNATIONAL FILLER CORP (Continued) **1000216642**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ICIS:

Enforcement Action ID:	NY000A00009291200017000002
FRS ID:	110001578551
Action Name:	INTERNATIONAL FILLER CORP 360630014400002
Facility Name:	INTERNATIONAL FILLER CORP
Facility Address:	50 BRIDGE ST NORTH TONAWANDA, NY 14120
Enforcement Action Type:	Administrative Order
Facility County:	NIAGARA
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2499
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	43.026725
Longitude in Decimal Degrees:	-78.884752
Permit Type Desc:	Not reported
Program System Acronym:	NY0000009291200017
Facility NAICS Code:	999999
Tribal Land Code:	Not reported

Enforcement Action ID:	HQ-2000-3049
FRS ID:	110001578551
Action Name:	INTERNATIONAL FIBER CORPORATION
Facility Name:	INTERNATIONAL FILLER
Facility Address:	50 BRIDGE ST NORTH TONAWANDA, NY 14120
Enforcement Action Type:	EPCRA 325 Action For Penalty
Facility County:	NIAGARA
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	325
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	43.02668
Longitude in Decimal Degrees:	-78.884711
Permit Type Desc:	Not reported
Program System Acronym:	22160
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

US AIRS MINOR:

Envid:	1000216642
Region Code:	02
Programmatic ID:	AIR NY0000009291200017
Facility Registry ID:	110001578551
D and B Number:	Not reported
Primary SIC Code:	2499
NAICS Code:	999999

INTERNATIONAL FILLER CORP (Continued) **1000216642**

Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 02
Programmatic ID: AIR NY0000009291200017
Facility Registry ID: 110001578551
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009291200017
Facility Registry ID: 110001578551
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009291200017
Facility Registry ID: 110001578551
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009291200017
Facility Registry ID: 110001578551
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-09-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009291200017
Facility Registry ID: 110001578551
Air Operating Status Code: OPR

INTERNATIONAL FILLER CORP (Continued) **1000216642**

Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009291200017
Facility Registry ID: 110001578551
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009291200017
Facility Registry ID: 110001578551
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-11-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009291200017
Facility Registry ID: 110001578551
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-08-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009291200017
Facility Registry ID: 110001578551
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-08-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02

INTERNATIONAL FILLER CORP (Continued) **1000216642**

Programmatic ID: AIR NY0000009291200017
Facility Registry ID: 110001578551
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009291200017
Facility Registry ID: 110001578551
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-02-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009291200017
Facility Registry ID: 110001578551
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-08-31 00:00:00
Activity Status Date: 1983-08-31 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

FINDS:
Registry ID: 110001578551

Click Here:

Environmental Interest/Information System:
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
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

INTERNATIONAL FILLER CORP (Continued) **1000216642**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
OSHA ESTABLISHMENT
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.
AIR MINOR
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000216642
Registry ID:	110001578551
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110001578551
Name:	INTERNATIONAL FILLER CORP
Address:	50 BRIDGE ST
City,State,Zip:	NORTH TONAWANDA, NY 14120

NY MANIFEST:

Name:	INTERNATIONAL FILLER
Address:	50 BRIDGE ST
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYD002105914
Facility Status:	Not reported
Location Address 1:	BRIDGE STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD002105914
Mailing Name:	INTERNATIONAL FILLER
Mailing Contact:	INTERNATIONAL FILLER
Mailing Address 1:	BRIDGE STREET
Mailing Address 2:	Not reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14120

INTERNATIONAL FILLER CORP (Continued) **1000216642**

Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7166934009

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NJD080631369
Trans2 State ID:	NJD054126164
Generator Ship Date:	08/11/2010
Trans1 Recv Date:	08/11/2010
Trans2 Recv Date:	08/18/2010
TSD Site Recv Date:	08/20/2010
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002105914
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD980536593
TSDF ID 2:	Not reported
Manifest Tracking Number:	000473775VES
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:	67
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D003
Waste Code 1_2:	Not reported
Waste Code 1_3:	D002
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

NJ MANIFEST:

EPA Id:	NYD002105914

INTERNATIONAL FILLER CORP (Continued) **1000216642**

Mail Address:	BRIDGE ST
Mail City/State/Zip:	NORTH TONAWANDA, NY 14120
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	Not reported
Comments:	Not reported
SIC Code:	Not reported
County:	NY029
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	000473775VES
EPA ID:	NYD002105914
Date Shipped:	08/11/2010
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	NJD054126164
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:	08/11/2010
Date Trans2 Transported Waste:	08/18/2010
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:	08/20/2010
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:	Not reported
Was Load Rejected:	NORTH TONAWANDA, NY 14120
Reason Load Was Rejected:	Not reported

INTERNATIONAL FILLER CORP (Continued) **1000216642**

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H141
Quantity:	2 P
Manifest Year:	Not reported
Waste Code:	D005
Hand Code:	H141
Quantity:	5 P
Manifest Year:	Not reported
Waste Code:	D003
Hand Code:	H141
Quantity:	67 P
Manifest Year:	Not reported
Waste Code:	F003
Hand Code:	H141
Quantity:	170 P

S66 **VAL-KRO INC** **RCRA-SQG** **1000121495**
NNW **369 RIVER RD** **US AIRS** **NYD980534275**
1/8-1/4 **NORTH TONAWANDA, NY 14120** **PA MANIFEST**
0.230 mi.
1215 ft. **Site 1 of 3 in cluster S**

Relative: **Lower**
Actual: **570 ft.**

RCRA-SQG:

Date Form Received by Agency:		2008-03-10 00:00:00.0
Handler Name:	VAL-KRO INC	
Handler Address:		369 RIVER RD
Handler City,State,Zip:		NORTH TONAWANDA, NY 14120-7199
EPA ID:		NYD980534275
Contact Name:		TIMOTHY - DEAKIN
Contact Address:		RIVER RD
Contact City,State,Zip:		NORTH TONAWANDA, NY 14120-7199
Contact Telephone:		716-694-5001
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
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 R9
Mailing Address:		RIVER RD
Mailing City,State,Zip:		NORTH TONAWANDA, NY 14120-7199
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		Not reported

VAL-KRO INC (Continued) **1000121495**

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:	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

VAL-KRO INC (Continued) **1000121495**

Hazardous Waste Summary:
- Waste Code: D002
- Waste Description: CORROSIVE WASTE

- Waste Code: D007
- Waste Description: CHROMIUM

- Waste Code: D008
- Waste Description: LEAD

- 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.

- Waste Code: F008
- Waste Description: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

- Waste Code: F009
- Waste Description: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Handler - Owner Operator:
- Owner/Operator Indicator: Owner
- Owner/Operator Name: VAL-KRO INC
- Legal Status: Private
- Date Became Current: Not reported
- Date Ended Current: Not reported
- Owner/Operator Address: 369 RIVER RD
- Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120-7199
- Owner/Operator Telephone: 716-694-5001
- Owner/Operator Telephone Ext: Not reported
- Owner/Operator Fax: Not reported
- Owner/Operator Email: Not reported

Historic Generators:
- Receive Date: 2006-01-01 00:00:00.0
- Handler Name: TONAWANDA VALVE 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

VAL-KRO INC (Continued) **1000121495**

Receive Date: 2008-03-10 00:00:00.0
Handler Name: VAL-KRO 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: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2008-03-09 00:00:00.0
Handler Name: VAL-KRO 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

Receive Date: 1996-10-11 00:00:00.0
Handler Name: TONAWANDA VALVE 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

Receive Date: 1992-02-26 00:00:00.0
Handler Name: VAL-KRO,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 Code: 332813
NAICS Description: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

VAL-KRO INC (Continued) **1000121495**

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
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

VAL-KRO INC (Continued) **1000121495**

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
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

VAL-KRO INC (Continued) **1000121495**

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

VAL-KRO INC (Continued) **1000121495**

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

VAL-KRO INC (Continued) **1000121495**

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

VAL-KRO INC (Continued) **1000121495**

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: 1992-04-27 00:00:00.0
Actual Return to Compliance Date: 1992-09-14 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1992-05-27 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1992-04-27 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: NYRFR
Enforcement Responsible Sub-Organization: R9
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

VAL-KRO INC (Continued) **1000121495**

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: 2001-02-22 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYKHE
Evaluation Responsible Sub-Organization: R9
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: 1989-03-14 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYDEC

VAL-KRO INC (Continued) **1000121495**

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:	2004-04-28 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYKHE
Evaluation Responsible Sub-Organization:	R9
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:	2012-12-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYNSL
Evaluation Responsible Sub-Organization:	R9
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:	1986-10-03 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:	2017-01-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYPRN
Evaluation Responsible Sub-Organization:	R9
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

VAL-KRO INC (Continued) **1000121495**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2005-09-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYNSL
Evaluation Responsible Sub-Organization:	R9
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:	1998-08-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYNSL
Evaluation Responsible Sub-Organization:	R9
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:	1992-02-12 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYRFR
Evaluation Responsible Sub-Organization:	R9
Actual Return to Compliance Date:	1992-09-14 00:00:00.0
Scheduled Compliance Date:	1992-05-27 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2008-02-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYTCT
Evaluation Responsible Sub-Organization:	R9
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

VAL-KRO INC (Continued) **1000121495**

US AIRS MINOR:
- Envid: 1000121495
- Region Code: 02
- Programmatic ID: AIR NY0000009291200037
- Facility Registry ID: 110001615011
- D and B Number: Not reported
- Primary SIC Code: 3471
- NAICS Code: 332813
- Default Air Classification Code: MIN
- Facility Type of Ownership Code: POF
- Air CMS Category Code: Not reported
- HPV Status: Not reported

Manifest Details:
- Year: 2007
- Manifest Number: 000275311JJK
- Manifest Type: Not reported
- Generator EPA Id: NYD980534275
- Generator Date: 02/07/2007
- Mailing Address: Not reported
- Mailing City,St,Zip: Not reported
- Contact Name: Not reported
- Contact Phone: 716-694-5001
- TSD EPA Id: PAD087561015
- TSD Date: Not reported
- TSD Facility Name: INMETCO
- TSD Facility Address: ONE INMETCO DRIVE
- TSD Facility City: ELLWOOD CITY
- TSD Facility State: PA
- Facility Telephone: Not reported
- Page Number: 1
- Line Number: 2
- Waste Number: D008
- Container Number: 1
- Container Type: Metal drums, barrels, kegs
- Waste Quantity: 800
- Unit: Pounds
- Handling Code: Not reported
- TSP EPA Id: Not reported
- Date TSP Sig: Not reported

- Year: 2007
- Manifest Number: 000275311JJK
- Manifest Type: Not reported
- Generator EPA Id: NYD980534275
- Generator Date: 02/07/2007
- Mailing Address: Not reported
- Mailing City,St,Zip: Not reported
- Contact Name: Not reported
- Contact Phone: 716-694-5001
- TSD EPA Id: PAD087561015
- TSD Date: Not reported
- TSD Facility Name: INMETCO
- TSD Facility Address: ONE INMETCO DRIVE
- TSD Facility City: ELLWOOD CITY
- TSD Facility State: PA

VAL-KRO INC (Continued) **1000121495**

Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D007
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	800
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2007
Manifest Number:	000275311JJK
Manifest Type:	Not reported
Generator EPA Id:	NYD980534275
Generator Date:	02/07/2007
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	716-694-5001
TSD EPA Id:	PAD087561015
TSD Date:	Not reported
TSD Facility Name:	INMETCO
TSD Facility Address:	ONE INMETCO DRIVE
TSD Facility City:	ELLWOOD CITY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D007
Container Number:	2
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	110
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2007
Manifest Number:	000275311JJK
Manifest Type:	Not reported
Generator EPA Id:	NYD980534275
Generator Date:	02/07/2007
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	716-694-5001
TSD EPA Id:	PAD087561015
TSD Date:	Not reported
TSD Facility Name:	INMETCO
TSD Facility Address:	ONE INMETCO DRIVE
TSD Facility City:	ELLWOOD CITY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1

VAL-KRO INC (Continued) **1000121495**

Waste Number: D002
Container Number: 2
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 110
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2006
Manifest Number: PAG454276
Manifest Type: TSD Copy
Generator EPA Id: NYD980534275
Generator Date: 01/19/2006
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: PAD087561015
TSD Date: Not reported
TSD Facility Name: INMETCO
TSD Facility Address: 245 PORTERSVILLE ROAD
TSD Facility City: ELLWOOD CITY
TSD Facility State: PA
Facility Telephone: 716-694-5001
Page Number: 1
Line Number: 1
Waste Number: D002
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 55
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2006
Manifest Number: PAH048436
Manifest Type: TSD Copy
Generator EPA Id: NYD980534275
Generator Date: 07/28/2006
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: PAD087561015
TSD Date: Not reported
TSD Facility Name: INMETCO
TSD Facility Address: 245 PORTERSVILLE ROAD
TSD Facility City: ELLWOOD CITY
TSD Facility State: PA
Facility Telephone: 716-694-5001
Page Number: 1
Line Number: 2
Waste Number: D007
Container Number: 1
Container Type: Metal drums, barrels, kegs

VAL-KRO INC (Continued) **1000121495**

Waste Quantity:	800
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2006
Manifest Number:	PAG454276
Manifest Type:	TSD Copy
Generator EPA Id:	NYD980534275
Generator Date:	01/19/2006
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	PAD087561015
TSD Date:	Not reported
TSD Facility Name:	INMETCO
TSD Facility Address:	245 PORTERSVILLE ROAD
TSD Facility City:	ELLWOOD CITY
TSD Facility State:	PA
Facility Telephone:	716-694-5001
Page Number:	1
Line Number:	2
Waste Number:	D007
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	800
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2006
Manifest Number:	PAH048436
Manifest Type:	TSD Copy
Generator EPA Id:	NYD980534275
Generator Date:	07/28/2006
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	PAD087561015
TSD Date:	Not reported
TSD Facility Name:	INMETCO
TSD Facility Address:	245 PORTERSVILLE ROAD
TSD Facility City:	ELLWOOD CITY
TSD Facility State:	PA
Facility Telephone:	716-694-5001
Page Number:	1
Line Number:	1
Waste Number:	D002
Container Number:	3
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	165
Unit:	Gallons (liquids only)
Handling Code:	Not reported

VAL-KRO INC (Continued) **1000121495**

TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2005
Manifest Number: PAG454274
Manifest Type: TSD Copy
Generator EPA Id: NYD980534275
Generator Date: 01/24/2005
Mailing Address: 369 RIVER RD
Mailing City,St,Zip: NORTH TONAWANDA, NY 14120
Contact Name: Not reported
Contact Phone: 716-694-5001
TSD EPA Id: PAD087561015
TSD Date: 01/26/2005
TSD Facility Name: INMETCO INC
TSD Facility Address: ONE INMETCO DR
TSD Facility City: ELLWOOD CITY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D007
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 55
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: NYD986903904
Date TSP Sig: 01/24/2005

Year: 2005
Manifest Number: PAG454274
Manifest Type: TSD Copy
Generator EPA Id: NYD980534275
Generator Date: 01/24/2005
Mailing Address: 369 RIVER RD
Mailing City,St,Zip: NORTH TONAWANDA, NY 14120
Contact Name: Not reported
Contact Phone: 716-694-5001
TSD EPA Id: PAD087561015
TSD Date: 01/26/2005
TSD Facility Name: INMETCO INC
TSD Facility Address: ONE INMETCO DR
TSD Facility City: ELLWOOD CITY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: D002
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 55
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: NYD986903904
Date TSP Sig: 01/24/2005

VAL-KRO INC (Continued) **1000121495**

Click this hyperlink while viewing on your computer to access
4 additional PA_MANIFEST: record(s) in the EDR Site Report.

S67 **VAL-KRO INC** **RCRA NonGen / NLR** **1010329139**
NNW **369 RIVER ROAD** **NYR000147694**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.230 mi.
1215 ft. **Site 2 of 3 in cluster S**

Relative: **Lower**
Actual: **570 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2017-01-24 00:00:00.0
Handler Name:	VAL-KRO INC	
Handler Address:		369 RIVER ROAD
Handler City,State,Zip:		NORTH TONAWANDA, NY 14120
EPA ID:		NYR000147694
Contact Name:		DAVID R JONES
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		216-332-7123
Contact Fax:		Not reported
Contact Email:		DAVE.JONES@TRW.COM
Contact Title:		Not reported
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 R9
Mailing Address:		EMERY ROAD
Mailing City,State,Zip:		WARRENSVILLE HEIGHTS, OH 44128
Owner Name:		VAL- KRO, INC
Owner Type:		Private
Operator Name:		TRW
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

VAL-KRO INC (Continued) **1010329139**

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:	2017-01-26 14:48:19.0
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: 2007

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

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

VAL-KRO INC (Continued) **1010329139**

Waste Code: D008
Waste Description: LEAD

Waste Code: D043
Waste Description: VINYL CHLORIDE

Waste Code: U032
Waste Description: CALCIUM CHROMATE (OR) CHROMIC ACID H2CRO4, CALCIUM SALT

Waste Code: U043
Waste Description: ETHENE, CHLORO- (OR) VINYL CHLORIDE

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: TRW
Legal Status: Private
Date Became Current: 2007-06-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 369 RIVER ROAD
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
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: TRW
Legal Status: Private
Date Became Current: 2007-06-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 369 RIVER ROAD
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
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: VAL- KRO, INC
Legal Status: Private
Date Became Current: 1981-04-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 369 RIVER ROAD
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
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: VAL-KRO INC
Legal Status: Private
Date Became Current: 1981-04-02 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

VAL-KRO INC (Continued) **1010329139**

Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	VAL- KRO, INC
Legal Status:	Private
Date Became Current:	1981-04-02 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	369 RIVER ROAD
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
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:	TRW
Legal Status:	Private
Date Became Current:	2007-05-31 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	369 RIVER ROAD
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
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:	TRW
Legal Status:	Private
Date Became Current:	2007-06-01 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:	Owner
Owner/Operator Name:	VAL- KRO, INC
Legal Status:	Private
Date Became Current:	1981-04-02 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	369 RIVER ROAD
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
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:	2007-06-24 00:00:00.0
Handler Name:	TRW TONAWANDA VALVE OPERATIONS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY

VAL-KRO INC (Continued) **1010329139**

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:	2009-03-09 00:00:00.0
Handler Name: VAL-KRO 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

Receive Date:	2017-01-24 00:00:00.0
Handler Name: VAL-KRO 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:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2007-06-25 00:00:00.0
Handler Name: TRW TONAWANDA VALVE OPERATIONS	
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:	2008-02-18 00:00:00.0
Handler Name: TRW TONAWANDA VALVE OPERATIONS	
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

VAL-KRO INC (Continued) **1010329139**

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

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

VAL-KRO INC (Continued) **1010329139**

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: 2009-01-16 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYTRN
Evaluation Responsible Sub-Organization: R6
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: 2017-01-10 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYPRN
Evaluation Responsible Sub-Organization: R9
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: 2017-01-12 00:00:00.0
Date Response Received: 2017-01-24 00:00:00.0
Request Agency: Not reported
Former Citation: Not reported

S68 **VAL-KRO INC.** **NY CBS** **S102639012**
NNW **369 RIVER RD.** **NY CBS AST** **N/A**
1/8-1/4 **N. TONAWANDA, NY 14120** **NY Spills**
0.230 mi. **NY MANIFEST**
1215 ft. **Site 3 of 3 in cluster S**

Relative:
Lower

Actual:
570 ft.

CBS:

Name:	VAL-KRO INDUSTRIAL PLATING, INC.
Address:	369 RIVER RD.
City,State,Zip:	NORTH TONAWANDA, NY 14120
CBS Number:	9-000213
Program Type:	CBS
Facility Status:	Unregulated/Closed
Expiration Date:	Not reported
Dec Region:	9
UTMX:	183837.14626
UTMY:	4771577.04833

CBS AST:

CBS Number:	9-000213
ICS Number:	9-178503
PBS Number:	Not reported
MOSF Number:	Not reported
SPDES Number:	Not reported
Facility Status:	IN SERVICE
Facility Type:	D
Telephone:	(716) 694-5001
Facility Town:	NORTH TONAWANDA (C)
Region:	STATE
Expiration Date:	07/17/2003
Total Capacity of All Active Tanks(gal):	710
Operator:	VAL-KRO INC.
Emergency Contact:	TIMOTHY M. DEAKIN
Emergency Phone:	(716) 759-7149
Owner Name:	VAL-KRO INC.
Owner Address:	369 RIVER RD.
Owner City,St,Zip:	N. TONAWANDA, NY 14120
Owner Telephone:	(716) 694-5001
Owner Type:	Corporate/Commercial
Owner Sub Type:	Not reported
Mail Name:	VAL-KRO INC.
Mail Contact Addr:	369 RIVER RD.
Mail Contact Addr2:	Not reported
Mail Contact Contact:	TIMOTHY M. DEAKIN
Mail Contact City,St,Zip:	N. TONAWANDA, NY 14120
Mail Phone:	(716) 694-5001

Tank Id:	003
CAS Number:	7786814
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	12/94
Tank Closed:	06/95
Capacity (Gal):	260
Chemical:	Nickel sulfate
Tank Location:	Indoors, Belowground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	2
Tank Secret:	False

VAL-KRO INC. (Continued) **S102639012**

Tank Secondary Containment:	Other
Tank Error Status:	No Missing Data
Date Entered:	07/17/1989
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	None
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	Catch Basin
Haz Percent:	20
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	2912
Lat/Long:	43|01|59 / 78|52|59
Is Updated:	False
Renew Date:	04/01/93
Is It There:	False
Delinquent:	False
Date Expired:	07/17/95
Owner Mark:	1
Certificate Needs to be Printed:	43|01|59 / 78|52|59
Fiscal Amt for Registration Fee Correct:	43|01|59 / 78|52|59
Renewal Has Been Printed for Facility:	43|01|59 / 78|52|59
Pre-Printed Renewal App Last Printed:	43|01|59 / 78|52|59

Tank Id:	004
CAS Number:	7697372
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	12/94
Tank Closed:	06/95
Capacity (Gal):	260
Chemical:	Nitric acid
Tank Location:	Indoors, Belowground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	2
Tank Secret:	False
Tank Secondary Containment:	Other
Tank Error Status:	No Missing Data
Date Entered:	07/17/1989
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	None
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	Catch Basin

VAL-KRO INC. (Continued) **S102639012**

Haz Percent:	30
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	2912
Lat/Long:	43|01|59 / 78|52|59
Is Updated:	False
Renew Date:	04/01/93
Is It There:	False
Delinquent:	False
Date Expired:	07/17/95
Owner Mark:	1
Certificate Needs to be Printed:	43|01|59 / 78|52|59
Fiscal Amt for Registration Fee Correct:	43|01|59 / 78|52|59
Renewal Has Been Printed for Facility:	43|01|59 / 78|52|59
Pre-Printed Renewal App Last Printed:	43|01|59 / 78|52|59

Tank Id:	005
CAS Number:	7786814
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	09/97
Tank Closed:	12/99
Capacity (Gal):	750
Chemical:	Nickel sulfate
Tank Location:	Indoors, Aboveground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	2
Tank Secret:	False
Tank Secondary Containment:	Other
Tank Error Status:	No Missing Data
Date Entered:	07/21/1999
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	Catch Basin
Haz Percent:	1
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	2912
Lat/Long:	43|01|59 / 78|52|59
Is Updated:	False
Renew Date:	04/01/93
Is It There:	False
Delinquent:	False
Date Expired:	07/17/95
Owner Mark:	1
Certificate Needs to be Printed:	43|01|59 / 78|52|59
Fiscal Amt for Registration Fee Correct:	43|01|59 / 78|52|59
Renewal Has Been Printed for Facility:	43|01|59 / 78|52|59

VAL-KRO INC. (Continued) **S102639012**

Pre-Printed Renewal App Last Printed: 43|01|59 / 78|52|59

Tank Id:	006
CAS Number:	1310732
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	08/97
Tank Closed:	12/99
Capacity (Gal):	750
Chemical:	Sodium hydroxide
Tank Location:	Indoors, Aboveground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	2
Tank Secret:	False
Tank Secondary Containment:	Other
Tank Error Status:	No Missing Data
Date Entered:	07/21/1999
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	Catch Basin
Haz Percent:	2
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	2912
Lat/Long:	43|01|59 / 78|52|59
Is Updated:	False
Renew Date:	04/01/93
Is It There:	False
Delinquent:	False
Date Expired:	07/17/95
Owner Mark:	1
Certificate Needs to be Printed:	43|01|59 / 78|52|59
Fiscal Amt for Registration Fee Correct:	43|01|59 / 78|52|59
Renewal Has Been Printed for Facility:	43|01|59 / 78|52|59
Pre-Printed Renewal App Last Printed:	43|01|59 / 78|52|59

Tank Id:	004
CAS Number:	7647010
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	08/97
Tank Closed:	12/99
Capacity (Gal):	300
Chemical:	Hydrochloric acid
Tank Location:	Indoors, Belowground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	2

VAL-KRO INC. (Continued) **S102639012**

Tank Secret:	False
Tank Secondary Containment:	Other
Tank Error Status:	No Missing Data
Date Entered:	07/21/1999
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	Catch Basin
Haz Percent:	10
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	2912
Lat/Long:	43|01|59 / 78|52|59
Is Updated:	False
Renew Date:	04/01/93
Is It There:	False
Delinquent:	False
Date Expired:	07/17/95
Owner Mark:	1
Certificate Needs to be Printed:	43|01|59 / 78|52|59
Fiscal Amt for Registration Fee Correct:	43|01|59 / 78|52|59
Renewal Has Been Printed for Facility:	43|01|59 / 78|52|59
Pre-Printed Renewal App Last Printed:	43|01|59 / 78|52|59

Tank Id:	002
CAS Number:	7786814
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	08/88
Tank Closed:	06/95
Capacity (Gal):	550
Chemical:	Nickel sulfate
Tank Location:	Indoors, Belowground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	2
Tank Secret:	False
Tank Secondary Containment:	Other
Tank Error Status:	No Missing Data
Date Entered:	07/17/1989
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	None
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other

VAL-KRO INC. (Continued) **S102639012**

Overfill Protection:	Catch Basin
Haz Percent:	20
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	2912
Lat/Long:	43|01|59 / 78|52|59
Is Updated:	False
Renew Date:	04/01/93
Is It There:	False
Delinquent:	False
Date Expired:	07/17/95
Owner Mark:	1
Certificate Needs to be Printed:	43|01|59 / 78|52|59
Fiscal Amt for Registration Fee Correct:	43|01|59 / 78|52|59
Renewal Has Been Printed for Facility:	43|01|59 / 78|52|59
Pre-Printed Renewal App Last Printed:	43|01|59 / 78|52|59

Tank Id:	001
CAS Number:	7697372
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	08/88
Tank Closed:	06/95
Capacity (Gal):	550
Chemical:	Nitric acid
Tank Location:	Indoors, Belowground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	2
Tank Secret:	False
Tank Secondary Containment:	Other
Tank Error Status:	No Missing Data
Date Entered:	07/17/1989
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	None
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	Catch Basin
Haz Percent:	30
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	2912
Lat/Long:	43|01|59 / 78|52|59
Is Updated:	False
Renew Date:	04/01/93
Is It There:	False
Delinquent:	False
Date Expired:	07/17/95
Owner Mark:	1
Certificate Needs to be Printed:	43|01|59 / 78|52|59
Fiscal Amt for Registration Fee Correct:	43|01|59 / 78|52|59

VAL-KRO INC. (Continued) **S102639012**

Renewal Has Been Printed for Facility: 43|01|59 / 78|52|59
Pre-Printed Renewal App Last Printed: 43|01|59 / 78|52|59

Tank Id: 003
CAS Number: 7697372
Federal ID: Not reported
Tank Status: In Service
Install Date: 07/97
Tank Closed: Not reported
Capacity (Gal): 500
Chemical: Nitric acid
Tank Location: Indoors, Aboveground
Tank Type: Fiberglass reinforced plastic [FRP]
Total Tanks: 2
Tank Secret: False
Tank Secondary Containment: 49
Tank Error Status: No Missing Data
Date Entered: 07/21/1997
Certified Date: 06/14/2001
Substance: Single Hazardous Substance on DEC List
Internal Protection: None
External Protection: None
Pipe Location: Aboveground
Pipe Type: Double Walled Fiberglass
Pipe Internal: None
Pipe External: None
Pipe Flag: None
Leak Detection: Other
Overfill Protection: 25
Haz Percent: 30
Last Test: Not reported
Due Date: Not reported
SWIS Code: 2912
Lat/Long: 43|01|59 / 78|52|59
Is Updated: False
Renew Date: 04/01/93
Is It There: False
Delinquent: False
Date Expired: 07/17/95
Owner Mark: 1
Certificate Needs to be Printed: 43|01|59 / 78|52|59
Fiscal Amt for Registration Fee Correct: 43|01|59 / 78|52|59
Renewal Has Been Printed for Facility: 43|01|59 / 78|52|59
Pre-Printed Renewal App Last Printed: 43|01|59 / 78|52|59

Tank Id: 002
CAS Number: 7786814
Federal ID: Not reported
Tank Status: In Service
Install Date: 06/95
Tank Closed: 12/99
Capacity (Gal): 210
Chemical: Nickel sulfate
Tank Location: Indoors, Belowground
Tank Type: Fiberglass reinforced plastic [FRP]

VAL-KRO INC. (Continued) **S102639012**

Total Tanks:	2
Tank Secret:	False
Tank Secondary Containment:	Other
Tank Error Status:	No Missing Data
Date Entered:	07/06/1995
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	None
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	Catch Basin
Haz Percent:	1
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	2912
Lat/Long:	43|01|59 / 78|52|59
Is Updated:	False
Renew Date:	04/01/93
Is It There:	False
Delinquent:	False
Date Expired:	07/17/95
Owner Mark:	1
Certificate Needs to be Printed:	43|01|59 / 78|52|59
Fiscal Amt for Registration Fee Correct:	43|01|59 / 78|52|59
Renewal Has Been Printed for Facility:	43|01|59 / 78|52|59
Pre-Printed Renewal App Last Printed:	43|01|59 / 78|52|59

Tank Id:	001
CAS Number:	7697372
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	06/95
Tank Closed:	Not reported
Capacity (Gal):	210
Chemical:	Nitric acid
Tank Location:	Indoors, Belowground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	2
Tank Secret:	False
Tank Secondary Containment:	49
Tank Error Status:	No Missing Data
Date Entered:	07/06/1995
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None

VAL-KRO INC. (Continued) **S102639012**

Leak Detection:	Other
Overfill Protection:	25
Haz Percent:	30
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	2912
Lat/Long:	43|01|59 / 78|52|59
Is Updated:	False
Renew Date:	04/01/93
Is It There:	False
Delinquent:	False
Date Expired:	07/17/95
Owner Mark:	1
Certificate Needs to be Printed:	43|01|59 / 78|52|59
Fiscal Amt for Registration Fee Correct:	43|01|59 / 78|52|59
Renewal Has Been Printed for Facility:	43|01|59 / 78|52|59
Pre-Printed Renewal App Last Printed:	43|01|59 / 78|52|59

Click this hyperlink while viewing on your computer to access additional NY_AST_CBS: detail in the EDR Site Report.

SPILLS:

Name:	SPILL NUMBER 8600081
Address:	369 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8600081 / 1986-06-20
Facility ID:	8600081
Facility Type:	ER
DER Facility ID:	72943
Site ID:	233373
DEC Region:	9
Spill Cause:	Vandalism
Spill Class:	Not reported
SWIS:	3212
Spill Date:	1986-03-23
Investigator:	MJHINTON
Referred To:	Not reported
Reported to Dept:	1986-04-03
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	1986-06-20
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1986-04-18
Spill Record Last Update:	1986-09-15
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJH "

VAL-KRO INC. (Continued) **S102639012**

Remarks: "PUNCTURED DRUMS-F.D. ON SCENE"

All Materials:

Site ID:	233373
Operable Unit ID:	897989
Operable Unit:	01
Material ID:	480264
Material Code:	0918A
Material Name:	elnic(rp-1&2)plt.sol
Case No.:	Not reported
Material FA:	Other
Quantity:	30.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	VAL-KRO
Address:	369 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9407881 / 1994-12-01
Facility ID:	9407881
Facility Type:	ER
DER Facility ID:	72943
Site ID:	78380
DEC Region:	9
Spill Cause:	Housekeeping
Spill Class:	E6
SWIS:	3212
Spill Date:	1994-09-01
Investigator:	SACALAND
Referred To:	NIAGARA CNTY HEALTH DEPT
Reported to Dept:	1994-09-13
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	1994-12-01
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-09-13
Spill Record Last Update:	1994-12-28
Spiller Name:	Not reported
Spiller Company:	NONE
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 SAC-NCHD 09/13/94: SAC/PAUL DROF, N. TON. WWTP/TELECON - SAYS VAL-KRO HAS SAMPLER PUT IN TROUGH IN MIDDLE OF PLANT MONTHLY. WWTP TAKES SPLIT QUARTERLY & MAKES 1 UNANNOUNCED INSPECTION A YEAR. WILL MAKE INSPECTION. 12/01/94: SAC/PAUL DROF, N. TON. WWTP/TELECON -UNSCHEDULED SAMPLING TOOK PLACE IN SEPT.,ALL PARAMETERS ARE IN COMPLIANCE PER P.DROF,RECEIVED COPY OF RESULTS FROM MR. DROF. 09/29/95: This is additional information about material spilled from

VAL-KRO INC. (Continued) **S102639012**

the translation of the old spill file: CHROMIC ACID WASH."
Remarks: "ALLEGEDLY DUMPING OILS, RESIDUES FROM CHROMIC ACID WASH AND NICKEL PLATING SOLUTION INTO SEWER MONTHLY."

All Materials:
Site ID: 78380
Operable Unit ID: 1005590
Operable Unit: 01
Material ID: 377339
Material Code: 0022
Material Name: waste oil/used oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

NY MANIFEST:
Name: VAL-KRO INC
Address: 369 RIVER ROAD
City,State,Zip: N TONAWANDA, NY 14120-0000
Country: USA
EPA ID: NYD980534275
Facility Status: Not reported
Location Address 1: 369 RIVER ROAD
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NORTH TONAWANDA
Location State: NY
Location Zip: 14120
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD980534275
Mailing Name: VAL-KRO INC
Mailing Contact: JOHN F WIEDEMER
Mailing Address 1: 369 RIVER ROAD
Mailing Address 2: Not reported
Mailing City: NORTH TONAWANDA
Mailing State: NY
Mailing Zip: 14120
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7166945001

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: Not reported
Trans1 State ID: NYD097644801
Trans2 State ID: Not reported
Generator Ship Date: 12/30/2014
Trans1 Recv Date: 12/30/2014

VAL-KRO INC. (Continued) **S102639012**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/05/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980534275
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	OHD066060609
TSDF ID 2:	Not reported
Manifest Tracking Number:	014015687JJK
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:	50
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:	D002
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

Name:	TRW TONAWANDA VALVE OPERATIONS
Address:	369 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYR000147694
Facility Status:	Not reported
Location Address 1:	369 RIVER ROAD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000147694

VAL-KRO INC. (Continued) **S102639012**

Mailing Name:	TRW TONAWANDA VALVE OPERATIONS
Mailing Contact:	DAVID JONES
Mailing Address 1:	19501 EMERY RD
Mailing Address 2:	Not reported
Mailing City:	WARRENSVILLE HEIGHTS
Mailing State:	OH
Mailing Zip:	44128
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2163327123

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	MAD039322250
Trans2 State ID:	NYD982792814
Generator Ship Date:	09/26/2007
Trans1 Recv Date:	09/26/2007
Trans2 Recv Date:	09/28/2007
TSD Site Recv Date:	10/08/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000147694
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	ARD069748192
TSDF ID 2:	Not reported
Manifest Tracking Number:	003710330JJK
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:	H040
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:	15
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D003
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported

VAL-KRO INC. (Continued) **S102639012**

Waste Code 1_5: Not reported
Waste Code 1_6: Not reported

Click this hyperlink while viewing on your computer to access
49 additional NY MANIFEST: record(s) in the EDR Site Report.

R69 **OCCIDENTAL CHEMICAL CORP** **RCRA NonGen / NLR** **1000447047**
NE **PRESS PIT 55 SCHENCK ST** **NY MANIFEST** **NYD986905263**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.231 mi.
1218 ft. **Site 2 of 2 in cluster R**

Relative: **Higher**
Actual: **574 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	OCCIDENTAL CHEMICAL CORP
Handler Address:	PRESS PIT 55 SCHENCK ST
Handler City,State,Zip:	NORTH TONAWANDA, NY 14120
EPA ID:	NYD986905263
Contact Name:	Not reported
Contact Address:	RAINBOW BLVD S BOX 728
Contact City,State,Zip:	NIAGARA FALLS, NY 14302
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 R9
Mailing Address:	RAINBOW BLVD S BOX 728
Mailing City,State,Zip:	NIAGARA FALLS, NY 14302
Owner Name:	VJT SALVAGE INC
Owner Type:	Private
Operator Name:	VJT SALVAGE INC
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:	---

OCCIDENTAL CHEMICAL CORP (Continued) **1000447047**

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:	U188
Waste Description:	PHENOL

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	VJT SALVAGE INC
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

OCCIDENTAL CHEMICAL CORP (Continued) **1000447047**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	VJT SALVAGE INC
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:	VJT SALVAGE INC
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:	1999-07-08 00:00:00.0
Handler Name:	OCCIDENTAL CHEMICAL 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:	OCCIDENTAL CHEMICAL 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:	OCCIDENTAL CHEMICAL CORP
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

OCCIDENTAL CHEMICAL CORP (Continued) **1000447047**

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:	1990-06-29 00:00:00.0
Handler Name:	OCCIDENTAL CHEMICAL 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 Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	OCCIDENTAL PETROLEUM CORP
Address:	PRESS PIT 55 SCHENCK ST
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYD986905263
Facility Status:	Not reported
Location Address 1:	673 WALCK RD
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	3493

NY MANIFEST:

EPAID:	NYD986905263
Mailing Name:	OCCIDENTAL PETROLEUM CORP
Mailing Contact:	RONALD M KROMER
Mailing Address 1:	PO BOX 535
Mailing Address 2:	Not reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14120
Mailing Zip 4:	Not reported

OCCIDENTAL CHEMICAL CORP (Continued) **1000447047**

Mailing Country: USA
Mailing Phone: 7162863639

NY MANIFEST:
Document ID: NYB4239504
Manifest Status: C
seq: Not reported
Year: 1994
Trans1 State ID: 80364VNY
Trans2 State ID: Not reported
Generator Ship Date: 03/02/1994
Trans1 Recv Date: 03/02/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 03/03/1994
Part A Recv Date: 03/17/1994
Part B Recv Date: 03/16/1994
Generator EPA ID: NYD986905263
Trans1 EPA ID: NYD982792814
Trans2 EPA ID: Not reported
TSDF ID 1: OHD000724153
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: D002 - NON-LISTED CORROSIVE WASTES
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 38394
Units: P - Pounds
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100

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70 West 1/8-1/4 0.231 mi. 1220 ft.

TAYLOR DEVICES INC
200 TAYLOR DR
NORTH TONAWANDA, NY 14120

RCRA-SQG **1000290592**
FINDS **NYD002105799**
ECHO
NY MANIFEST

Relative: Higher

Actual: 573 ft.

RCRA-SQG:
Date Form Received by Agency: 2007-01-01 00:00:00.0
Handler Name: TAYLOR DEVICES INC
Handler Address: 200 TAYLOR DR

TAYLOR DEVICES INC (Continued) **1000290592**

Handler City,State,Zip:	NORTH TONAWANDA, NY 14120
EPA ID:	NYD002105799
Contact Name:	Not reported
Contact Address:	TAYLOR DR
Contact City,State,Zip:	NORTH TONAWANDA, NY 14120
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:	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 R9
Mailing Address:	TAYLOR DR
Mailing City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner Name:	OWNERNAME
Owner Type:	Private
Operator Name:	OWNERNAME
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

TAYLOR DEVICES INC (Continued) **1000290592**

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:	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:	U165
Waste Description:	NAPHTHALENE
Waste Code:	U220
Waste Description:	BENZENE, METHYL- (OR) TOLUENE

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

TAYLOR DEVICES INC (Continued) **1000290592**

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

Historic Generators:

Receive Date:	1999-07-14 00:00:00.0
Handler Name: TAYLOR DEVICES 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

Receive Date:	2006-01-01 00:00:00.0
Handler Name: TAYLOR DEVICES 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

Receive Date:	2007-01-01 00:00:00.0
Handler Name: TAYLOR DEVICES INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

TAYLOR DEVICES INC (Continued) **1000290592**

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:	1984-10-31 00:00:00.0
Handler Name:	TAYLOR DEVICES 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:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	1986-08-13 00:00:00.0
Actual Return to Compliance Date:	1986-10-23 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1986-10-26 00:00:00.0
Enforcement Identifier:	001
Date of Enforcement Action:	1986-09-26 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

TAYLOR DEVICES INC (Continued) **1000290592**

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:	2001-01-10 00:00:00.0
Actual Return to Compliance Date:	2001-02-20 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	2001-02-22 00:00:00.0
Enforcement Identifier:	001
Date of Enforcement Action:	2001-01-22 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:	NYBRI
Enforcement Responsible Sub-Organization:	R9
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:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	2010-03-05 00:00:00.0
Actual Return to Compliance Date:	2010-03-26 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:	2010-03-09 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

TAYLOR DEVICES INC (Continued) **1000290592**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: 2010-04-01 00:00:00.0
Disposition Status: AS
Disposition Status Description: ACTION SATISFIED (CASE CLOSED)
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: NYTRN
Enforcement Responsible Sub-Organization: R9
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: 1994-12-14 00:00:00.0
Actual Return to Compliance Date: 1995-01-19 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 1995-01-14 00:00:00.0
Enforcement Identifier: 000
Date of Enforcement Action: 1994-12-14 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: NYRFR
Enforcement Responsible Sub-Organization: R9
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

TAYLOR DEVICES INC (Continued) **1000290592**

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:	2005-12-21 00:00:00.0
Actual Return to Compliance Date:	2005-12-21 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	2005-12-23 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:	NYTRN
Enforcement Responsible Sub-Organization:	R9
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

TAYLOR DEVICES INC (Continued) **1000290592**

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 - Pre-transport
Date Violation was Determined:	2012-06-19 00:00:00.0
Actual Return to Compliance Date:	2012-07-27 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:	2012-06-25 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:	NYKHE
Enforcement Responsible Sub-Organization:	R9
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

TAYLOR DEVICES INC (Continued) **1000290592**

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:	1997-10-27 00:00:00.0
Actual Return to Compliance Date:	1997-12-03 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1997-11-27 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	1997-10-27 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:	NYNSL
Enforcement Responsible Sub-Organization:	R9
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 - Pre-transport
Date Violation was Determined:	2012-06-19 00:00:00.0
Actual Return to Compliance Date:	2012-07-27 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:	2012-06-25 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

TAYLOR DEVICES INC (Continued) **1000290592**

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: NYKHE
Enforcement Responsible Sub-Organization: R9
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: 2003-03-13 00:00:00.0
Actual Return to Compliance Date: 2003-03-13 00:00:00.0
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 2003-03-18 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: NYRG9
Enforcement Responsible Sub-Organization: R9
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

TAYLOR DEVICES INC (Continued) **1000290592**

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:	1994-12-14 00:00:00.0
Actual Return to Compliance Date:	1995-01-19 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	1995-01-14 00:00:00.0
Enforcement Identifier:	000
Date of Enforcement Action:	1994-12-14 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:	NYRFR
Enforcement Responsible Sub-Organization:	R9
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

TAYLOR DEVICES INC (Continued) **1000290592**

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
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

TAYLOR DEVICES INC (Continued) **1000290592**

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:	1986-08-13 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:	1986-10-23 00:00:00.0
Scheduled Compliance Date:	1986-10-26 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2001-01-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYBRI
Evaluation Responsible Sub-Organization:	R9
Actual Return to Compliance Date:	2001-02-20 00:00:00.0
Scheduled Compliance Date:	2001-02-22 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2010-03-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYTRN
Evaluation Responsible Sub-Organization:	R9
Actual Return to Compliance Date:	2010-03-26 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:	1994-12-01 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYRFR
Evaluation Responsible Sub-Organization:	R9
Actual Return to Compliance Date:	1995-01-19 00:00:00.0
Scheduled Compliance Date:	1995-01-14 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported

TAYLOR DEVICES INC (Continued) **1000290592**

Former Citation:	Not reported
Evaluation Date:	2005-12-21 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYTRN
Evaluation Responsible Sub-Organization:	R9
Actual Return to Compliance Date:	2005-12-21 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:	2007-06-27 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYALS
Evaluation Responsible Sub-Organization:	R9
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:	2012-06-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYKHE
Evaluation Responsible Sub-Organization:	R9
Actual Return to Compliance Date:	2012-07-27 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:	1997-10-23 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYNSL
Evaluation Responsible Sub-Organization:	R9
Actual Return to Compliance Date:	1997-12-03 00:00:00.0
Scheduled Compliance Date:	1997-11-27 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	2012-06-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes

TAYLOR DEVICES INC (Continued) **1000290592**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYKHE
Evaluation Responsible Sub-Organization:	R9
Actual Return to Compliance Date:	2012-07-27 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:	2003-03-13 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	R9
Actual Return to Compliance Date:	2003-03-13 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:	1994-12-01 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYRFR
Evaluation Responsible Sub-Organization:	R9
Actual Return to Compliance Date:	1995-01-19 00:00:00.0
Scheduled Compliance Date:	1995-01-14 00:00:00.0
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2019-11-20 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2EJG
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:	2016-09-19 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYNSL
Evaluation Responsible Sub-Organization:	R9
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported

TAYLOR DEVICES INC (Continued) **1000290592**

Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

FINDS:
Registry ID: 110009464908

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000290592
Registry ID: 110009464908
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110009464908
Name: TAYLOR DEVICES INC
Address: 200 TAYLOR DR
City,State,Zip: NORTH TONAWANDA, NY 14120

NY MANIFEST:
Name: TAYLOR DEVICES INC
Address: 200 TAYLOR DR
City,State,Zip: NORTH TONAWANDA, NY 14120
Country: USA
EPA ID: NYD002105799
Facility Status: Not reported
Location Address 1: 90 TAYLOR DR
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: NORTH TONAWANDA
Location State: NY
Location Zip: 14150
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD002105799
Mailing Name: TAYLOR DEVICES INC
Mailing Contact: GREG HANSON
Mailing Address 1: 90 TAYLOR DR
Mailing Address 2: Not reported
Mailing City: NORTH TONAWANDA
Mailing State: NY
Mailing Zip: 14120
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7166940800

TAYLOR DEVICES INC (Continued) **1000290592**

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:	12/28/2015
Trans1 Recv Date:	12/28/2015
Trans2 Recv Date:	12/29/2015
TSD Site Recv Date:	01/09/2016
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002105799
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	ARD069748192
TSDF ID 2:	Not reported
Manifest Tracking Number:	005092198SKS
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:	H040
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:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	F005
Waste Code 1_2:	D001
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

O71 **GOBLIN CLEANERS** **RCRA NonGen / NLR** **1007111941**
ESE **78 OLIVER ST** **NY MANIFEST** **NYD012977021**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.234 mi.
1235 ft. **Site 3 of 3 in cluster O**

Relative: **Higher**

Actual: **575 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		2007-01-01 00:00:00.0
Handler Name:	GOBLIN CLEANERS	
Handler Address:		78 OLIVER ST
Handler City,State,Zip:		NORTH TONAWANDA, NY 14120-6004
EPA ID:		NYD012977021
Contact Name:		Not reported
Contact Address:		OLIVER ST
Contact City,State,Zip:		NORTH TONAWANDA, NY 14120
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 R9
Mailing Address:		OLIVER ST
Mailing City,State,Zip:		NORTH TONAWANDA, NY 14120
Owner Name:		ELLEN BERGER
Owner Type:		Private
Operator Name:		ELLEN BERGER
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

GOBLIN CLEANERS (Continued) **1007111941**

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:	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:	ELLEN BERGER
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

GOBLIN CLEANERS (Continued) **1007111941**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ELLEN BERGER
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:	ELLEN BERGER
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:	1999-07-08 00:00:00.0
Handler Name: GOBLIN CLEANERS	
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: GOBLIN CLEANERS	
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: GOBLIN CLEANERS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

GOBLIN CLEANERS (Continued) **1007111941**

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: 1988-06-24 00:00:00.0
Handler Name: GOBLIN CLEANERS
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
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

GOBLIN CLEANERS (Continued) **1007111941**

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:	1992-11-24 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYRFR
Evaluation Responsible Sub-Organization:	R9
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

NY MANIFEST:

Name:	GOBLIN CLEANERS
Address:	78 OLIVER ST
City,State,Zip:	NORTH TONAWANDA, NY 14120-6004
Country:	USA
EPA ID:	NYD012977021
Facility Status:	Not reported
Location Address 1:	78 OLIVER STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD012977021
Mailing Name:	GOBLIN CLEANERS
Mailing Contact:	GOBLIN CLEANERS
Mailing Address 1:	78 OLIVER STREET
Mailing Address 2:	Not reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14150
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7166934768

NY MANIFEST:

Document ID:	NYC2365525
Manifest Status:	C
seq:	Not reported
Year:	1993
Trans1 State ID:	NYGA6403

GOBLIN CLEANERS (Continued) **1007111941**

Trans2 State ID:	Not reported
Generator Ship Date:	06/28/1993
Trans1 Recv Date:	06/28/1993
Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/28/1993
Part A Recv Date:	07/09/1993
Part B Recv Date:	07/09/1993
Generator EPA ID:	NYD012977021
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD981556541
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:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00135
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

T72 **GATEWAY POINT 2** **US BROWNFIELDS** **1016346979**
SSW **18 DOCK STREET** **FINDS** **N/A**
1/8-1/4 **NORTH TONAWANDA, NY 14120**
0.248 mi.
1310 ft. **Site 1 of 4 in cluster T**

Relative: **Lower**
Actual: **566 ft.**

US BROWNFIELDS:

Name:	GATEWAY POINT 2
Address:	18 DOCK STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.09-1-2
Parcel size:	0.69
Latitude:	43.023297
Longitude:	-78.881061
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-

GATEWAY POINT 2 (Continued) **1016346979**

Datum:	World Geodetic System of 1984
Acres Property ID:	60261
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	383
Assessment Funding Source:	-
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:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	4/1/2005
Ownership Entity:	Private
Completion Date:	4/1/2005
Current Owner:	James Holler
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
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:	Y
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-

GATEWAY POINT 2 (Continued) **1016346979**

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:	0.69
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:	Y
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 property runs along the Niagara River. Property access is via a

GATEWAY POINT 2 (Continued) **1016346979**

narrow road off River Road. From the mid to late 1800s, the area was used as a lumberyard and processing facility with associated boat slips and rail lines. Related planning mills and box factories became more prevalent in the early 1900s. Beginning in the 1950s, the area was developed as a seasonal boat storage facility. Construction of boathouses accelerated after World War II, and as many as 44 were constructed on the property.

Below Poverty Number:	431
Below Poverty Percent:	27.14
Meidan Income:	1947
Meidan Income Number:	818
Meidan Income Percent:	51.51
Vacant Housing Number:	182
Vacant Housing Percent:	16.43
Unemployed Number:	94
Unemployed Percent:	5.92

FINDS:
Registry ID: 110038715245

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.

T73 **GATEWAY POINT 3** **US BROWNFIELDS** **1016346980**
SSW **16 DOCK STREET** **FINDS** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.251 mi.
1326 ft. **Site 2 of 4 in cluster T**

Relative: **Lower**
Actual: **563 ft.**

US BROWNFIELDS:

Name:	GATEWAY POINT 3
Address:	16 DOCK STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.09-1-30
Parcel size:	0.46
Latitude:	43.022803
Longitude:	-78.8808339
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	60281
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-

GATEWAY POINT 3 (Continued) **1016346980**

Assessment Funding:	383
Assessment Funding Source:	-
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:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	4/1/2005
Ownership Entity:	Private
Completion Date:	4/1/2005
Current Owner:	Little River Club
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
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:	Y
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:	-

GATEWAY POINT 3 (Continued) **1016346980**

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:	0.46
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:	Y
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 property runs along the Niagara River. Property access is via a narrow road off River Road. From the mid to late 1800s, the area was used as a lumberyard and processing facility with associated boat slips and rail lines. Related planning mills and box factories became more prevalent in the early 1900s. Beginning in the 1950s, the area was developed as a seasonal boat storage facility. Construction of boathouses accelerated after World War II, and as many as 44 were constructed on the property.
Below Poverty Number:	481
Below Poverty Percent:	27.53

GATEWAY POINT 3 (Continued) **1016346980**

Meidan Income:	1947
Meidan Income Number:	888
Meidan Income Percent:	50.83
Vacant Housing Number:	203
Vacant Housing Percent:	16.83
Unemployed Number:	108
Unemployed Percent:	6.18

FINDS:
Registry ID: 110038715254

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.

U74 **34-38 WEBSTER STREET PROPERTY** **US BROWNFIELDS** **1016354656**
SSE **38 WEBSTER STREET** **FINDS** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.252 mi.
1331 ft. **Site 1 of 3 in cluster U**

Relative:
Higher

Actual:
572 ft.

US BROWNFIELDS:

Name:	34-38 WEBSTER STREET PROPERTY
Address:	38 WEBSTER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.37-1-16
Parcel size:	0.25
Latitude:	43.022901
Longitude:	-78.878179
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	101784
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1500
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

34-38 WEBSTER STREET PROPERTY (Continued) **1016354656**

Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	7/13/2009
Ownership Entity:	Government
Completion Date:	-
Current Owner:	Lumber City Development Corporation
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
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:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-

34-38 WEBSTER STREET PROPERTY (Continued) **1016354656**

Past use commercial acreage:	0.25
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
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 property is located in the downtown area of the City of North Tonawanda and consists of two jointed buildings. The buildings were built in 1893 and have a variety of usage over the years including commercial stores, a theater, and apartments.
Below Poverty Number:	722
Below Poverty Percent:	30.84
Meidan Income:	5144
Meidan Income Number:	1165
Meidan Income Percent:	49.77
Vacant Housing Number:	258
Vacant Housing Percent:	17.12
Unemployed Number:	136
Unemployed Percent:	5.81

FINDS:
Registry ID: 110040821206

Click Here:

34-38 WEBSTER STREET PROPERTY (Continued) **1016354656**

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.

75
SE
1/4-1/2
0.252 mi.
1333 ft.

Relative:
Higher

Actual:
575 ft.

NYNEX
95 TREMONT ST
NORTH TONAWANDA, NY 14120

NY LTANKS **1000137036**
NY Spills **NYD981484405**
RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST

LTANKS:

Name:	NEW YORK TELEPHONE
Address:	95 TREMONT STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9402427 / 1994-06-15
Facility ID:	9402427
Site ID:	80475
Spill Date:	1994-05-18
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	1994-06-15
SWIS:	3212
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	1994-05-18
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	1994-05-20
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1994-05-19
Spill Record Last Update:	1994-07-11
Spiller Name:	Not reported
Spiller Company:	NEW YORK TELEPHONE
Spiller Address:	158 STATE STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	74576
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 06/15/94: RECEIVED INCIDENT REPORT FROM B.BUZZELLI/NCHD. NO FURTHER ACTION REQUIRED. "
Remarks:	"TANK TEST FAILURE."

All TTF:

Facility ID:	9402427
Spill Number:	9402427
Spill Tank Test:	1542747

NYNEX (Continued) **1000137036**

Site ID: 80475
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: 80475
Operable Unit ID: 996215
Operable Unit: 01
Material ID: 382618
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

SPILLS:
Name: VERIZON
Address: 95 TREMONT STREET
City,State,Zip: NORTH TONAWANDA, NY
Spill Number/Closed Date: 0211918 / 2003-08-20
Facility ID: 0211918
Facility Type: ER
DER Facility ID: 196003
Site ID: 237980
DEC Region: 9
Spill Cause: Unknown
Spill Class: C3
SWIS: 1500
Spill Date: 2003-02-11
Investigator: SACALAND
Referred To: Not reported
Reported to Dept: 2003-03-03
CID: 204
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: 2003-08-11
Recommended Penalty: False
UST Trust: False

NYNEX (Continued) **1000137036**

Remediation Phase: 0
Date Entered In Computer: 2003-03-03
Spill Record Last Update: 2004-05-28
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller Company: 001
Contact Name: CLAUDIA TACCETTA-VICARI
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 3/4/03:SAC TELECON CLAUDIA TACCETTA-VICARI, MS. VICARI SAID THAT A REPRESENTATIVE THE SITE NOTICED A SHEEN IN THE SUMP LAST SEPTEMBER, AT THE TIME THEY PUMPED AND CLEANED OUT THE SUMP BUT IT HAS SINCE REAPPEARED, MS. TACCETTA-VICARI SAID THAT UPON IT REAPPEARING LAST MONTH SHE HAD IT SAMPLED AND ANALYZED AND THE RESULTS CAME BACK POSITIVE FOR LUBE OIL (RESULTS WERE FAXED TO SAC), SHE IS GOING TO HAVE C&W ENVIRONMENTAL CLEAN OUT THE SUMP AND PIPING, SHE IS HAVING HER CONSULTANT, JEFF BOHLEN OF ENVIROTRAC (PHONE NO. 631-471-1500) COME TO THE SITE NEXT WEEK TO INSPECT AREA AND MAKE RECOMMENDATIONS ON THEIR NEXT STEP. 3/4/03:SAC TELECON CHARISSE BROWN - C&W ENVIRONMENTAL, MS. BROWN IS THE PROJECT MANAGER FOR THE SITE AND WILL SEND IN DISPOSAL RECEIPTS FOR THE SITE ONCE IT HAS BEEN COMPLETED. 8/5/03:RECEIVED REPORT FROM VERIZON INDICATING THE MATERIAL IN THE SUMP WAS A LUBRICATING TYPE OIL, THEY HAVE BEEN INSPECTING THE SUMP AND NO FURTHER PRODUCT WAS FOUND IN THE SUMP, DISPOSAL RECEIPTS WERE INCLUDED IN REPORT. 8/11/03:SAC INSPECT SITE, MET W/PATRICK MILNER & PAUL KUTECKI OF VERIZON, CHECKED SUMP, THERE WAS AN ODOR THAT MIGHT HAVE BEEN MORE OF A MOTOR OIL, THERE WAS A FILM ON THE WATER BUT NO RAINBOW SHEEN WAS OBSERVED, THERE WAS SOME SEDIMENT AS WELL FLOATING ON THE SUMP WATER, THE OTHER SUMPS HAD A SLIGHT FILM BUT NO RAINBOW SHEEN, NO SOURCE EVIDENT, PRODUCT WAS COLLECTED PREVIOUSLY TO BE PUT INTO A WASTE OIL TANK, IT HAD THE APPEARANCE AND ODOR OF A LUBE OIL, ONLY TANK ON-SITE IS DIESEL TANK FOR THE BACKUP GENERATOR, MR. MILNER SAID THEY NOW CHECK SUMP EVERY SIX MONTHS SO IF PRODUCT IS OBSERVED AGAIN THEY WILL NOTIFY DEC, NO FURTHER WORK REQUIRED. 8/20/03:SAC TELECON CLAUDIA VICARI, NO BORINGS OR SUBSURFACE INVESTIGATION WORK WAS DONE AROUND THE BUILDING, CLOSEOUT FILE."
Remarks: "INTO SUMP AREA - SAMPLES ARE BACK AND THEY STATE THAT ALL BUT LUBE OIL IS 18200PPM AND LUBE OIL IS 47200PPM."

All Materials:
Site ID: 237980
Operable Unit ID: 862927
Operable Unit: 01
Material ID: 511700
Material Code: 0013
Material Name: lube oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .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: NYNEX

NYNEX (Continued) **1000137036**

Handler Address:	95 TREMONT ST
Handler City,State,Zip:	NORTH TONAWANDA, NY 14120-5910
EPA ID:	NYD981484405
Contact Name:	Not reported
Contact Address:	E 37TH ST
Contact City,State,Zip:	NEW YORK, NY 10016
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 R9
Mailing Address:	E 37TH ST
Mailing City,State,Zip:	NEW YORK, NY 10016
Owner Name:	NYNEX
Owner Type:	Private
Operator Name:	NYNEX
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

NYNEX (Continued) **1000137036**

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:	NONE
Waste Description:	Not Defined
Waste Code:	X002
Waste Description:	Not Defined

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NYNEX
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	95 TREMONT ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14150
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:	NYNEX
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	95 TREMONT ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14150
Owner/Operator Telephone:	212-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

NYNEX (Continued) **1000137036**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NYNEX
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	95 TREMONT ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14150
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: NYNEX	
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: NYNEX	
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: NYNEX	
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:	1995-01-17 00:00:00.0
Handler Name: NYNEX	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No

NYNEX (Continued) **1000137036**

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 Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110006445123

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000137036
Registry ID:	110006445123
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110006445123
Name:	NYNEX
Address:	95 TREMONT ST
City,State,Zip:	NORTH TONAWANDA, NY 14120

NY MANIFEST:

Name:	NEW YORK TELEPHONE CO
Address:	95 TREMONT ST
City,State,Zip:	NORTH TONAWANDA, NY 14120-5910
Country:	USA
EPA ID:	NYD981484405
Facility Status:	Not reported
Location Address 1:	95 TREMONT ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120

NYNEX (Continued) **1000137036**

Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD981484405
Mailing Name:	NEW YORK TELEPHONE CO
Mailing Contact:	NEW YORK TELEPHONE CO
Mailing Address 1:	101 EXECUTIVE BLVD
Mailing Address 2:	Not reported
Mailing City:	ELMSFORD
Mailing State:	NY
Mailing Zip:	10523
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9143452843

NY MANIFEST:

Document ID:	NYB4867353
Manifest Status:	K
seq:	Not reported
Year:	1994
Trans1 State ID:	OH084
Trans2 State ID:	Not reported
Generator Ship Date:	12/06/1994
Trans1 Recv Date:	12/06/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/27/1994
Part A Recv Date:	12/22/1994
Part B Recv Date:	01/10/1995
Generator EPA ID:	NYD981484405
Trans1 EPA ID:	OHD981100969
Trans2 EPA ID:	Not reported
TSDF ID 1:	OHD981960123
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:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00968
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

NYNEX (Continued) **1000137036**

Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00041
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

V76 **SMURFIT-STONE CONTAINER CORP** **NY LTANKS** **1000281537**
North **51 ROBINSON ST** **NY CBS** **NYD002208148**
1/4-1/2 **NORTH TONAWANDA, NY 14120** **RCRA NonGen / NLR**
0.254 mi. **FINDS**
1342 ft. **Site 1 of 3 in cluster V** **ECHO**
NY MANIFEST

Relative:
Higher

Actual:
572 ft.

LTANKS:

Name:	LAWLESS
Address:	51 ROBINSON STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9310710 / 1994-01-06
Facility ID:	9310710
Site ID:	163575
Spill Date:	1993-12-03
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	1994-01-06
SWIS:	3212
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	1993-12-03
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:	1993-12-06
Spill Record Last Update:	1994-01-18
Spiller Name:	Not reported
Spiller Company:	LAWLESS CONTAINER
Spiller Address:	51 ROBINSON STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	137962
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RMC 12/23/93: RMC/B+D/PHONE TANK REPAIRED, RETEST SCHEDULED FOR 12/29, RESULTS DUE 1/30/94. 12/31/93: RMC/B+D/PHONE TANK FAILED

SMURFIT-STONE CONTAINER CORP (Continued) **1000281537**

RETEST, LETTER, RESONSE DUE 2/15/94. 01/06/94: RMC/B+D/PHONE TANK FAILED RETEST, LETTER, RESONSE DUE 2/15/94 DUPLICATE OF 9309988, CLOSE OUT. "
Remarks: "TANK TEST FAILURE. DUPLICATE OF 9309988"

All TTF:
Facility ID: 9310710
Spill Number: 9310710
Spill Tank Test: 1542258
Site ID: 163575
Tank Number: Not reported
Tank Size: 0
Material: 0003
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: 163575
Operable Unit ID: 992568
Operable Unit: 01
Material ID: 554029
Material Code: 0003A
Material Name: #6 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

CBS:
Name: WESTROCK CP, LLC
Address: 51 ROBINSON STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
CBS Number: 9-000407
Program Type: CBS
Facility Status: Unregulated/Closed
Expiration Date: Not reported
Dec Region: 9
UTMX: 183909.99793
UTMY: 4771635.00929

RCRA NonGen / NLR:
Date Form Received by Agency: 2007-01-01 00:00:00.0
Handler Name: SMURFIT-STONE CONTAINER CORP
Handler Address: 51 ROBINSON ST
Handler City,State,Zip: NORTH TONAWANDA, NY 14120

SMURFIT-STONE CONTAINER CORP (Continued) **1000281537**

EPA ID:	NYD002208148
Contact Name:	DAVID HROMOWYK
Contact Address:	ROBINSON ST
Contact City,State,Zip:	NORTH TONAWANDA, NY 14120
Contact Telephone:	716-692-6510
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
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 R9
Mailing Address:	ROBINSON ST
Mailing City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner Name:	ST LAURENT PAPERBOARD US-1 INC
Owner Type:	Private
Operator Name:	ST LAURENT PAPERBOARD US-1 INC
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

SMURFIT-STONE CONTAINER CORP (Continued) **1000281537**

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:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	NONE
Waste Description:	Not Defined

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ST LAURENT PAPERBOARD US-1 INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	150 N MICHIGAN AVE
Owner/Operator City,State,Zip:	CHICAGO, IL 60601
Owner/Operator Telephone:	312-346-6600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	ST LAURENT PAPERBOARD US-1 INC
Legal Status:	Private
Date Became Current:	2001-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	150 N MICHIGAN AVE
Owner/Operator City,State,Zip:	CHICAGO, IL 60601
Owner/Operator Telephone:	312-346-6600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

SMURFIT-STONE CONTAINER CORP (Continued) **1000281537**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ST LAURENT PAPERBOARD US-1 INC
Legal Status: Private
Date Became Current: 2001-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 150 N MICHIGAN AVE
Owner/Operator City,State,Zip: CHICAGO, IL 60601
Owner/Operator Telephone: 312-346-6600
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 1995-03-29 00:00:00.0
Handler Name: SMURFIT-STONE CONTAINER CORP
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: 2006-01-01 00:00:00.0
Handler Name: SMURFIT-STONE CONTAINER 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: 2004-08-31 00:00:00.0
Handler Name: SMURFIT-STONE CONTAINER 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: SMURFIT-STONE CONTAINER CORP
Federal Waste Generator Description: Not a generator, verified

SMURFIT-STONE CONTAINER CORP (Continued) **1000281537**

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: 1995-08-04 00:00:00.0
Handler Name: SMURFIT-STONE CONTAINER CORP
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: 2000-10-02 00:00:00.0
Handler Name: SMURFIT-STONE CONTAINER CORP
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: 2002-06-11 00:00:00.0
Handler Name: SMURFIT-STONE CONTAINER CORP
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

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

SMURFIT-STONE CONTAINER CORP (Continued) **1000281537**

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
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported

SMURFIT-STONE CONTAINER CORP (Continued) **1000281537**

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

SMURFIT-STONE CONTAINER CORP (Continued) **1000281537**

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: 2002-09-13 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYNSL
Evaluation Responsible Sub-Organization: R9
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: 2010-01-20 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: NYTRN
Evaluation Responsible Sub-Organization: R9
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported

SMURFIT-STONE CONTAINER CORP (Continued) **1000281537**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	1993-11-10 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYNSL
Evaluation Responsible Sub-Organization:	R9
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:	1990-08-01 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

FINDS:
Registry ID: 110009465266

Click Here:

Environmental Interest/Information System:
OSHA ESTABLISHMENT
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:	1000281537
Registry ID:	110009465266
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009465266
Name:	ROCK TENN NORTH TONAWANDA
Address:	51 ROBINSON ST

SMURFIT-STONE CONTAINER CORP (Continued) **1000281537**

City,State,Zip: NORTH TONAWANDA, NY 14120

NY MANIFEST:

Name:	WEST ROCK CP LLC
Address:	51 ROBINSON ST
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYD002208148
Facility Status:	Not reported
Location Address 1:	51 ROBINSON STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD002208148
Mailing Name:	WEST ROCK CP LLC
Mailing Contact:	WEST ROCK COMPANY
Mailing Address 1:	51 ROBINSON STREET
Mailing Address 2:	Not reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14120
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7166926510

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	07/29/2013
Trans1 Recv Date:	07/29/2013
Trans2 Recv Date:	08/05/2013
TSD Site Recv Date:	08/17/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002208148
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	KYD053348108
TSDF ID 2:	Not reported
Manifest Tracking Number:	006893265FLE
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

SMURFIT-STONE CONTAINER CORP (Continued) **1000281537**

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:	1
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	F003
Waste Code 1_2:	F005
Waste Code 1_3:	D001
Waste Code 1_4:	D005
Waste Code 1_5:	D006
Waste Code 1_6:	Not reported

V77 **LAWLESS CONTAINER CORPORATION** **NY LTANKS** **U003316415**
North **51 ROBINSON STREET** **NY UST** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.254 mi.
1342 ft. **Site 2 of 3 in cluster V**

Relative:
Higher

Actual:
572 ft.

LTANKS:

Name:	LAWLESS CONTAINER
Address:	51-93 ROBINSON STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9309988 / 1994-03-11
Facility ID:	9309988
Site ID:	142951
Spill Date:	1993-11-16
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	1994-03-11
SWIS:	3212
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1993-11-16
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	1994-01-11
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1993-11-18
Spill Record Last Update:	1994-03-11
Spiller Name:	Not reported
Spiller Company:	LAWLESS CONTAINER

LAWLESS CONTAINER CORPORATION (Continued) **U003316415**

Spiller Address:	51-93 ROBINSON STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	121960
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 11/16/93: JDC/CHUCK TITUS/SITE - NO OBVIOUS INDICATIONS OF PETROLEUM CONTAMINATION IN EITHER EXCAVATION. CONTRACTOR FAMILIAR W/REQUIRED SAMPLING. WILL REVIEW SAMPLE RESULTS WHEN AVAILABLE. 11/18/93: SAC/MIKE FARNSWORTH/TELECON - WHILE REMOVING 2 TANKS, SHEEN NOTED IN GROUNDWATER. PLACED MONITORING WELLS IN BOTH EXCAVATIONS. WILL ANALYZE USING 8021 AND 8270. 11/22/93: JDC/SITE - BOTH EXCAVATIONS BACKFILLED. ONE OBSERVATION WELL SITUATED W/LOCKING CAP NEAR BUILDING. SOIL REMOVED FROM EXCAVATION STOCKPILED ON-SITE & COVERED W/PLASTIC. 01/11/94: JDC MET W/MR. MCANDREW AND DISCUSSED REMEDIATION OPTIONS. SENT LETTER OUTLINING SAME. 03/07/94: DRAFTED LETTER TO RP REQUESTING SOIL DISPOSAL AND WELL SAMPLING PAPERWORK. 10,000 GALLON TANK TO BE ABANDONED BASED ON SATISFACTORY SOIL ANALYSIS. 03/11/94: JDC REVIEWED GW ANALYSIS FOR MW #1 & #2 AND FOUND RESULTS ACCEPTABLE AS MEASURED W/STARS MEMO #1 TO IDENTIFY THIS SITE AS INACTIVE. . "
Remarks:	"CONTAMINATED SOIL DISCOVERED DURING TANK REMOVAL. DUPLICATE, 9310710 CLOSED"

All TTF:

Facility ID:	9309988
Spill Number:	9309988
Spill Tank Test:	1542216
Site ID:	142951
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:	142951
Operable Unit ID:	991688
Operable Unit:	01
Material ID:	392627
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00

LAWLESS CONTAINER CORPORATION (Continued) **U003316415**

Oxygenate: Not reported

UST:
Name: LAWLESS CONTAINER CORPORATION
Address: 51 ROBINSON STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Id/Status: 9-022276 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 9
Expiration Date: N/A
UTM X: 183909.99793
UTM Y: 4771635.00929
Site Type: Manufacturing (Other than Chemical)/Processing

Affiliation Records:
Site Id: 52076
Affiliation Type: Facility Owner
Company Name: LAWLESS CONTAINER CORPORATION
Contact Type: Not reported
Contact Name: Not reported
Address1: 51 ROBINSON STREET
Address2: Not reported
City: NORTH TONAWANDA
State: NY
Zip Code: 14120
Country Code: 001
Phone: (716) 692-6510
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 52076
Affiliation Type: Mail Contact
Company Name: LAWLESS CONTAINER CORPORATION
Contact Type: Not reported
Contact Name: ROBERT J MCANDREW
Address1: 51 ROBINSON STREET
Address2: Not reported
City: NORTH TONAWANDA
State: NY
Zip Code: 14120
Country Code: 001
Phone: (716) 692-6510
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 52076
Affiliation Type: Facility Operator
Company Name: LAWLESS CONTAINER CORPORATION
Contact Type: Not reported
Contact Name: LAWLESS CONTAINER CORPORATION
Address1: Not reported

LAWLESS CONTAINER CORPORATION (Continued) **U003316415**

Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 372-6461
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	52076
Affiliation Type:	Emergency Contact
Company Name:	LAWLESS CONTAINER CORPORATION
Contact Type:	Not reported
Contact Name:	ROBERT FETTERHOFF
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 693-9050
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	1A
Tank ID:	160602
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	6000
Install Date:	01/01/1972
Date Tank Closed:	11/01/1992
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel

Tightness Test Method:	03
Date Test:	08/01/1992
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

LAWLESS CONTAINER CORPORATION (Continued) **U003316415**

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
H99 - Tank Leak Detection - Other

Tank Number:	1B
Tank ID:	170683
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	6000
Install Date:	01/01/1972
Date Tank Closed:	11/01/1993
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	03
Date Test:	08/01/1992
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

H99 - Tank Leak Detection - Other
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number:	2
Tank ID:	160603
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	6000
Install Date:	04/01/1972
Date Tank Closed:	11/01/1993
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:	08/01/1992
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

LAWLESS CONTAINER CORPORATION (Continued) **U003316415**

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other

Tank Number:	3
Tank ID:	170987
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	10000
Install Date:	01/01/1978
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)
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:

H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

W78 **ARIDA SITE-1** **US BROWNFIELDS** **1016358898**
WNW **133 MICHIGAN AVENUE** **FINDS** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.262 mi.
1385 ft. **Site 1 of 2 in cluster W**

Relative:
Higher

Actual:
573 ft.

US BROWNFIELDS:

Name:	ARIDA SITE-1
Address:	133 MICHIGAN AVENUE
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	County of Niagara New York
Grant Type:	Assessment
Property Number:	184.08-1-20
Parcel size:	2.8
Latitude:	43.027868
Longitude:	-78.88501

ARIDA SITE-1 (Continued) **1016358898**

HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Center of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	131162
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	14192
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:	96277016
Start Date:	4/21/2016
Ownership Entity:	Private
Completion Date:	7/11/2017
Current Owner:	Judith Arida
Did Owner Change:	N
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:	Y
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:	-

ARIDA SITE-1 (Continued) **1016358898**

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:	Y
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:	2.8
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
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:	Y
Media affected indoor air:	-
Building material media cleaned up:	-

ARIDA SITE-1 (Continued) **1016358898**

Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The property was formerly occupied by R.T Jones Lumber Company who operated a sawmill and planning mill at the site from 1910 until the 1990's. The site has been underutilized since the mid-1990s and is currently vacant.
Below Poverty Number:	109
Below Poverty Percent:	18.17
Meidan Income:	2530
Meidan Income Number:	286
Meidan Income Percent:	47.67
Vacant Housing Number:	40
Vacant Housing Percent:	10.8
Unemployed Number:	40
Unemployed Percent:	6.67

Name:	ARIDA SITE-1
Address:	133 MICHIGAN AVENUE
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	184.08-1-20
Parcel size:	2.8
Latitude:	43.027868
Longitude:	-78.88501
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Center of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	131162
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1000
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:	N
Cooperative Agreement Number:	99290801
Start Date:	3/22/2010
Ownership Entity:	Private
Completion Date:	8/30/2010
Current Owner:	Judith Arida
Did Owner Change:	N
Cleanup Required:	Y

ARIDA SITE-1 (Continued) **1016358898**

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:	Y
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:	-
VOCs found:	Y
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:	2.8
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	-
Cadmium cleaned up:	-

ARIDA SITE-1 (Continued) **1016358898**

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:	Y
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The property was formerly occupied by R.T Jones Lumber Company who operated a sawmill and planning mill at the site from 1910 until the 1990's. The site has been underutilized since the mid-1990s and is currently vacant.
Below Poverty Number:	109
Below Poverty Percent:	18.17
Meidan Income:	2530
Meidan Income Number:	286
Meidan Income Percent:	47.67
Vacant Housing Number:	40
Vacant Housing Percent:	10.8
Unemployed Number:	40
Unemployed Percent:	6.67
Name:	ARIDA SITE-1
Address:	133 MICHIGAN AVENUE
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara, County of
Grant Type:	Assessment
Property Number:	184.08-1-20
Parcel size:	2.8
Latitude:	43.027868
Longitude:	-78.88501
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Center of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983

ARIDA SITE-1 (Continued) **1016358898**

Acres Property ID:	131162
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	300
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:	97205811
Start Date:	2/14/2013
Ownership Entity:	Private
Completion Date:	4/23/2013
Current Owner:	Judith Arida
Did Owner Change:	N
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:	Y
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:	-

ARIDA SITE-1 (Continued) **1016358898**

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:	Y
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:	2.8
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
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:	Y
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The property was formerly occupied by R.T Jones Lumber Company who operated a sawmill and planning mill at the site from 1910 until the

ARIDA SITE-1 (Continued) **1016358898**

1990's. The site has been underutilized since the mid-1990s and is currently vacant.

Below Poverty Number:	109
Below Poverty Percent:	18.17
Meidan Income:	2530
Meidan Income Number:	286
Meidan Income Percent:	47.67
Vacant Housing Number:	40
Vacant Housing Percent:	10.8
Unemployed Number:	40
Unemployed Percent:	6.67

FINDS:
Registry ID: 110043637874

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.

T79 **SHEEN ON TONAWANDA CREEK** **NY LTANKS** **U003318167**
South **1 SWEENEY STREET** **NY AST** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY** **NY Spills**
0.263 mi.
1391 ft. **Site 3 of 4 in cluster T**

Relative: **Lower**
Actual: **568 ft.**

LTANKS:

Name:	WARDELL BOAT YARD
Address:	1 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9875224 / 2001-07-19
Facility ID:	9875224
Site ID:	190978
Spill Date:	1998-11-01
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	2001-07-19
SWIS:	3212
Investigator:	MXFRANKS
Referred To:	NIAGARA CNTY HEALTH DEPT
Reported to Dept:	1998-11-24
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	2001-06-27
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1998-11-24
Spill Record Last Update:	2001-07-19
Spiller Name:	DENNY WARDELL
Spiller Company:	DENNY WARDELL

SHEEN ON TONAWANDA CREEK (Continued) **U003318167**

Spiller Address: 1 SWEENEY STREET
Spiller County: 001
Spiller Contact: DENNY WARDELL
Spiller Phone: (716) 692-9428
Spiller Extention: Not reported
DEC Region: 9
DER Facility ID: 159292
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF-NCHD 11/24/98:SAC TELECON PAUL DICKY, MR. DICKY INSPECTED SITE, ODORS WERE NOTED AS MR. DICKY WAS APPROACHING THE EXCAVATION, EXCAVATION WAS A BLACK ODOROUS SLOP W/A PRODUCT LAYER, TANK WAS 10 FT. FROM END OF THE SHEET PILING, LIMITED AREA TO WORK. 11/24/98:SAC TELECON PAUL SUOZZI, ES&G - EXCAVATION WAS SAND, ONCE PRODUCT WAS REMOVED TANK FLOATED TO SURFACE, BACKFILL WAS BROUGHT ON-SITE, FENCING SURROUNDS THE EXCAVATION. 11/25/98:SAC TELECON DAVE MARTIN, NCHD - MR. MARTIN INSPECTED SITE AND CONFIRMED OBSERVATIONS OF MR. DICKY AND MR. SUOZZI, MR. WARDELL INTENDS TO BACKFILL THE EXCAVATION. 11/30/98:RNL, SAC INSPECT SITE, SOME WATER IN THE EXCAVATION SHEEN NOTED ALONG SIDES OF EXCAVATION, ODORS NOT OBSERVED AT TIME OF INSPECTION APPARENTLY DUE TO EXCAVATION BEING OPEN TO THE AIR ALLOWING ODORS TO DISSIPATE, EXCAVATION IS 10 FT AWAY FROM WATER ON 2 SIDES. 12/3/98:SAC TELECON DENNY WARDELL, RP - REGARDING SPILL,LETTER HAS BEEN DRAFTED AND WILL BE SENT SOON OUTLINING REQUIREMENTS, SOIL THAT HAS BEEN REMOVED CANNOT BE USED TO BACKFILL AND MUST BE DISPOSED IN 60 DAYS. 1/22/99:RECEIVED NCHD INSPECTION REPORT FROM DAVE MARTIN AND PAUL DICKY. 5/5/99:SAC TELECON RICK SCOPA, B&D PUMP & TANK - MR. SCOPA SAID THAT HE IS LOOKING TO INSTALL A NEW TANK IN THE FORMER TANK PIT BUT COULD NOT GET APPROVAL FROM NORTH TONAWANDA FIRE BECAUSE THEY REQUIRED DEC AND HEALTH DEPARTMENT APPROVAL OF CLEANUP, SAC INDICATED THAT FURTHER WORK IS REQUIRED AND A LETTER WAS SENT AND DEC HAS HAD NO RESPONSE, DETERMINATION OF THE EXTENT IS REQUIRED AND THEN EVENTUAL CLEANUP, MR. SCOPA WILL NOTIFY MR. WARDELL THAT INSTALLATION WILL HAVE TO BE PUT ON HOLD UNTIL CLEANUP IS COMPLETED, SAC TELECON PAUL DICKY, NCHD NOTIFYING HIM OF TELECON W/RICK SCOPA. 5/5/99:SAC TELECON DENNY WARDELL, MR. WARDELL INDICATED HE DID NOT BELIEVE HE RECEIVED CLEANUP LETTER DATED 12/1/98 BUT HE DID FIND IT LATER, MR. WARDELL BELIEVED CLEANUP WORK HAD BEEN COMPLETED AND THAT SOIL WAS STILL STAGED AT THE SITE, SAC TOLD MR. WARDELL THAT BASED ON THE INSPECTION THAT SHEEN AND ODORS WERE OBSERVED IN THE EXCAVATION, MR. WARDELL SAID HE FELT THAT THIS WAS FROM THE SOIL THAT WAS STAGED AT THE SITE, SAC TOLD HIM THAT BASED ON THE INSPECTION IT APPEARED TO BE FROM THE EXCAVATION, AND THAT NO SAMPLE RESULTS HAVE BEEN RECEIVED, MR. WARDELL WILL CONTACT MR. SCOPA IN ORDER TO BEGIN CLEANUP WORK HE BELIEVES THAT THERE WILL ONLY BE A SMALL AMOUNT OF ADDITIONAL EXCAVATION AND THAT HE IS LOOKING TO COMPLETE THE WORK IN A DAY, SAC TOLD HIM THAT EXCAVATION MUST BE SAMPLED AND ANALYZED AND THAT RESULTS COULD TAKE ATLEAST 10 BUSINESS DAYS TO BE RECEIVED AND THAT HE COULD CHOOSE TO HAVE A FASTER TURNAROUND TIME BUT THAT WOULD INCREASE COST. 5/18/99:SAC MET W/DENNY WARDELL, MRS. WARDELL, & LARRY WARDELL - OWNERS OF THE BOAT YARD, ALONG WITH MR. DAVID JUNCO FROM B&D PUMP & TANK, HOLE WAS PARTIALLY FILLED IN WITH SMALL AMOUNT OF WATER IN THE BOTTOM, SAC INSTRUCTED RP THAT EXTENT OF CONTAMINATION MUST BE DETERMINED AND THEN A CLEANUP MUST BE DONE, DENNY WARDELL ASKED WHAT NEEDED TO BE DONE TO GET THE TANK INSTALLED, SAC INFORMED HIM DEC COULD NOT PREVENT HIM FROM INSTALLING TANK OR BACKFILLING HOLE BUT WE REQUIRE CLEANUP AND THIS WOULD BE EASIER IF TANK WAS NOT INSTALLED RIGHT BACK INTO THE SAME EXCAVATION TO ALLOW ACCESS,

SHEEN ON TONAWANDA CREEK (Continued) **U003318167**

ALLOWED OPTION OF TRYING TO CONTINUE TO DIG OR TO DETERMINE EXTENT OF CONTAMINATION FIRST, BUT THAT DETERMINING THE EXTENT WOULD INDICATE HOW MUCH OF AN AREA IS AFFECTED AND HELP DETERMINE COST AND MOST AFFECTIVE TREATMENT OPTION, MR. JUNCO WILL DISCUSS W/ESG TO GET OBSERVATIONS MADE DURING THE TANK REMOVAL, AND WILL DISCUSS WORKPLAN W/MR.WARDELL. 5/25/99:SAC TELECON DENNY WARDELL, MR. WARDELL INDICATED HE IS GOING TO ATTEMPT TO EXCAVATE ALL THE CONTAMINATED MATERIAL AND THEN SAMPLE THE EXCAVATION, HE DOES NOT BELIEVE THAT THERE IS THAT MUCH MORE CONTAMINATION LEFT TO REMOVE, HE WILL NOTIFY SAC WHEN HE IS DONE EXCAVATING FOR AN INSPECTION AND WILL SAMPLE THE EXCAVATION ONCE ALL CONTAMINATED MATERIAL IS REMOVED, HE INTENDS TO INSTALL AN ABOVEGROUND STORAGE TANK ON THE SITE. 6/9/99:SAC DROVE BY THE SITE, NO FURTHER ACTIVITY HAS TAKEN PLACE. 6/30/99:SAC INSPECT SITE, MET W/DENNIS WARDELL, SAC PROVIDED A COPY OF THE PBS REGULATIONS FOR MR. WARDELL'S USE, EXCAVATION WAS BACKFILLED AND THE CONTAMINATED SOIL REMAINED STAGED ON-SITE, NO SAMPLES HAVE BEEN TAKEN OF THE EXCAVATION, SAC TOLD MR. WARDELL SINCE EXCAVATION HAS BEEN BACKFILLED THAT SAMPLES WILL BE BY BORING OR GEOPROBING TO DETERMINE THE EXTENT OF CONTAMINATION, SAC ALSO NOTIFIED MR. WARDELL OF THE REQUIREMENT TO DISPOSE OF THE SOIL. 7/11/99:DRAFTED LETTER TO DENNIS WARDELL REQUIRING WORKPLAN FOR SITE ASSESSMENT BY 7/31/99, ALSO THAT MR. WARDELL IS IN VIOLATION OF PART 360 SINCE SOIL HAS AND STILL REMAINS ON-SITE, ENCLOSED LIST OF CONTRACTORS AND RIGHT OF ENTRY FORM IF MR. WARDELL REQUESTS THE OPTION OF HAVING DEC DO THE WORK, BUT THTAT HE WOULD BE RESPONSIBLE FOR ALL COSTS INCURRED BY THE STATE. 7/14/99:SAC TELECON DENNIS WARDELL, RP - MR. WARDELL HAS HAD ADVANCED ENVIRONMENTAL SERVICES SAMPLE STOCKPILED SOIL FOR ANALYSIS FOR DISPOSAL. 7/20/99:RECEIVED SAMPLE RESULTS FROM ADVANCED ENVIRONMENTAL SERVICES FOR THE SOIL PILE, SAMPLE WAS NOT IGNITABILITY & TCLP BENZENE WAS NON-DETECT, SAC TELECON DENNIS WARDELL, MR. WARDELL THOUGHT THIS MEANT THE SOIL WAS NOT CONTAMINATED, BUT SAC TOLD HIM THIS ANALYSIS INDICATES THE WASTE IS NON-HAZARDOUS, SAC ASKED IF HE WAS SENT A LIST OF LANDFILLS, MR. WARDELL SAID HE DID HAVE A LIST, MR. WARDELL ASKED ABOUT THE POSSIBILTY TO TREAT THE SOIL BUT SAC SAID THAT DUE TO THE AMOUNT OF MATERIAL IT MAY NOT BE COST EFFECTIVE, MR. WARDELL SAID HE WOULD START CONTACTING LANDFILLS. 7/27/99:SAC TELECON DENNY WARDELL, MR. WARDELL NOTIFIED SAC HE WAS IN THE MIDDLE OF PUTTING HIS TANK INTO SERVICE AND HE NEEDED MORE TIME TO HANDLE THE DISPOSAL AND OTHER WORK. 7/30/99:SAC TELECON DENNY WARDELL, SAC TOLD MR. WARDELL HE NEEDED A SCHEDULE WHEN HE WOULD BE ABLE TO DO THE WORK, SAC REMINDED MR. WARDELL THAT HE WAS STILL IN VIOLATION OF PART 360 DUE TO THE SOIL THAT HAS BEEN STAGED ON THE SITE FOR OVER 60 DAYS, MR. WARDELL SAID HE WOULD SEND A LETTER OUT NEXT WEEK. 7/30/99:SAC DRAFTED LETTER TO DENNY WARDELL, REQUIRING WORK SCHEDULE BY 8/11/99. 8/4/99:SAC TELECON DENNY WARDELL, MR. WARDELL HAS CONTACTED MODERN LANDFILL REGARDING THE DISPOSAL OF THE MATERIAL, MR. WARDELL WAS TOLD HE MAY HAVE TO ANALYZE THE SOIL FOR LEAD, SAC TOLD MR. WARDELL TO CONTINUE TO FOLLOW UP W/MODERN LANDFILL FOR THE DISPOSAL OF THE STAGED SOIL. 8/9/99:SAC TELECON DENNIS WARDELL, MR. WARDELL HAS BEEN DEALING W/TOD DAVIDSON OF MODERN DISPOSAL BUT MR. DAVIDSON IS ON VACATION FOR THE WEEK, SAC CALLED MR. DAVIDSON AND LEFT MESSAGE FOR HIM TO RESPOND TO MR. WARDELL TO HELP EXPEDITE THE DISPOSAL OF CONTAMINATED SOIL. 8/19/99:SAC RECEIVED CALL FROM DENNY WARDELL REGARDING SOIL PILE, MR. WARDELL LEFT MESSAGE ON ANSWERING MACHINE THAT MODERN DIAPOSAL NEEDS THE SOIL ANALYZED FOR LEAD, HE HAS TAKEN A SAMPLE FOR ANALYSIS AND CONTINUES TO ARRANGE FOR THE DISPOSAL. 8/27/99:RECEIVED LEAD ANALYSIS FOR THE STOCKPILED SOIL,

SHEEN ON TONAWANDA CREEK (Continued) **U003318167**

RESULTS INDICATE SOIL IS NON-HAZ. 9/7/99:SAC TELECON DENNIS WARDELL, MR. WARDELL CALLED TO MAKE SURE DEC RECEIVED ANALYTICAL RESULTS FOR THE SOIL PILE LEAD ANALYSIS AND HE CONTINUES TO FOLLOW UP ON THE DISPOSAL OF THE SOIL PILE. 9/9/99:SAC TELECON TOD DAVIDSON, MODERN DISPOSAL - MR. DAVIDSON IS CONTINUING TO FOLLOW UP W/DENNIS WARDELL FOR THE WASTE PROFILE SHEET TO HAVE SOIL DISPOSED IN THE LANDFILL. 10/6/99:SAC TELECON TOD DAVIDSON, MODERN DISPOSAL - MR. DAVIDSON SAID THAT THE SOIL STILL HAS NOT BEEN DISPOSED BUT HE CONTINUES TO WORK W/MR. WARDELL TO COMPLETE THE DISPOSAL. 11/22/99:SAC TELECON TOD DAVIDSON, MR. DAVIDSON SPOKE TO MR. WARDELL TODAY AND BASED ON DISCUSSION, DISPOSAL OF THE SOIL SHOULD TAKE PLACE IN THE NEXT COUPLE WEEKS. 1/7/00:SAC TELECON TOD DAVIDSON, HE SPOKE TO DENNIS WARDELL WHO GAVE HIM THE GO AHEAD FOR THE DISPOSAL, MR. DAVIDSON WILL TAKE CARE OF THIS NEXT WEEK. 1/14/00:SAC RECEIVED PHONE MESSAGE FROM TOD DAVIDSON, DISPOSAL OF THE SOIL IS SCHEDULED FOR THIS TUESDAY 1/18/00. 4/6/00:SAC TELECON TOD DAVIDSON REQUESTING DISPOSAL RECEIPT FOR THE SOIL, MR. DAVIDSON SAID HE WILL FAX THE DOCUMENTATION TO SAC. 5/11/00:SENT LETTER TODENNIS WARDELL REQUESTING WORKPLAN AND DISPOSAL RECEIPTS FOR THE SITE, RESPONSE REQUIRED BY 6/15/00. 6/9/00:RECEIVED DISPOSAL RECEIPT FOR 16.06 TONS OF SOIL. 6/12/00:SAC TELECON DENNIS WARDELL, MR. WARDELL SAID THERE IS A WELL ABOUT 10 FEET AWAY FROM THE TANK EXCAVATION, SAC SAID THAT HE WOULD PREFER TO SEE SOME TYPE OF SITE ASSESSMENT BE DONE ON THE SITE TO BETTER DETERMINE IF THERE IS A PROBLEM, MR. WARDELL SAID HE WILL CONTACT TOD DAVIDSON OF MODERN TO SEE WHAT FURTHER COULD BE DONE AND WILL GET BACK TO SAC IN A ABOUT A MONTH. 11/29/00:SAC TELECON DENNIS WARDELL, MR. WARDELL SAID HE SPOKE TO TOD DAVIDSON AND WOULD LIKE TO EXCAVATE THE REMAINING SOIL OUT AND SAMPLE THE EXCAVATION ONCE COMPLETED INSTEAD INSTALLING BORINGS AS PART OF A SITE ASSESSMENT, SAC TOLD HIM THAT THE SITE ASSESSMENT WOULD GIVE HIM AN IDEA HOW MUCH HE WOULD BE DEALING WITH, MR. WARDELL SAID HE HAS A FRIEND WITH A BACKHOE THAT WOULD EXCAVATE THE AREA FOR HIM AND THEN HE WOULD TAKE THE SAMPLES, HE WOULD CONTACT SAC WHEN HE SCHEDULED THE WORK, SAC FAXED A LIST OF LABORATORIES TO MR. WARDELL. 06/11/01: MF TOOK OVER SPILL FROM SAC T/C DENNY WARDELL, LEFT MESSAGE. S/I/DENNY WARDELL, 2K GASOLINE UST REMOVED FROM THE EDGE OF THE WATER. CONTAMINATED SOIL REMOVED & DISPOSED OF. EXCAVATION NOT SAMPLED. DENNY AGREED TO HIRE A BACKHOE TO DIG & SAMPLE TEST PITS. HE WILL ALSO SAMPLE MW ON SITE. THIS WILL BE DONE BEFORE THE END OF THE MONTH. HE WILL CALL ME. 06/27/01: MF T/C GARY TOLLER, K&T PUMP 877-0226. HE WILL BE ON SITE TODAY AT 5 PM. S/I/GARY & DENNY, DUG DOWN IN AREA OF REMOVED UST TO SAMPLE. GW ENCOUNTERED AT 3'. GARY TOOK A SAMPLE FOR 8021 ANALYSIS. 07/09/01: MF RECEIVED TANK PIT GW SAMPLE RESULTS, BS, ONLY MTBE DETECTED AT 3.9 PPB. ALSO RECEIVED A CALL FROM LT MOSS, CG MARINE SAFETY OFFICE. HE COMMENTED ON NO SECENDARY CONTAINMENT AROUND 270 GALLON DIESEL TANK AT DOCK. 07/19/01: MF 'C' LETTER TO RP WITH A NOTE THAT THE 270 GALLON DIESEL AGST AT DOCK SIDE MUST HAVE SECONDARY CONTAINMENT BY 8/15/01. CCED TO PBS, NO FURTHER ACTION NECESSARY."

Remarks: "GASOLINE CONTAMINATION FOUND DURING AN UNDERGROUND STORAGE TANK REMOVAL "

All Materials:

Site ID:	190978
Operable Unit ID:	1078504
Operable Unit:	01
Material ID:	306832
Material Code:	0009
Material Name:	gasoline

SHEEN ON TONAWANDA CREEK (Continued) **U003318167**

Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

AST:
Name: WARDELL BOAT YARD
Address: 1 SWEENEY ST
City,State,Zip: NORTH TONAWANDA, NY 14120
Region: STATE
DEC Region: 9
Site Status: Active
Facility Id: 9-437107
Program Type: PBS
UTM X: 183860.55565
UTM Y: 4770617.07360
Expiration Date: 04/01/2023
Site Type: Retail Gasoline Sales

Affiliation Records:
Site Id: 54277
Affiliation Type: Mail Contact
Company Name: WARDELL BOAT YARD
Contact Type: Not reported
Contact Name: DENNIS L. WARDELL
Address1: 1 SWEENEY STREET
Address2: Not reported
City: NORTH TONAWANDA
State: NY
Zip Code: 14120
Country Code: 001
Phone: (716) 692-9428
EMail: Not reported
Fax Number: Not reported
Modified By: SLZIEMBA
Date Last Modified: 2013-02-26

Site Id: 54277
Affiliation Type: Facility Operator
Company Name: WARDELL BOAT YARD
Contact Type: Not reported
Contact Name: DENNIS L. WARDELL
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (716) 692-9428
EMail: Not reported
Fax Number: Not reported
Modified By: SLZIEMBA
Date Last Modified: 2013-02-26

SHEEN ON TONAWANDA CREEK (Continued) **U003318167**

Site Id:	54277
Affiliation Type:	Emergency Contact
Company Name:	DENNIS L. WARDELL
Contact Type:	Not reported
Contact Name:	DENNIS L. WARDELL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(716) 694-9428
EMail:	Not reported
Fax Number:	Not reported
Modified By:	SLZIEMBA
Date Last Modified:	2013-02-26

Site Id:	54277
Affiliation Type:	Facility Owner
Company Name:	DENNIS L. WARDELL
Contact Type:	OWNER
Contact Name:	DENNIS L. WARDELL
Address1:	1 SWEENY STREET
Address2:	Not reported
City:	NORTH TONAWANDA
State:	NY
Zip Code:	14120
Country Code:	001
Phone:	(716) 692-9428
EMail:	Not reported
Fax Number:	Not reported
Modified By:	SLZIEMBA
Date Last Modified:	2013-02-26

Tank Info:

Tank Number:	H458269
Tank Id:	174203
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
C01 - Pipe Location - Aboveground
I00 - Overfill - None
K01 - Spill Prevention - Catch Basin
G04 - Tank Secondary Containment - Double-Walled (Underground)
J02 - Dispenser - Suction Dispenser

Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service

SHEEN ON TONAWANDA CREEK (Continued) **U003318167**

Pipe Model:	Not reported
Install Date:	08/25/2001
Capacity Gallons:	500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LJJUDD
Last Modified:	04/14/2017
Material Name:	diesel

Tank Number:	H458657
Tank Id:	222289
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
I00 - Overfill - None
K01 - Spill Prevention - Catch Basin
F00 - Pipe External Protection - None
C01 - Pipe Location - Aboveground
J02 - Dispenser - Suction Dispenser
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Location:	Aboveground - contact with soil.... Tank bottom rests on soil, allowing no visual inspection.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/29/2005
Capacity Gallons:	500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LDGOMEZ
Last Modified:	04/14/2017
Material Name:	diesel

Tank Number:	M604108
Tank Id:	173607
Material Code:	0009
Common Name of Substance:	Gasoline

Equipment Records:

H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
D08 - Pipe Type - Equivalent Technology

SHEEN ON TONAWANDA CREEK (Continued) **U003318167**

I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F99 - Pipe External Protection - Other
G04 - Tank Secondary Containment - Double-Walled (Underground)

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:	08/01/1999
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LJJUDD
Last Modified:	04/14/2017
Material Name:	gasoline

SPILLS:

Name:	SHEEN ON TONAWANDA CREEK
Address:	1 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9411784 / 1995-01-09
Facility ID:	9411784
Facility Type:	ER
DER Facility ID:	159292
Site ID:	190977
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	E6
SWIS:	3212
Spill Date:	1994-12-04
Investigator:	SACALAND
Referred To:	NIAGARA CNTY HEALTH DEPT
Reported to Dept:	1994-12-04
CID:	Not reported
Water Affected:	TONAWANDA CREEK
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	1995-01-09
Cleanup Meets Std:	True
Last Inspection:	1995-12-04
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-12-05
Spill Record Last Update:	1995-01-11
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
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 SAC-NCHD 12/04/94: SAC/JACK LANDRIGAN, NCHD/TELECON - HE WILL SEE IF

SHEEN ON TONAWANDA CREEK (Continued) **U003318167**

PAUL DICKY WILL RESPOND. 12/07/94: SAC TELECON P.DICKY/NCHD,PAUL INPSECTED,WILL SEND REPORT FOR CLOSEOUT. 01/09/95: RECEIVED INSPECTION REPORT FROM P.DICKY/NCHD. "

Remarks: "CUSTOMER REPORTED GASOLINE SHEEN ON WATER WITH STRONG ODOR."

All Materials:

Site ID:	190977
Operable Unit ID:	1005423
Operable Unit:	01
Material ID:	374125
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

T80 **GATEWAY POINT 5** **US BROWNFIELDS 1016346982**
South **1 SWEENEY STREET** **FINDS N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.263 mi.
1391 ft. **Site 4 of 4 in cluster T**

Relative: **Lower**

Actual: **568 ft.**

US BROWNFIELDS:

Name:	GATEWAY POINT 5
Address:	1 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.09-1-3
Parcel size:	1.06
Latitude:	43.02348
Longitude:	-78.88046
HCM Label:	Address Matching-House Number
Map Scale:	1:24000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	60321
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	384
Assessment Funding Source:	-
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:	-

GATEWAY POINT 5 (Continued) **1016346982**

Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	4/1/2005
Ownership Entity:	Private
Completion Date:	4/1/2005
Current Owner:	Lawrence Wardell
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
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:	Y
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:	-

GATEWAY POINT 5 (Continued) **1016346982**

Past use commercial acreage:	1.06
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:	Y
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 property runs along the Niagara River. From the mid to late 1800s, the area was used as a lumberyard and processing facility with associated boat slips and rail lines. Related planning mills and box factories became more prevalent in the early 1900s. Beginning in the 1950s, the area was developed as a seasonal boat storage facility. The property contains a series of boat slips/docks and a marina building. Various materials are stored on the property including lumber, boat trailers, rusted 55-gallon drums and miscellaneous debris.
Below Poverty Number:	588
Below Poverty Percent:	30.5
Meidan Income:	2236
Meidan Income Number:	997
Meidan Income Percent:	51.71
Vacant Housing Number:	222
Vacant Housing Percent:	16.98
Unemployed Number:	117
Unemployed Percent:	6.07

GATEWAY POINT 5 (Continued) **1016346982**

FINDS:
Registry ID: 110038715272

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.

U81 **FORMER GASOLINE STATION** **NY BROWNFIELDS S110488305**
SSE **31 WEBSTER STREET** **NY Spills N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14150**
0.266 mi.
1404 ft. **Site 2 of 3 in cluster U**

Relative: Higher
Actual: 571 ft.

BROWNFIELDS:

Name:	VACANT OFFICE SPACE
Address:	31 WEBSTER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Program:	BCP
Site Code:	491676
Acres:	0.45
HW Code:	C932165
SWIS:	3212
Town:	North Tonawanda (c)
Record Added Date:	02/14/2014
Record Updated Date:	05/28/2015
Update By:	GPSUTTON
Site Description:	Site Location: The subject Site is located at 31 Webster Street, North Tonawanda, New York and is located in the downtown section of the city.The Site is bordered by Webster Street to the west, Tremont Street to the north, and commercial properties to the south and east. Zoning: The Site is zoned for Commercial use. History/Use: The vacant office building is currently located on the Site. A Phase I ESA contained documentation suggesting that the Site was former used as a gasoline filling station. A Phase II study was performed in August 2013 which confirmed the presence of petroleum contamination on the site. As aresult of the investigation, the property was assigned Spill Site no.1005734. Geology/hydrogeology: Subsurface conditions generally consisted of mostly silt with varying amounts of fine-grained sand and clay. Notified by the applicant's engineer that the applicant wished to with draw from the BCP and proceed under the Spill Program. Received formal letter from applicant withdrawing from program. Applicated submitted letter requesting withdrawal on April 20, 2015. Request accepted, effective date of termination May 14 2015. Refferred to Spill Response Unit for followup. Spill #1501334
Env Problem:	Notified by the applicant's engineer that the applicant wished to with draw from the BCP and proceed under the Spill Program. Received formal letter from applicant withdrawing from program.
Health Problem:	Not reported
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported

FORMER GASOLINE STATION (Continued) **S110488305**

Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	1
Sub Type:	Not reported
Owner Name:	Greg Doel
Owner Company:	Webster Properties of WNY Inc.
Owner Address:	26 Webster Street
Owner Addr2:	Not reported
Owner City,St,Zip:	North Tonawanda, NY 14120
Owner Country:	United States of America
Own Op:	6
Sub Type:	P03
Owner Name:	Greg Doel
Owner Company:	Webster Properties of WNY, Inc.
Owner Address:	26 Webster Street
Owner Addr2:	Not reported
Owner City,St,Zip:	North Tonawanda, NY 14120
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Britt White
Owner Company:	North Tonawanda Public Library
Owner Address:	505 Meadow Drive
Owner Addr2:	Not reported
Owner City,St,Zip:	North Tonawanda, NY 14120
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

SPILLS:

Name:	FORMER GASOLINE STATION
Address:	31 WEBSTER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Spill Number/Closed Date:	1501334 / 2015-11-20
Facility ID:	1501334
Facility Type:	ER
DER Facility ID:	446663
Site ID:	507532
DEC Region:	9
Spill Cause:	Other
Spill Class:	B3
SWIS:	3212
Spill Date:	2015-04-01
Investigator:	SACALAND

FORMER GASOLINE STATION (Continued) **S110488305**

Referred To:	Not reported
Reported to Dept:	2015-04-29
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:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2015-05-06
Spill Record Last Update:	2015-11-20
Spiller Name:	GREG DOEL
Spiller Company:	WEBSTER PROPERTIES OF WNY, INC.
Spiller Address:	26 WEBSTER STREET
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"4/29/15:RECEIVED COPY OF LETTER FROM GREG DOEL TO MIKE HINTON - DEC DER REQUESTING TO WITHDRAWAL FROM THE BROWNFIELD PROGRAM. MR. DOEL HAD SUBMITTED A REMEDIAL WORK PLAN BY MATRIX ENVIRONMENTAL TECHNOLOGIES LAST MONTH. IT IS THE SAME WORK PLAN THAT WAS SUBMITTED FOR THE CLEAN UP UNDER SPILL NUMBER 1005734 BEFORE DECIDING TO PURSUE THE CLEAN UP UNDER THE BROWNFIELD PROGRAM. 5/7/15:DRAFTED COMMENT LETTER FOR THE SUBMITTED WORK PLAN. 5/28/15:SAC TELECON ROB GILL - MATRIX ENVIRONMENTAL TECHNOLOGIES REGARDING SCHEDULING OF THE WORK. MR. GILL SAID PRP WANTED TO WAIT UNTIL AFTER MEMORIAL DAY TO DO THE WORK. HE WILL BE DISCUSSING THE SITE WITH HIM SOON AND ANTICIPATES STARTING THE WORK IN THE NEXT FEW WEEKS. 6/8/15:RECEIVED MESSAGE FROM ROB GILL THAT WORK WILL BE SCHEDULED THIS SEPTEMBER. 6/10/15:SAC TELECON ROB GILL. SAC REQUEST LETTER STATING WORK WILL BE DONE THIS SEPTEMBER. MR. GILL WILL FOLLOW UP WITH MR. DOEL TO SEND IN THE REQUESTED LETTER. 7/9/15:SAC TELECON ROB GILL. SAC ASKED MR. GILL IF HE SPOKE TO MR. DOEL REGARDING SENDING LETTER STATING THAT WORK WILL BE DONE THIS SEPTEMBER. MR. GILL SAID HE DID. NO LETTER HAS BEEN RECEIVED. 7/16/15:SENT PRP LETTER WITH OPTION THAT WORK BEGINS OR SIGNED RIGHT OF ENTRY BE SUBMITTED TO THE DEPT. BY 9/30/15. 9/2/15:RECEIVED MESSAGE FROM STEVE MARCHETTI - MATRIX ENVIRONMENTAL THAT WORK IS TENTATIVELY SCHEDULED TO BEGIN ON 9/28/15. 9/22/15:RECEIVED MESSAGE FROM ROB GILL THAT EXCAVATION IS SCHEDULED TO BEGIN ON 9/29/15 AND HE ANTICIPATES WORK WILL CONTINUE UNTIL 10/2/15. 9/23/15:SAC TELECON ROB GILL. MR GILL SAID WORK WILL BEGIN ON 9/28/15 WITH THE MOBILIZATION OF EQUIPMENT, REMOVAL OF CONCRETE, AND EXCAVATION AT THE HIGHER DEPTHS WHERE CONTAMINATION WAS NOT OBSERVED. HE ANTICIPATES EXCAVATION INTO THE CONTAMINATED SOIL DEPTH ON TUESDAY. 9/30/15:SAC INSPECT SITE. MET W/ROB GILL. ALTHOUGH IT WAS ANTICIPATED THAT WORK WOULD CONTINUE UNTIL 10/2, CONTAMINATED SOIL REMOVAL AND BACKFILLING WAS COMPLETED AT TIME OF INSPECTION. MR. GILL SAID THAT AS MUCH SOIL AS POSSIBLE WAS REMOVED BUT IT WAS LIMITED BY THE SIDEWALK AND THE ON-SITE BUILDING. IMPACTS STILL REMAINED. CONFIRMATORY SAMPLES WERE TAKEN. 11/19/15:RECEIVED REMEDIATION REPORT FROM MATRIX ENVIRONMENTAL TECHNOLOGIES INCLUDING DIPOSAL RECEIPTS AND CONFIRMATORY SAMPLE RESULTS. RESULTS EXCEED CP-51 GUIDANCE VALUES. HOWEVER, BASED ON SITE CONDITIONS, NO FURTHER WORK WILL BE REQUIRED AT THIS TIME AND SITE WILL HAVE STAUTS OF INACTIVE. DRAFT I LETTER. 11/20/15: I LETTER SENT. NO FURTHER WORK IS REQUIRED."

FORMER GASOLINE STATION (Continued) **S110488305**

Remarks: "DURING PHASE II SITE ASSESSMENT, PETROLEUM CONTAMINATION WAS FOUND. SPILL NUMBER 1005734 WAS OPENED FOR SITE. PURCHASER OF PROPERTY DECIDED TO ENTER THE BROWNFIELD PROGRAM FOR THE CLEAN UP AND THAT SPILL FILE WAS CLOSED. HE DECIDED TO WITHDRAW FROM THE BROWNFIELD PROGRAM AND PERFORM CLEAN UP UNDER THE SPILLS PROGRAM AGAIN."

All Materials:

Site ID:	507532
Operable Unit ID:	1256863
Operable Unit:	01
Material ID:	2259826
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

Name:	FORMER GASOLINE STATION
Address:	31 WEBSTER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14150
Spill Number/Closed Date:	1005734 / 2014-06-06
Facility ID:	1005734
Facility Type:	ER
DER Facility ID:	394049
Site ID:	439061
DEC Region:	9
Spill Cause:	Other
Spill Class:	B3
SWIS:	3212
Spill Date:	2010-05-20
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2010-08-02
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
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:	2010-08-23
Spill Record Last Update:	2014-06-20
Spiller Name:	GEORGE AND DALE PETER
Spiller Company:	THE CROWN AGENCY
Spiller Address:	581 WILLOW AVENUE
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"8/2/10:RECEIVED PHASE II SITE ASSESSMENT REPORT FROM GZA, INC. 8/24/10:DRAFTED COMMENT LETTER REGARDING PHASE II REPORT. REQUESTED WORK PLAN BY 10/15/10. 9/16/10:SAC TELECON MICHELE WITTMAN. MS. WITTMAN SAID THAT SITE WAS AN OLD TEXACO STATION. CURRENT OWNER NEVER

FORMER GASOLINE STATION (Continued) **S110488305**

OPERATED A FUELING STATION AND THAT IT WAS AN OFFICE BUILDING. SHE HAS ADVISED OWNER TO HIRE AN ENVIRONMENTAL ATTORNEY AND THAT THEY ARE GOING TO APPROACH TEXACO TO DO THE CLEAN UP. 9/21/10:RECEIVED LETTER FROM VINCENT GINESTRE - ATTORNEY FOR PROPERTY OWNERS THAT HE HAS CONTACTED TEXACO FOR THE CLEAN UP OF THE PROPERTY. 9/29/10:SAC TELECON VINCENT GINESTRE. MR.GINESTRE IS TRYING TO FIND A CONTACT ADDRESS FOR TEXACO. SAC WILL TRY TO SEE IF DEC HAS ANY RECENT CONTACT INFORMATION. RECEIVED COPY OF LETTER FROM TEXACO, INC. DATED 12/20/72 THAT THE GASOLINE STORAGE TANKS WILL BE REMOVED WITHIN 14 DAYS. 9/30/10:SAC SENT MESSAGE WITH TEXACO CONTACT INFO. TEXACO IS NOW OWNED BY CHEVRON. NOTE TO FILE: TEXACO ADDRESS GIVEN TO MR. GINESTRE: MICHELLE DYGAN CHEVRON ENVIRONMENTAL MANAGEMENT CO. 4800 FOURNACE PLACE BELLAIRE, TEXAS 77401 12/16/10:SAC TELECON DOUG REID - LCS, INC. DISCUSSED PHASE II REPORT AND THAT ADDITIONAL WORK IS REQUIRED. MR. REID WILL DISCUSS W/RP. 7/25/11:SENT LETTER REQUESTING STATUS. RESPONSE BY 8/15/11. 7/29/11:SAC TELECON VINCENT GINESTRE. MR. GINESTRE SAID THEY HAVE SOLD THE PROPERTY BUT THE CROWN AGENCY IS HOLDING THE MORTGAGE. AFTER CONTACTING CHEVRON/TEXACO, CHEVRON/TEXACO SAID THEY HAVE NO RECORDS OF EVER HAVING A GASOLINE FUELING STATION AT THE PROPERTY. THEREFORE, THEY WILL NO ASSUME ANY RESPONSIBILITY. MR. GINSTRE WILL SEND IN A LETTER WITH THE NEW OWNERSHIP INFORMATION. 8/2/11:SAC CONTACTED N.T ASSESSOR'S OFFICE REGARDING NEW PROPERTY OWNERSHIP. NEW OWNER IS WEBSTER PROPERTIES OF WNY, INC, 26 WEBSTER STREET, NORTH TONAWANDA 14120. 8/17/12:RECEIVED LETTER FROM VINCENT GINESTRE. PROPERTY IS NOW OWNED BY WEBSTER PROPERTIES OF WNY, INC. AT MAILING ADDRESS IN 8/2/11 HISTORY NOTE. 1/25/12:DRAFTED LETTER TO NEW PROPERTY OWNER REQUESTING WORK PLAN BY 3/30/12. 4/11/12:NO RESPONSE TO LETTER REQUESTING WORK PLAN. DRAFTED LETTER REQUESTING RESPONSE BY 6/29/12. 7/5/12:NO RESPONSE TO LETTER REQUESTING WORK PLAN. REFERRED SITE TO TERESA MUCHA - NYSDEC OFFICE OF GENERAL COUNSEL FOR FURTHER FOLLOW UP. MS. MUCHA SENT LETTER REQUESTING WORK PLAN BY 8/3/12 OR SIGNED RIGHT OF ENTRY BY 7/31/12. 7/12/12:TERESA MUCHA RECEIVED LETTER FROM DANIEL BRICK, ESQ. OF BRICK, BRICK , AND ELMER P.C. WHO REPRESENTS CURRENT PROPERTY OWNER REQUESTING MEETING TO DISCUSS SITE. 7/18/12:TERESA MUCHA SET UP MEETING W/CURRENT PROPERTY OWNER AND REPRESENTATIVE FOR 8/7/12. 8/7/12:TERESA MUCHA AND SAC MET W/GREG DOEL - CURRENT PROPERTY OWNER AND DANIEL BRICK TO DISCUSS OPTIONS. MR. BRICK AND MR. DOEL WILL LOOK INTO THEIR OPTIONS FURTHER AND GET BACK TO MS. MUCHA IN ABOUT A MONTH. 9/19/12;RECEIVED LETTER BY TERESA MUCHA TO DANIEL BRICK REQUESTING STATUS UPDATE BY 10/12/12. 9/26/12:SAC TELECON STEVE MARCHETTI - MATRIX ENVIRONMENTAL TECHNOLOGIES. MR. MARCHETTI SAID HIS COMPANY HAS BEEN HIRED BY GREG DOEL. HE IS MEETING W/MR. DOEL TO REVIEW THE PHASE II. MR. MARCHETTI WILL THEN SUBMIT A WORK PLAN. 10/9/12:RECEIVED COPY OF LETTER BY TERESA MUCHA EXTENDING WORK PLAN TO BE SUBMITTED BY 11/30/12. 11/1/12:RECEIVED COPY OF LETTER FROM ROBERT KNOER - ATTORNEY FOR PROPERTY OWNER TO CHEVRON REQUESTING THEY SUBMIT WORK PLAN TO DEC. 1/10/13:RECEIVED WORK PLAN FROM MICHELE WITTMAN - MATRIX FOR THE INSTALLATION OF SOIL BORINGS AND MICROWELLS USING A GEOPROBE. WORK SCHEDULED FOR NEXT THURSDAY, 1/17/13. 1/17/13:RECEIVED MESSAGE FROM MICHELE WITTMAN, THAT UFPO WAS NOT COMPLETED. WORK RESCHEDULED FOR MONDAY, 1/21. 1/21/13:SAC INSPECT SITE. MET W/ROB GILL - MATRIX. GEOPROBE ON-SITE FOR THE INSTALLATION OF BORINGS AND MICROWELLS. 8 BORINGS WERE INSTALLED. 6 OF THE BORINGS DID HAVE ODORS. PID METER READINGS WERE 1100 ppm FOR ONE BORING AND OVER 600 ppm FOR ANOTHER BORING. MR. GILL SAID THE CONTAMINATION WAS OBSERVED TO BE GREATEST BETWEEN THE 8 TO 10 FT. DEPTH. 4/3/13:SAC TELECON ROB GILL. DRAFT

FORMER GASOLINE STATION (Continued) **S110488305**

REPORT HAS BEEN COMPLETED AND SUBMITTED TO PROPERTY OWNER. WAITING BACK FOR COMMENTS. 4/9/13:RECEIVED PHASE II REPORT BY MATRIX. 5/9/13:REVIEWED PHASE II REPORT W/GPS. BASED ON RESULTS OF PHASE II FURTHER WORK REQUIRED. 5/14/13:DRAFTED COMMENT LETTER REQUESTING WORK PLAN BY 7/15/13. 6/4/13:SAC TELECON MICHELE WITTMAN. MS. WITTMAN SAID THEY ARE SCHEDULING TO SUBMIT WORK PLAN IN JULY. 7/16/13:SAC TELECON MICHELE WITTMAN. MS. WITTMAN SAID THEY WORK PLAN IS ALMOST COMPLETED BUT THEY HAVE NOT BEEN PAID FOR THE WORK ALREADY PERFORMED. ONCE PAYMENT IS RECEIVED THEY WILL SEND IN WORK PLAN. SAC SPOKE TO TERESA MUCHA REGARDING PHONE CALL W/MS. WITTMAN. MS. MUCHA SENT MESSAGE TO ROBERT KNOER REQUESTING PLAN BY 7/31. RECEIVED RESPONSE FROM MR. KNOER. HE WILL FOLLOW UP W/MR. DOEL. 7/23/13:RECEIVED REMEDIATION WORK PLAN. 7/29/13:SENT COMMENT LETTER FOR REMEDIATION WORK PLAN. 8/27/13:SAC TELECON MICHELE WITTMAN. MS. WITTMAN SAID NO WORK HAS BEEN SCHEDULED. SHE ANTICIPATES IT WILL SCHEDULED FOR THIS FALL. 10/9/13:SAC TELECON MICHELE WITTMAN. MS. WITTMAN SAID MR. DOEL IS LOOKING TO POSSIBLY ADDRESS THE SITE THROUGH THE BROWNFIELD PROGRAM. SHE WILL BE CONTACTING DEC IN THE NEXT COUPLE OF WEEKS TO SET UP A MEETING TO DISCUSS THIS APPROACH. 10/31/13:SAC TELECON MICHELE WITTMAN. MS. WITTMAN SAID BROWNFIELD APPLICATION IS NOT COMPLETED. SAC NOTIFIED HER TO HAVE IT COMPLETED AND SUBMITTED BY THE END OF NEXT WEEK OR REFERRAL TO AG'S OFFICE FOR SITE ACCESS COULD BE NEXT STEP. 11/21/13:RECEIVED MESSAGE FROM GPS. BROWNFIELD APPLICATION RECEIVED FROM MICHELE WITTMAN. 2/11/14:SAC TELECON MICHELE WITTMAN. MS. WITTMAN SAID SHE HAS THE SIGNED APPLICATION FROM RP AND WILL BE MAILING IT IN TOMORROW. 2/18/14:SAC SPOKE TO GPS. BROWNFIELD APPLICATION WAS RECEIVED IN ALBANY. 6/6/14:SAC SPOKE TO GPS. APPLICATION FOR THIS SPILL SITE HAS BEEN ACCEPTED INTO THE BROWNFIELD PROGRAM PER GPS AND THEREFORE, SPILL CAN BE CLOSED WITH THE CLEAN UP BEING DONE UNDER THAT PROGRAM. NO FURTHER WORK REQUIRED BY SPILLS. NO PAPER FILE. "

Remarks: "PHASE II SITE ASSESSMENT IDENTIFIED PETROLEUM CONTAMINATION AT A FORMER GASOLINE STATION"

All Materials:

Site ID:	439061
Operable Unit ID:	1189710
Operable Unit:	01
Material ID:	2184668
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

W82 **SMITH BOYS SITE -4** **US BROWNFIELDS** **1018125179**
WNW **220 MICHIGAN STREET** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.267 mi.
1412 ft. **Site 2 of 2 in cluster W**

Relative: **Higher**

Actual: **574 ft.**

US BROWNFIELDS:

Name:	SMITH BOYS SITE -4
Address:	220 MICHIGAN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara, County of
Grant Type:	Assessment
Property Number:	184.08-1-4
Parcel size:	1.9
Latitude:	43.029546
Longitude:	-78.883597
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	This parcel is part of a larger area on Tonawanda Island that was formerly used for lumber operations.
Datum:	North American Datum of 1983
Acres Property ID:	161123
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	389
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:	97205811
Start Date:	2/14/2013
Ownership Entity:	Private
Completion Date:	10/30/2013
Current Owner:	Smith Boys, Inc.
Did Owner Change:	N
Cleanup Required:	U
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:	-

SMITH BOYS SITE -4 (Continued) **1018125179**

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:	Y
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:	1.9
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:	-

SMITH BOYS SITE -4 (Continued) **1018125179**

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:	There are three buildings on the site which were built in the mid 1970s. The buldings are used for the storage of boats and vehicles. Past ownership included RT Jones Lumber Company and International Paper Company.
Below Poverty Number:	113
Below Poverty Percent:	16.89
Meidan Income:	1557
Meidan Income Number:	310
Meidan Income Percent:	46.34
Vacant Housing Number:	36
Vacant Housing Percent:	9.09
Unemployed Number:	43
Unemployed Percent:	6.43

U83 **WARDELL BOAT YARD** **NY LTANKS S100119927**
SSE **SWEENEY STREET** **NY Spills N/A**
1/4-1/2 **NORTH TONAWANDA, NY**
0.271 mi.
1429 ft. **Site 3 of 3 in cluster U**

Relative: **Higher**
Actual: **571 ft.**

LTANKS:

Name:	WARDELL BOAT YARD
Address:	SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9000205 / 1991-12-05
Facility ID:	9000205
Site ID:	164682
Spill Date:	1990-04-06
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	1991-12-05
SWIS:	3212
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1990-04-06
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	1991-06-24

WARDELL BOAT YARD (Continued) **S100119927**

Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1990-04-10
Spill Record Last Update:	1999-05-21
Spiller Name:	Not reported
Spiller Company:	WARDELL BOAT YARD
Spiller Address:	SWEENEY STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	138851
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 04/09/90: CANTAMINATED SOILS BEING STAGED FOR DISPOSAL AND ALL 3 TANKS WILL BE RETESTED. DRAFTED LETTER TO MR WARDELL REGARDING REMEDIAL ACTION FOR FAILED TANK SYSTEMS. 04/10/90: JDC INSPECTED SITE AND FOUND 2000 GALLON DIESEL FAILED TANK TEST. 3000 GALLON TANK PASSED. ARRANGEMENTS BEING MADE FOR PRODUCT REMOVAL ON FAILED TEST. 2000 GASOLINE TANK TO BE TESTED LATE WEEK OR EARL. 04/13/90: (1) 2,000 GALLON GASOLINE TANK FAILS AND (1) 2,000 GALLON DIESEL TANK FAILS PETROTITE TEST. DENNIS WARDELL, OWNER IS HAVING TANKS REMOVED. 07/20/90: SOIL YET TO BE DISPOSED OF. SAMPLES TAKEN BY SLC ACCORDING TO MR WARDELL STILL OUTSTANDING. DENNIS WARDELL, OWNER IS HAVING TANKS REMOVED. 07/20/90: WAITING FOR DISPOSAL TO BE COMPLETED BEFORE CLOSING FILE. 07/20/90: DISPOSAL OF SOIL NOT COMPLETED. WARDELLS WAITING ON LAB ANALYSIS. DO NOT EXPECT DISPOSAL TO TAKE PLACE SOON. MR WARDELL HAS TAKEN LEGAL ACTION AGAINST THE DEPT. 08/30/90: SENT DISPOSAL LETTER REQUESTING RECIEPTS. 12/06/90: MJH TELCON W/ DENNIS WARDELL SOIL STILL PRESENT TEST RESULTS LOST WILL REDO. 06/24/91: REQUESTED SOIL TO BE TESTED FOR PETROLEUM PRO TO VARIFY SOIL CONTAMINATION. 12/05/91: FINAL SOIL ANALYSIS SATISFACTORY, REVIEWD FILE NO FURHER ACTION REQUIRED. "
Remarks:	"TANKS UNCOVERED TO RETEST, CONTAMINATION FOUND AT TANK TOPS."

All Materials:

Site ID:	164682
Operable Unit ID:	939432
Operable Unit:	01
Material ID:	438614
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Site ID:	164682
Operable Unit ID:	939432
Operable Unit:	01
Material ID:	438613
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported

WARDELL BOAT YARD (Continued) **S100119927**

Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	WARDELL BOAT YARD
Address:	SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9005499 / 1990-08-20
Facility ID:	9005499
Facility Type:	ER
DER Facility ID:	138851
Site ID:	164683
DEC Region:	9
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	3212
Spill Date:	1990-08-18
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	1990-08-18
CID:	Not reported
Water Affected:	NIAGARA RIVER
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Fire Department
Cleanup Ceased:	1990-08-20
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	1990-08-24
Spill Record Last Update:	1990-10-12
Spiller Name:	Not reported
Spiller Company:	LAWRENCE WARDELL
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MNP 08/20/90: 8/20/90 MJH TELECON WITH DICKY OF NCHD, THEY INSPECTED SITE ONLY SLIGHT SHEEN ON WATER, NO CLEANUP PRACTICLE. "
Remarks:	"DIESEL FUEL SPILLED FROM DISPENSER INTO MARINA"

All Materials:

Site ID:	164683
Operable Unit ID:	943039
Operable Unit:	01
Material ID:	567756
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G

WARDELL BOAT YARD (Continued) **S100119927**

Recovered: 5.00
Oxygenate: Not reported

84
SW
1/4-1/2
0.277 mi.
1465 ft.

MANSON CONSTRUCTION
DETROIT STREET
TONAWANDA, NY

NY LTANKS **S103038188**
N/A

Relative:
Lower

Actual:
570 ft.

LTANKS:

Name:	MANSON CONSTRUCTION
Address:	DETROIT STREET
City,State,Zip:	TONAWANDA, NY
Spill Number/Closed Date:	9201448 / 1992-05-11
Facility ID:	9201448
Site ID:	217760
Spill Date:	1992-05-05
Spill Cause:	Tank Overfill
Spill Source:	Vessel
Spill Class:	C3
Cleanup Ceased:	1992-05-11
SWIS:	1564
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1992-05-05
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Federal Government
Last Inspection:	1992-05-06
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1992-05-07
Spill Record Last Update:	1992-10-22
Spiller Name:	Not reported
Spiller Company:	MANSON CONSTRUCTION
Spiller Address:	4 WEDSTER STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	180174
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 05/06/92: JDC INSPECTED SITE AND FOUND SHEEN AND PRODUCT AT DOCK SIDE. SPILLER APPLIED SORBENTS AND WILL DISPOSE. 05/11/92: JDC TELCON W/ NORM MANSON AND CONFIRMED SORBENTS BEING DISPOSED OF TO DUMPSTER. NO FURTHER ACTION WILL BE REQUIRED. "
Remarks:	"TUG BOAT SPLASHED OUT FUEL AT STARTUP AFTER BEING FILLED W/ FUEL"

All Materials:

Site ID:	217760
Operable Unit ID:	965420
Operable Unit:	01
Material ID:	412761
Material Code:	0008

MANSON CONSTRUCTION (Continued) **S103038188**

Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	G
Recovered:	8.00
Oxygenate:	Not reported

X85 **FLANIGAN CHEVROLET** **NY LTANKS** **1000994326**
SSE **27 MAIN STREET** **NY Spills** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY**
0.280 mi.
1480 ft. **Site 1 of 2 in cluster X**

Relative:
Higher

Actual:
571 ft.

LTANKS:

Name:	FLANIGAN CHEVROLET TANK
Address:	27 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9875254 / 2000-02-08
Facility ID:	9875254
Site ID:	123190
Spill Date:	1998-12-02
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	3212
Investigator:	SORGI
Referred To:	Not reported
Reported to Dept:	1998-12-03
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	1998-12-03
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1998-12-03
Spill Record Last Update:	2002-03-06
Spiller Name:	MARK CHOCKRAN
Spiller Company:	FLANIGAN CHEVROLET
Spiller Address:	27 MAIN STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	106785
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJS 12/03/98: MJS SITE INSPECTION, MET WITH LINDA GRIMMER, EP&S. NO SIGNS THAT TANK ITSELF LEAKED. TANK EXCAVATION NOT CONTAMINATED, NO ODORS. SOIL UNDER DISPENSER NOTABLY CONTAMINATED. EXCAVATED SOIL STOCKPILED ON PLASTIC. FURTHER EXCAVATION REQUIRED, UNDERGROUND UTILITIES AND LARGE ABOVEGROUND ELECTRIC CONTROL PANEL PREVENT EXCAVATION IN ONE DIRECTION. DISCUSSED POSSIBILITY OF PERFORMING SMALESCALE GEOPROBE INVESTIGATION TO DETERMINE EXTENT OF

FLANIGAN CHEVROLET (Continued) **1000994326**

CONTAMINATION. SHE WILL DISCUSS WITH CLIENT (COLLEEN BRISNEHAN, ENECOTECH). 12/17/98: MJS RECEIVED FAX OF EXCAVATION SAMPLE RESULTS. SP-1 AND SP-2 TAKEN FROM BENEATH TANK AND ANALYZED FOR TOTALS. FOUND BOTH VOLATILE AND SEMI-VOL CONTAMINATION. HIGHEST VOLATILE COMPOUND IS 3.5 PPM 1,2,4-TRIMETHYLBENZENE IN SP-2 AND HIGHEST SEMI-VOL COMPOUND IS 0.733 PPM BENZO(A)PYRENE. MOST VOLATILES MEET STANDARDS, MOST SEMI-VOL COMPOUNDS (SPECIFICALLY BENZO COMPOUNDS) DO NOT MEET STANDARDS. ALSO, AN ADDITIONAL THREE SOIL SAMPLES (6060-A,B,C) WERE TAKEN FROM BELOW TANK AND DISPENSER AREA AND ANALYZED VIA TCLP METHODOLOGY. 6060-A,B (FROM BELOW TANK) RESULTS ALL MEET STANDARDS EXCEPT 2 PPB AND 1 PPB BENZENE, RESPECTIVELY. 6060-C (FROM BELOW DISPENSER AREA) INDICATE LOW-LEVEL VOLATILE CONTAMINATION - 1,2,4-TRIMETHYLBENZENE, 1,3,5-TRIMETHYLBENZENE, M,P-XYLENES AND NAPHTHALENE ARE 59, 18, 29 AND 11 PPB RESPECTIVELY. ALL OTHER ANALYTES MEET STANDARDS. 12/21/98: MJS TELECON WITH COLLEEN BRISNEHAN. MJS ADVISED HER TO DISPOSE OF EXCAVATED SOIL. SHE AGREED AND WILL PERFORM LIMITED SITE ASSESSMENT TO FURTHER DELINEATE EXTENT OF CONTAMINATION. SHE WILL FORWARD WORK PLAN. 02/04/99: MJS RECEIVED REPORT FROM ENECOTECH. 02/08/99: MJS REVIEWED REPORT. SAMPLE RESULTS EXPLAINED IN NOTES FROM 12/17/98 ABOVE. 99.73 TONS CONTAMINATED SOIL DISPOSED AT CID CHAFFEE LANDFILL. THEY PROPOSE INSTALLATION OF THREE SOIL BORINGS AND CONVERSION TO MONITORING WELLS. 02/09/99: MJS SENT LETTER TO RP APPROVING PROPOSAL TO DELINEATE CONTAMINATION. FLANIGAN CHEVROLET INC C/O DEALER LIQUIDATION INC POB 4357 TROY, MICHIGAN 48099 03/26/99: MJS TELECON WITH LINDA GRIMMER, EP&S. SHE STATED THAT DRILLING IS TENTATIVELY SCHEDULED FOR 4/8-9/99. SHE WILL NOTIFY OF ANY CHANGES. 04/01/99: MJS TELECON FROM COLLEEN BRISNEHAN. THEY WILL BEGIN DRILLING ON 4/9 AND WILL SAMPLE ON 4/12. 06/01/99: MJS RECEIVED REPORT FROM ENECOTECH. THREE BORINGS DRILLED AND CONVERTED TO MONITORING WELLS. SOIL AND GROUNDWATER SAMPLES OBTAINED FROM EACH. TH-4/MW-4: GROUNDWATER ALL NON-DETECT SOIL SAMPLE INDICATED SEMI-VOL CONTAMINATION TH-5/MW-5: GROUNDWATER BENZENE @ 43 PPB, M,P-XYLENES @ 5 PPB ALL OTHER ANALYTES MEET STANDARDS SOIL SAMPLE ALL NON-DETECT TH-6/MW-6: GROUNDWATER AND SOIL ALL NON-DETECT REVIEW FILE - CANNOT EXCAVATE IN THIS AREA OF TH-4 DUE TO FIBER OPTIC LINES AND LARGE ELECTRIC PANEL. 06/15/99: MJS TELECON WITH COLLEEN BRISNEHAN (ENECOTECH) AND SUGGESTED THE FOLLOWING: 1. ADDITIONAL SOIL BORING ADJACENT (TO THE NORTH) TO TH-4 AND SOIL ANALYSIS BY TCLP METHODOLOGY TO DEMONSTRATE LOW (IF ANY) LEACHABILITY OF CONTAMINATED SOILS. TOTALS IN THIS AREA INDICATE SOME CONTAMINATION. 2. ADDITIONAL SOIL BORING TO THE EAST OF TH-4 ON OTHER SIDE OF FIBER OPTIC LINES AND SOIL ANALYSIS FOR TOTALS TO DEMONSTRATE THAT CONTAMINANT LEVELS (TOTALS) DECREASING. PROBLEM - THIS AREA IS A DIFFERENT PROPERTY OWNER AND SITE ACCESS MAY BE DIFFICULT. COLLEEN B. WILL DISCUSS SITUATION WITH APPROPRIATE PARTIES AND REPLY WITH PROPOSAL. 09/03/99: MJS RECEIVED SUBSURFACE PROPOSAL FROM COLLEEN BRISNEHAN. THEY PROPOSE TWO BORINGS AS SUGGESTED ABOVE. 02/08/00: MJS RECEIVED PHASE III REPORT FROM ENECOTECH. TWO SOIL BORINGS INSTALLED TO THE NORTH AND EAST OF TH-5 AS PROPOSED. TWO SOIL SAMPLES OBTAINED FROM EACH BORING (2-4' AND 8-10' INTERVALS). TH-7/MW-7 (TO THE NORTH OF TH-4) SAMPLES ANALYZED VIA TCLP AND BOTH SAMPLES NON-DETECT FOR ALL ANALYTES. TH-8/MW-8 (TO THE EAST OF TH-4 AND ON ADJACENT PROPERTY) SAMPLED FOR TOTALS AND BOTH SAMPLES NON-DETECT FOR ALL ANALYTES. MJS REVIEW FILE FOR CLOSURE (INACTIVE). SOME SOIL CONTAMINATION IDENTIFIED IN SOIL SAMPLES ANALYZED FOR TOTALS. HOWEVER, ALL TCLP SOIL RESULTS DEMONSTRATE NO LEACHABILITY. VERY LOW GROUNDWATER CONTAMINATION FOUND AT TH-5/MW-5 ONLY. ALL OTHER GROUNDWATER SAMPLE LOCATIONS NON-DETECT.

FLANIGAN CHEVROLET (Continued) **1000994326**

OFF-SITE SAMPLES (TH-8/MW-8) INDICATE NO SOIL OR GROUNDWATER CONTAMINATION. MJS MAKE FILE INACTIVE - DRAFTED INACTIVE LETTER TO RP. 10/12/00: RNL TELECON FROM REBECCA PARNHAM, SHE NEEDED AN CLOSURE LETTER, RNL REFERRED TO MJS, ADDRESS AS FOLLOWS: REBECCA PARNHAM ENECO TECH 1580 LINCOLN STREET SUITE 1000 DENVER, COLORADO 80203 10/19/00:SAC TELECON REBECCA PARNHAM - PHONE NUMBER (800) 949-6777 EXT. 149, FAX NUMBER (303)861-2201. MJS REVIEWED FILE AND COULD NOT LOCATE INACTIVE LETTER. MJS DRAFTED LETTER TO RP AND COPIED MS PARNHAM. /*007522"

Remarks: "GASOLINE TANK REMOVAL. FOUND CONTAMINATED SOIL IN DISPENSER AREA."

All Materials:

Site ID:	123190
Operable Unit ID:	1078532
Operable Unit:	01
Material ID:	306862
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	FLANIGAN CHEVROLET
Address:	27 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8804736 / 1989-05-15
Facility ID:	8804736
Site ID:	123188
Spill Date:	1988-08-30
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	1989-05-15
SWIS:	3212
Investigator:	MJHINTON
Referred To:	Not reported
Reported to Dept:	1988-08-30
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	1988-08-30
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1988-09-01
Spill Record Last Update:	1989-05-26
Spiller Name:	Not reported
Spiller Company:	FLANIGAN CHEVROLET
Spiller Address:	27 MAIN STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported

FLANIGAN CHEVROLET (Continued) **1000994326**

DEC Region: 9
DER Facility ID: 106785
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJH 05/01/88: LETTER SENT REQUESTING DISPOSAL RECIEPTS. 09/01/88: CONTAMINATED SOIL STAGED ON SITE PENDING DISPOSAL, MONITORING WELL TO BE INSTALLED IN EXCAVATION. 05/10/89: RECEIPT RECEIVED FOR CONTAMINATED SOIL, SITE COMPLETE. "
Remarks: "CONTAMINATED SOIL FOUND DURING TANK REMOVAL"

All Materials:
Site ID: 123188
Operable Unit ID: 921895
Operable Unit: 01
Material ID: 456664
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

SPILLS:
Name: FLANIGAN CHEVROLET
Address: 27 MAIN STREET
City,State,Zip: NORTH TONAWANDA, NY
Spill Number/Closed Date: 9710772 / 1998-04-14
Facility ID: 9710772
Facility Type: ER
DER Facility ID: 106785
Site ID: 123189
DEC Region: 9
Spill Cause: Other
Spill Class: C3
SWIS: 3212
Spill Date: 1997-12-21
Investigator: SACALAND
Referred To: NIAGARA CNTY HEALTH DEPT
Reported to Dept: 1997-12-22
CID: 252
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: 1998-02-08
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1997-12-22
Spill Record Last Update: 2002-03-06
Spiller Name: MARK CHOCKRAN
Spiller Company: FLANIGAN CHEVROLET
Spiller Address: 27 MAIN STREET
Spiller Company: 001

FLANIGAN CHEVROLET (Continued) **1000994326**

Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC-NCHD 12/22/97:SAC TELECON PAUL DICKY,NCHD NOTIFYING HIM OF COMPLAINT, PAUL WILL FOLLOW UP, FAXED COPY OF REPORT TO HIM. 12/23/97:SAC TELECON PAUL DICKY,NCHD-HE INSPECTED SITE,NO SPILL NOTED,RP IS SAMPLING AS A PRECAUTION,AREA IS PART OF A TRENCH DRAIN/SUMP SYSTEM, SAMPLING TAKING PLACE IN TWO PLACES TO CHECK IF CONTAMINATION EXISTS DUE TO HISTORIC USE OF DRAIN.SAC TELECON COLLEEN BRESNAHAN,CONSULTANT-DUE TO POTENTIAL COLLAPSE OF THE BUILDING RP NEEDS TO FILL BASEMENT W/FLOWABLE FILL,THEY ARE GOING TO DO SITE ASSESSMENT AS PART OF POTENTIAL PROPERTY TRANSFER WHICH WILL INCLUDE WELLS OUTSIDE OF THE BUILDING. 1/29/98:RECEIVED SAMPLING REPORT,TRENCH SAMPLE BELOW STARS VALUES BUT SUMP SAMPLE WAS ABOVE,SAC TELECON COLLEEN BRISNEHAN,ENECOTECH ENVIRONMENTAL CONSULTANTS-A SITE ASSESSMENT WILL BE DONE WHICH INCLUDES THE INSTALLATION OF MONITORING WELLS,A WORKPLAN WILL BE FORWARDED. 2/3/98:SAC INSPECT W/PAUL DICKY-NCHD,MET W/SERVICE MANAGER,SAW LOCATION OF SUMP,WALL BEING CONSTRUCTED AND THEY WILL BE FILLING BASEMENT PROBABLY NEXT WEEK,OIL-WATER SEPARATOR INSTALLED,SPOKE W/CONSTRUCTION WORKER WHO WAS ON-SITE DURING EXCAVATION AND INSTALLATION OF SEPARATOR,NO NOTICEABLE CONTAMINATION DURING THE INSTALLATION,EXCAVATION WAS BACKFILLED,SANDY MATERIAL ON-SITE,NO PRODUCT OR ODORS NOTED BUT DID NOT APPEAR TO BE VIRGIN FILL. 2/4/98:SAC TELECON COLLEEN BRISNEHAN-ENECOTECH,SITE ASSESSMENT WORKPLAN IS IN FINAL STAGES OF APPROVAL,SHOULD BE SENT OUT IN THE NEXT FEW WEEKS,NO DIGGING POSSIBLE DUE TO POSSIBILITY OF COLLAPSE OF FLOOR INTO BASEMENT,THEREFORE CAN ONLY CHECK IF ANY CONTAMINATION HAS MIGRATED TO THE OUTSIDE OF THE BUILDING. 2/8/98:SAC,RNL INSPECT SITE,EXPLAINED TO RNL WHAT SITUATION REGARDING SITE IS,BASEMENT WALL IS COMPLETED,CONCRETE TRUCKS ON-SITE APPARENTLY USING FLOWABLE FILL TO FILL BASEMENT TO SUPPORT FLOOR. 2/9/98:RECEIVED WORKPLAN FOR 3 WELLS ON-SITE W/BOTH SOIL AND GW SAMPLING USING EPA METHODS 8021 & 8270. 2/11/98:DRAFTED COMMENT LETTER ACCEPTING PLAN ALONG W/NOTES TO USE STARS MEMO #1 PARAMETERS AND AN ELAP CERTIFIED LAB FOR ANALYSES.ALSO,ASKED TO BE NOTIFIED WHEN WORK BEGINS. 3/2/98:COLLEEN BRISNEHAN,ENECO TECH LEFT MESSAGE,WORK WILL BEGIN 3/10/98 WITH WELL INSTALLATION AND SAMPLING WILL TAKE PLACE 3/12/98. 4/14/98:RECEIVED PHASE III ENVIRONMENTAL SITE ASSESSMENT REPORT, ALL PARAMETERS FOR SOIL BORINGS AND WELLS WERE BELOW GUIDANCE VALUES,DRAFTED I LETTER."
Remarks: "EROSION OF CONCRETE LINING TO BASEMENT FLOOR HAS CAUSED CONTAMINATION OF SOIL TO OCCUR-WILL BE TAKING SAMPLES IN THE NEXT DAY OR SO."

All Materials:
Site ID: 123189
Operable Unit ID: 1057151
Operable Unit: 01
Material ID: 329052
Material Code: 0010
Material Name: hydraulic oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

FLANIGAN CHEVROLET (Continued) **1000994326**

Name:	FLANIGAN CHEVROLET
Address:	27 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	0650139 / 2007-03-05
Facility ID:	0650139
Facility Type:	ER
DER Facility ID:	106785
Site ID:	363221
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	B3
SWIS:	3212
Spill Date:	2006-04-27
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	2006-04-27
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
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:	2006-04-27
Spill Record Last Update:	2007-03-05
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	Not reported
Contact Name:	Not reported
DEC Memo:	"04/27/06 RMC/FILE. REPORT DUE 5/30/06. 05/25/06 RMC/FILE. REVIEWED REPORT DATED 5/4/06. ADVANCED TEN BORINGS FINISHED THREE WITH WELLS. 6 SOIL SAMPLES TO THE LAB ALL MEET TAGM FOR VOC's. ALL EXCEPT BH8 MEET TAGM FOR SVOC's. TMPMW2 SHOWS VOC EXCEEDANCES. 06/14/06 RMC/SAC/MEETING. NEED TO RESOLVE THE VENT, ODORS IN SOIL, AND SHEEN ON THE WATER NEAR BY. AREA OF CONCERN IS AT BH 8 AND BH 9. DISCUSSED WITH DOUG REID. UPDATE 6/30/06. 08/21/06 RMC/DEAN VANCAMP, 248-753-1059/PHONE. CONSULTANT FOR THE CURRENT OWNERS. THEY MAY UNDER TAKE CLEANUP. WILL CALL WITH PLAN AND DATE. UPDATE 9/30/06. 11/09/06 RMC/MIKE BEIKIRCH, 585-321-4229 HAILEY AND ALDRICH. WILL START MONDAY AM, TO REMOVE VENT PIPE AND DO SOIL REMOVAL NEXT MONDAY. UPDATE 11/30/06. 12/01/06 RMC/SITE. EXCAVATION CONTINUED EAST AND WEST ALONG THE BUILDING FOUNDATION ON THE NORTH SIDE OF BUILDING FOR ABOUT 100 FEET BY 8 TO 10 FEET WIDE. SEWER LINE LIMITS EXCAVATION NORTHWARD. CONTRACTOR REPORTS NO ODORS REMAIN, RAINING HEAVILY. LIGHT SPOTTY SHEEN ON WATER IN EXCAVATION. SAMPLES TAKEN, TO PUMP OUT WATER AND BACKFILL. REPORT DUE 1/15/07. 03/05/07 RMC/FILE. REVIEWED EEC SITE ACTIVITY REPORT. REMOVED 20 LOADS CONTAMINATED SOILS AND 1600 GALLONS CONTAMINATED WATER. ONE MINOR SOILS TAGM EXCEEDANCE AND ONE MINOR GW EXCEEDANCE. NO FURTHER ACTION REQUIRED. LETTER, INACTIVE. "
Remarks:	"CONTAMINATION FOUND IN PHASE II WILL SEND REPORT."

Y86 **53 OLIVER STREET** **US BROWNFIELDS** **1025442063**
ESE **53 OLIVER STREET** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.282 mi.
1490 ft. **Site 1 of 2 in cluster Y**

Relative:
Higher

Actual:
575 ft.

US BROWNFIELDS:

Name:	53 OLIVER STREET
Address:	53 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	County of Niagara New York
Grant Type:	Assessment
Property Number:	185.30-2-7.11
Parcel size:	0.43
Latitude:	43.024305
Longitude:	-78.872988
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:	218341
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1150
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:	96277116
Start Date:	5/11/2016
Ownership Entity:	Private
Completion Date:	6/27/2016
Current Owner:	53 Oliver, LLC
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

53 OLIVER STREET (Continued) **1025442063**

Air cleaned:	-
Asbestos found:	Y
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:	Y
Petro products cleaned:	Y
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:	0.43
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:	-

53 OLIVER STREET (Continued) **1025442063**

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:	Y
Media affected indoor air:	Y
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The site was previously used as a gasoline service station and automotive repair facility and is improved with a 6,950 sq.ft. concrete building. The building is currently used for storage and non-commercial automotive repair. In 2007, New York State Department of Environmental Conservation removed 11 USTs and approximately 5,044.22 tons of petroleum-impacted soil. Investigation was not conducted inside the building. The City of North Tonawanda foreclosed on the property for back taxes and the site was sold at auction. The current property owner is 53 Oliver LLC.
Below Poverty Number:	807
Below Poverty Percent:	26.35
Meidan Income:	2995
Meidan Income Number:	1312
Meidan Income Percent:	42.83
Vacant Housing Number:	205
Vacant Housing Percent:	11.74
Unemployed Number:	119
Unemployed Percent:	3.89

Name:	53 OLIVER STREET
Address:	53 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	County of Niagara New York
Grant Type:	Assessment
Property Number:	185.30-2-7.11
Parcel size:	0.43
Latitude:	43.024305
Longitude:	-78.872988
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:	218341
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-

53 OLIVER STREET (Continued) **1025442063**

Cleanup Funding Source:	-
Assessment Funding:	32318
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 II Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	96277116
Start Date:	5/11/2016
Ownership Entity:	Private
Completion Date:	12/12/2017
Current Owner:	53 Oliver, LLC
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
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:	Y
Petro products cleaned:	Y
Sediments found:	-
Sediments cleaned:	-

53 OLIVER STREET (Continued) **1025442063**

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:	0.43
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:	Y
Media affected indoor air:	Y
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The site was previously used as a gasoline service station and automotive repair facility and is improved with a 6,950 sq.ft. concrete building. The building is currently used for storage and non-commercial automotive repair. In 2007, New York State Department of Environmental Conservation removed 11 USTs and approximately 5,044.22 tons of petroleum-impacted soil. Investigation was not conducted inside the building. The City of North Tonawanda foreclosed on the property for back taxes and the site was sold at auction. The current property owner is 53 Oliver LLC.

53 OLIVER STREET (Continued) **1025442063**

Below Poverty Number:	807
Below Poverty Percent:	26.35
Meidan Income:	2995
Meidan Income Number:	1312
Meidan Income Percent:	42.83
Vacant Housing Number:	205
Vacant Housing Percent:	11.74
Unemployed Number:	119
Unemployed Percent:	3.89

Z87 **ARIDA-3** **US BROWNFIELDS** **1016456540**
West **4 BRIDGE STREET** **FINDS** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.283 mi.
1495 ft. **Site 1 of 2 in cluster Z**

Relative:
Higher

Actual:
574 ft.

US BROWNFIELDS:

Name:	ARIDA-3
Address:	4 BRIDGE STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	County of Niagara New York
Grant Type:	Assessment
Property Number:	184.08-1-21
Parcel size:	1.6
Latitude:	43.028608
Longitude:	-78.885612
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:	161101
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	14191
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:	96277016
Start Date:	4/21/2016
Ownership Entity:	Private
Completion Date:	7/11/2017
Current Owner:	Judith Arida
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N

ARIDA-3 (Continued) **1016456540**

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:	Y
Groundwater cleaned:	-
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:	1.6
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:	-

ARIDA-3 (Continued) **1016456540**

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:	Y
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:	Y
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:	Historically this site had a number of rail tracts that serviced the RT Jones Lumber Company. The property is currently vacant.
Below Poverty Number:	53
Below Poverty Percent:	29.12
Meidan Income:	451
Meidan Income Number:	115
Meidan Income Percent:	63.19
Vacant Housing Number:	29
Vacant Housing Percent:	18.66
Unemployed Number:	13
Unemployed Percent:	7.14
Name:	ARIDA-3
Address:	4 BRIDGE STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara, County of
Grant Type:	Assessment
Property Number:	184.08-1-21
Parcel size:	1.6
Latitude:	43.028608
Longitude:	-78.885612
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:	161101
IC Data Access:	-
Start Date:	-

ARIDA-3 (Continued) **1016456540**

Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	300
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:	97205811
Start Date:	2/14/2013
Ownership Entity:	Private
Completion Date:	4/23/2013
Current Owner:	Judith Arida
Did Owner Change:	N
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:	Y
Groundwater cleaned:	-
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:	-

ARIDA-3 (Continued) **1016456540**

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:	1.6
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:	Y
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:	Y
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:	Historically this site had a number of rail tracts that serviced the RT Jones Lumber Company. The property is currently vacant.
Below Poverty Number:	53
Below Poverty Percent:	29.12
Meidan Income:	451

ARIDA-3 (Continued) **1016456540**

Meidan Income Number: 115
Meidan Income Percent: 63.19
Vacant Housing Number: 29
Vacant Housing Percent: 18.66
Unemployed Number: 13
Unemployed Percent: 7.14

FINDS:
Registry ID: 110056393022

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.

V88 **BOOTH OIL INACT HAZ WASTE SITE** **SEMS-ARCHIVE** **1000406322**
North **76 ROBINSON STREET** **CORRACTS** **NYD002131860**
1/4-1/2 **NORTH TONAWANDA, NY 14120** **RCRA-SQG**
0.290 mi. **NY SHWS**
1533 ft. **Site 3 of 3 in cluster V** **NY ENG CONTROLS**
NY INST CONTROL
Relative: **PADS**
Higher **NY MANIFEST**
Actual:
572 ft.

SEMS Archive:
Site ID: 0201420
EPA ID: NYD002131860
Name: BOOTH OIL CO INC
Address: 76 ROBINSON ST
Address 2: Not reported
City,State,Zip: NORTH TONAWANDA, NY 14120
Cong District: 36
FIPS Code: 36063
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 02
Site ID: 0201420
EPA ID: NYD002131860
Site Name: BOOTH OIL CO INC
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1987-12-30 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 02

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Site ID: 0201420
EPA ID: NYD002131860
Site Name: BOOTH OIL CO INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1987-12-30 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 02
Site ID: 0201420
EPA ID: NYD002131860
Site Name: BOOTH OIL CO INC
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1987-11-03 05:00:00
Finish Date: 1987-11-03 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:
Name: BOOTH OIL SITE
Address: ROBINSON ST
Address 2: Not reported
Area Name: SITEWIDE
Corrective Action: CA050
Actual Date: 1986-04-09 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

RCRA-SQG:
Date Form Received by Agency: 2007-01-01 00:00:00.0
Handler Name: BOOTH OIL SITE
Handler Address: ROBINSON ST
Handler City,State,Zip: NORTH TONAWANDA, NY 14120
EPA ID: NYD002131860
Contact Name: LEO M BRAUSCH
Contact Address: WEDGEWOOD DR
Contact City,State,Zip: GIBSONIA, PA 15044
Contact Telephone: 724-444-0377
Contact Fax: Not reported
Contact Email: LBRAUSCH@FYI.NET
Contact Title: Not reported
EPA Region: 02

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

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 R9
Mailing Address:	WEDGEWOOD DR
Mailing City,State,Zip:	GIBSONIA, PA 15044
Owner Name:	BOOTH OIL CO INC
Owner Type:	Private
Operator Name:	BOOTH OIL CO., INC.
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

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

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

Biennial: List of Years
Year: 2003

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: D008
Waste Description: LEAD

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: 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: K049
Waste Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Waste Code: K052
Waste Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Waste Code: X002
Waste Description: Not Defined

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: BOOTH OIL CO., INC.
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 344
Owner/Operator City,State,Zip: OPERCITY, NY 99999
Owner/Operator Telephone: 716-693-0861
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BOOTH OIL CO., INC.
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 344
Owner/Operator City,State,Zip: OPERCITY, NY 99999
Owner/Operator Telephone: 716-693-0861
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOOTH OIL CO INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 76 ROBINSON ST
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BOOTH OIL CO
Legal Status: Private
Date Became Current: 1960-01-04 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 18
Owner/Operator City,State,Zip: BUFFALO, NY 14120
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: BOOTH OIL CO INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Owner/Operator Address: 76 ROBINSON ST
Owner/Operator City,State,Zip: NORTH TONAWANDA, NY 14120
Owner/Operator Telephone: 716-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BOOTH OIL
Legal Status: Private
Date Became Current: 1979-12-31 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: WEDGEWOOD DR
Owner/Operator City,State,Zip: GIBSONIA, PA 15044
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: 1980-11-19 00:00:00.0
Handler Name: BOOTH OIL SITE FORMER
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: 1980-11-19 00:00:00.0
Handler Name: BOOTH OIL SITE FORMER
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: 2006-01-01 00:00:00.0
Handler Name: BOOTH OIL SITE
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

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Electronic Manifest Broker: Not reported

Receive Date: 2007-01-01 00:00:00.0
Handler Name: BOOTH OIL SITE
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

Receive Date: 1998-10-05 00:00:00.0
Handler Name: BOOTH OIL SITE FORMER
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: BOOTH OIL SITE
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: 324191
NAICS Description: PETROLEUM LUBRICATING OIL AND GREASE MANUFACTURING

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

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

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

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

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

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

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: 1988-06-15 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: 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: 1987-07-10 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

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Evaluation Date:	1986-07-24 00:00:00.0
Evaluation Responsible Agency:	EPA-Initiated Oversight/Observation/Training Actions
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2PI
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:	1986-07-24 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

SHWS:

Name:	BOOTH OIL CO.
Address:	76 ROBINSON STREET
City,State,Zip:	NORTH TONAWANDA, NY 14210
Program:	HW
Site Code:	56727
Classification:	4
Region:	9
Acres:	2.5
HW Code:	932100
Record Add:	11/18/1999
Record Upd:	03/10/2020
Updated By:	SFRADON
Site Description:	Location: The Booth Oil site is located at 76 Robinson Street in the City of North Tonawanda, Niagara County, New York. Adjacent is a residential neighborhood. North Marion St. is to the east and Sommer St. to the North. Commercial/Industrial property is present to the west and south. The majority of the site is owned by CSX Transportaion Inc. Site Features: The Booth Oil site is 2.5 acres of two parcels. It is in a commercial/industrial portion of the city and

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

separated by railroad tracks. The land is flat and vacant. History: The Booth Oil site was used to store and process waste oil for resale. Much of the 2.5 acres were saturated with spilled oil, some containing PCBs. Demolition of storage tanks and structures was started in October 1985 and completed in 1987. A soil sampling program was completed in 1986. A Remedial Investigation/Feasibility Study was completed under the State Superfund program in March of 1992. Site soil, groundwater and catch basin sediment were found to be contaminated with volatiles, semivolatiles, lead and PCB's in significant concentrations. The State issued a Record of Decision (ROD) in March 1992. Contaminated sediments in the Little Niagara River from storm water discharge were investigated separately. Sediment samples collected in July of 1992, indicated that the contamination resulted from the Booth Oil Site which consisted of a small area in close proximity to the storm sewer outfall. The ROD, addressing river sediments, was issued in March 1993. In November 1996, the PRPs performed additional sampling in preparation of the Remedial Design. Negotiations with the PRPs to complete the Remedial Design, led to an Amended ROD which was signed in September of 2002. The AROD selected excavation and off-site disposal of contaminated soil and sediment. Remedial construction began in July 2003 and was substantially complete by December 2003. Final approval of the Remedial Action Completion Report occured in September 2004. The site was reclassified to a Class 4 on November 27, 2007. On behalf of the Booth Oil Site Adminstrative Group (BOSAG), an environmental consultant performs the required site management activities. The activities consist of inspections, cover maintenance and a submittal of a Periodic Review Report (PRR). The PRR also includes signed Institutional and/or Engineering Control certifications that states the controls are being implemented and the remedy remains effective. Site management to continue.

Env Problem: Remedial action completed in 2003 removed soil contamination, cleaned storm sewer drainage pathways from the site and removed site related contaminated sediments for the Niagara River. Residual low level PAH contaminated soil was left on site and was covered by clean soil. Long term site management (SM) is performed by BOSAG. Surface water sampling performed as part of the SM program has indicated no site related contamination present. Since the completion of the remedial action program, the Booth Oil site does not present a significant environmental threat. A Deed Restriction is in place on Conrail portion of site. George Booth, owner of remaining portion did not participate in the remedial action and has not been cooperative in placing deed restriction on his portion of site. BOSAG continue to negotiate with George Booth representatives to get a deed restriction filed.

Health Problem: The site has been remediated and is covered with clean soil. Exposures via drinking water are not expected because area residents are supplied with public water.

Dump: False
Structure: True
Lagoon: True
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: 43:01:57:0 / 78:52:47:0
Dell: False

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Record Add:	11/18/1999 12:00:00 PM
Record Upd:	11/18/1999 12:00:00 PM
Updated By:	INITIAL
Own Op:	1
Sub Type:	E
Owner Name:	Not reported
Owner Company:	BOOTH OIL COMPANY
Owner Address:	KATHERINE ST. BOX 427
Owner Addr2:	Not reported
Owner City,St,Zip:	BUFFALO, NY 14205
Owner Country:	United States of America
Own Op:	1
Sub Type:	NNN
Owner Name:	GEORGE BOOTH
Owner Company:	BOOTH OIL COMPANY
Owner Address:	P.O. BOX 18
Owner Addr2:	Not reported
Owner City,St,Zip:	BUFFALO, NY 14205
Owner Country:	United States of America
HW Code:	932100
Waste Type:	TOLUENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	932100
Waste Type:	XYLENE (MIXED)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	932100
Waste Type:	ETHYLBENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	932100
Waste Type:	BENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	932100
Waste Type:	USED TRANSFORMER OIL-SPILLS
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	932100
Waste Type:	PCB
Waste Quantity:	|
Waste Code:	Not reported
HW Code:	932100
Waste Type:	VOC'S
Waste Quantity:	|
Waste Code:	Not reported
HW Code:	932100
Waste Type:	SEMI-VOC'S
Waste Quantity:	|
Waste Code:	Not reported
HW Code:	932100
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	NYD002131860
Cross Ref Type Code:	5

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

ENG CONTROLS:
Name: BOOTH OIL CO.
Address: 76 ROBINSON STREET
City,State,Zip: NORTH TONAWANDA, NY 14210
Site Code: 56727
HW Code: 932100
Control Code: 15
Control Type: ENG
Date Record Added: 07/08/2009
Date Rec Updated: 03/04/2020
Updated By: BPSADOWS
Site Description: Location: The Booth Oil site is located at 76 Robinson Street in the City of North Tonawanda, Niagara County, New York. Adjacent is a residential neighborhood. North Marion St. is to the east and Sommer St. to the North. Commercial/Industrial property is present to the west and south. The majority of the site is owned by CSX Transportaion Inc. Site Features: The Booth Oil site is 2.5 acres of two parcels. It is in a commercial/industrial portion of the city and separated by railroad tracks. The land is flat and vacant. History: The Booth Oil site was used to store and process waste oil for resale. Much of the 2.5 acres were saturated with spilled oil, some containing PCBs. Demolition of storage tanks and structures was started in October 1985 and completed in 1987. A soil sampling program was completed in 1986. A Remedial Investigation/Feasibility Study was completed under the State Superfund program in March of 1992. Site soil, groundwater and catch basin sediment were found to be contaminated with volatiles, semivolatiles, lead and PCB's in significant concentrations. The State issued a Record of Decision (ROD) in March 1992. Contaminated sediments in the Little Niagara River from storm water discharge were investigated separately. Sediment samples collected in July of 1992, indicated that the contamination resulted from the Booth Oil Site which consisted of a small area in close proximity to the storm sewer outfall. The ROD, addressing river sediments, was issued in March 1993. In November 1996, the PRPs performed additional sampling in preparation of the Remedial Design. Negotiations with the PRPs to complete the Remedial Design, led to an Amended ROD which was signed in September of 2002. The AROD selected excavation and off-site disposal of contaminated soil and sediment. Remedial construction began in July 2003 and was substantially complete by December 2003. Final approval of the Remedial Action Completion Report occured in September 2004. The site was reclassified to a Class 4 on November 27, 2007. On behalf of the Booth Oil Site Adminstrative Group (BOSAG), an environmental consultant performs the required site management activities. The activities consist of inspections, cover maintenance and a submittal of a Periodic Review Report (PRR). The PRR also includes signed Institutional and/or Engineering Control certifications that states the controls are being implemented and the remedy remains effective. Site management to continue.
Env Problem: Remedial action completed in 2003 removed soil contamination, cleaned storm sewer drainage pathways from the site and removed site related contaminated sediments for the Niagara River. Residual low level PAH

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

	contaminated soil was left on site and was covered by clean soil. Long term site management (SM) is performed by BOSAG. Surface water sampling performed as part of the SM program has indicated no site related contamination present. Since the completion of the remedial action program, the Booth Oil site does not present a significant environmental threat. A Deed Restriction is in place on Conrail portion of site. George Booth, owner of remaining portion did not participate in the remedial action and has not been cooperative in placing deed restriction on his portion of site. BOSAG continue to negotiate with George Booth representatives to get a deed restriction filed.
Health Problem:	The site has been remediated and is covered with clean soil. Exposures via drinking water are not expected because area residents are supplied with public water.
Dump:	False
Structure:	True
Lagoon:	True
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	43:01:57:0 / 78:52:47:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	11/18/1999 12:00:00 PM
Updated By:	INITIAL
Own Op:	1
Sub Type:	E
Owner Name:	Not reported
Owner Company:	BOOTH OIL COMPANY
Owner Address:	KATHERINE ST. BOX 427
Owner Addr2:	Not reported
Owner City,St,Zip:	BUFFALO, NY 14205
Owner Country:	United States of America
Own Op:	1
Sub Type:	NNN
Owner Name:	GEORGE BOOTH
Owner Company:	BOOTH OIL COMPANY
Owner Address:	P.O. BOX 18
Owner Addr2:	Not reported
Owner City,St,Zip:	BUFFALO, NY 14205
Owner Country:	United States of America
HW Code:	932100
Waste Type:	TOLUENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	932100
Waste Type:	XYLENE (MIXED)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	932100
Waste Type:	ETHYLBENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	932100
Waste Type:	BENZENE
Waste Quantity:	UNKNOWN

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Waste Code:	Not reported
HW Code:	932100
Waste Type:	USED TRANSFORMER OIL-SPILLS
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	932100
Waste Type:	PCB
Waste Quantity:	|
Waste Code:	Not reported
HW Code:	932100
Waste Type:	VOC'S
Waste Quantity:	|
Waste Code:	Not reported
HW Code:	932100
Waste Type:	SEMI-VOC'S
Waste Quantity:	|
Waste Code:	Not reported
HW Code:	932100
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	NYD002131860
Cross Ref Type Code:	5
Cross Ref Type:	EPA Site ID
Record Added Date:	11/18/1999 12:00:00 PM
Record Updated:	5/10/2001 4:31:00 PM
Updated By:	REGTRANS

INST CONTROL:

Name:	BOOTH OIL CO.
Address:	76 ROBINSON STREET
City,State,Zip:	NORTH TONAWANDA, NY 14210
Site Code:	56727
Control Name:	Monitoring Plan
HW Code:	932100
Control Code:	31
Control Type:	INST
Dt record added:	06/15/2007
Dt rec updated:	03/04/2020
Updated By:	BPSADOWS
Site Code:	56727
Site Description:	Location: The Booth Oil site is located at 76 Robinson Street in the City of North Tonawanda, Niagara County, New York. Adjacent is a residential neighborhood. North Marion St. is to the east and Sommer St. to the North. Commercial/Industrial property is present to the west and south. The majority of the site is owned by CSX Transportaion Inc. Site Features: The Booth Oil site is 2.5 acres of two parcels. It is in a commercial/industrial portion of the city and separated by railroad tracks. The land is flat and vacant. History: The Booth Oil site was used to store and process waste oil for resale. Much of the 2.5 acres were saturated with spilled oil, some containing PCBs. Demolition of storage tanks and structures was started in October 1985 and completed in 1987. A soil sampling program was completed in 1986. A Remedial Investigation/Feasibility Study was completed under the State Superfund program in March of 1992. Site soil, groundwater and catch basin sediment were found to be contaminated with volatiles, semivolatiles, lead and PCB's in

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

significant concentrations. The State issued a Record of Decision (ROD) in March 1992. Contaminated sediments in the Little Niagara River from storm water discharge were investigated separately. Sediment samples collected in July of 1992, indicated that the contamination resulted from the Booth Oil Site which consisted of a small area in close proximity to the storm sewer outfall. The ROD, addressing river sediments, was issued in March 1993. In November 1996, the PRPs performed additional sampling in preparation of the Remedial Design. Negotiations with the PRPs to complete the Remedial Design, led to an Amended ROD which was signed in September of 2002. The AROD selected excavation and off-site disposal of contaminated soil and sediment. Remedial construction began in July 2003 and was substantially complete by December 2003. Final approval of the Remedial Action Completion Report occured in September 2004. The site was reclassified to a Class 4 on November 27, 2007. On behalf of the Booth Oil Site Adminstrative Group (BOSAG), an environmental consultant performs the required site management activities. The activities consist of inspections, cover maintenance and a submittal of a Periodic Review Report (PRR). The PRR also includes signed Institutional and/or Engineering Control certifications that states the controls are being implemented and the remedy remains effective. Site management to continue.

Env Problem: Remedial action completed in 2003 removed soil contamination, cleaned storm sewer drainage pathways from the site and removed site related contaminated sediments for the Niagara River. Residual low level PAH contaminated soil was left on site and was covered by clean soil. Long term site management (SM) is performed by BOSAG. Surface water sampling performed as part of the SM program has indicated no site related contamination present. Since the completion of the remedial action program, the Booth Oil site does not present a significant environmental threat. A Deed Restriction is in place on Conrail portion of site. George Booth, owner of remaining portion did not participate in the remedial action and has not been cooperative in placing deed restriction on his portion of site. BOSAG continue to negotiate with George Booth representatives to get a deed restriction filed.

Health Problem: The site has been remediated and is covered with clean soil. Exposures via drinking water are not expected because area residents are supplied with public water.

Dump: False
Structure: True
Lagoon: True
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: 43:01:57:0 / 78:52:47:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 11/18/1999 12:00:00 PM
Updated By: INITIAL
Own Op: 1
Sub Type: E
Owner Name: Not reported
Owner Company: BOOTH OIL COMPANY
Owner Address: KATHERINE ST. BOX 427
Owner Addr2: Not reported

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: GEORGE BOOTH
Owner Company: BOOTH OIL COMPANY
Owner Address: P.O. BOX 18
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
HW Code: 932100
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: ETHYLBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: USED TRANSFORMER OIL-SPILLS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: PCB
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: SEMI-VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD002131860
Cross Ref Type Code:
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

Name: BOOTH OIL CO.
Address: 76 ROBINSON STREET
City,State,Zip: NORTH TONAWANDA, NY 14210
Site Code: 56727

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Control Name: Soil Management Plan
HW Code: 932100
Control Code: 14
Control Type: INST
Dt record added: 07/08/2009
Dt rec updated: 03/04/2020
Updated By: BPSADOWS
Site Code: 56727
Site Description: Location: The Booth Oil site is located at 76 Robinson Street in the City of North Tonawanda, Niagara County, New York. Adjacent is a residential neighborhood. North Marion St. is to the east and Sommer St. to the North. Commercial/Industrial property is present to the west and south. The majority of the site is owned by CSX Transportaion Inc. Site Features: The Booth Oil site is 2.5 acres of two parcels. It is in a commercial/industrial portion of the city and separated by railroad tracks. The land is flat and vacant. History: The Booth Oil site was used to store and process waste oil for resale. Much of the 2.5 acres were saturated with spilled oil, some containing PCBs. Demolition of storage tanks and structures was started in October 1985 and completed in 1987. A soil sampling program was completed in 1986. A Remedial Investigation/Feasibility Study was completed under the State Superfund program in March of 1992. Site soil, groundwater and catch basin sediment were found to be contaminated with volatiles, semivolatiles, lead and PCB's in significant concentrations. The State issued a Record of Decision (ROD) in March 1992. Contaminated sediments in the Little Niagara River from storm water discharge were investigated separately. Sediment samples collected in July of 1992, indicated that the contamination resulted from the Booth Oil Site which consisted of a small area in close proximity to the storm sewer outfall. The ROD, addressing river sediments, was issued in March 1993. In November 1996, the PRPs performed additional sampling in preparation of the Remedial Design. Negotiations with the PRPs to complete the Remedial Design, led to an Amended ROD which was signed in September of 2002. The AROD selected excavation and off-site disposal of contaminated soil and sediment. Remedial construction began in July 2003 and was substantially complete by December 2003. Final approval of the Remedial Action Completion Report occured in September 2004. The site was reclassified to a Class 4 on November 27, 2007. On behalf of the Booth Oil Site Adminstrative Group (BOSAG), an environmental consultant performs the required site management activities. The activities consist of inspections, cover maintenance and a submittal of a Periodic Review Report (PRR). The PRR also includes signed Institutional and/or Engineering Control certifications that states the controls are being implemented and the remedy remains effective. Site management to continue.
Env Problem: Remedial action completed in 2003 removed soil contamination, cleaned storm sewer drainage pathways from the site and removed site related contaminated sediments for the Niagara River. Residual low level PAH contaminated soil was left on site and was covered by clean soil. Long term site management (SM) is performed by BOSAG. Surface water sampling performed as part of the SM program has indicated no site related contamination present. Since the completion of the remedial action program, the Booth Oil site does not present a significant environmental threat. A Deed Restriction is in place on Conrail portion of site. George Booth, owner of remaining portion did not participate in the remedial action and has not been cooperative in

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

placing deed restriction on his portion of site. BOSAG continue to negotiate with George Booth representatives to get a deed restriction filed.
Health Problem: The site has been remediated and is covered with clean soil. Exposures via drinking water are not expected because area residents are supplied with public water.
Dump: False
Structure: True
Lagoon: True
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: 43:01:57:0 / 78:52:47:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 11/18/1999 12:00:00 PM
Updated By: INITIAL
Own Op: 1
Sub Type: E
Owner Name: Not reported
Owner Company: BOOTH OIL COMPANY
Owner Address: KATHERINE ST. BOX 427
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: GEORGE BOOTH
Owner Company: BOOTH OIL COMPANY
Owner Address: P.O. BOX 18
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
HW Code: 932100
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: ETHYLBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: USED TRANSFORMER OIL-SPILLS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: PCB
Waste Quantity: |

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Waste Code: Not reported
HW Code: 932100
Waste Type: VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: SEMI-VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD002131860
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

Name: BOOTH OIL CO.
Address: 76 ROBINSON STREET
City,State,Zip: NORTH TONAWANDA, NY 14210
Site Code: 56727
Control Name: Deed Restriction
HW Code: 932100
Control Code: Not reported
Control Type: INST
Dt record added: 07/08/2009
Dt rec updated: 03/04/2020
Updated By: BPSADOWS
Site Code: 56727
Site Description: Location: The Booth Oil site is located at 76 Robinson Street in the City of North Tonawanda, Niagara County, New York. Adjacent is a residential neighborhood. North Marion St. is to the east and Sommer St. to the North. Commercial/Industrial property is present to the west and south. The majority of the site is owned by CSX Transportaion Inc. Site Features: The Booth Oil site is 2.5 acres of two parcels. It is in a commercial/industrial portion of the city and separated by railroad tracks. The land is flat and vacant. History: The Booth Oil site was used to store and process waste oil for resale. Much of the 2.5 acres were saturated with spilled oil, some containing PCBs. Demolition of storage tanks and structures was started in October 1985 and completed in 1987. A soil sampling program was completed in 1986. A Remedial Investigation/Feasibility Study was completed under the State Superfund program in March of 1992. Site soil, groundwater and catch basin sediment were found to be contaminated with volatiles, semivolatiles, lead and PCB's in significant concentrations. The State issued a Record of Decision (ROD) in March 1992. Contaminated sediments in the Little Niagara River from storm water discharge were investigated separately. Sediment samples collected in July of 1992, indicated that the contamination resulted from the Booth Oil Site which consisted of a small area in close proximity to the storm sewer outfall. The ROD, addressing river sediments, was issued in March 1993. In November 1996, the PRPs performed additional sampling in preparation of the Remedial Design. Negotiations with the PRPs to complete the Remedial

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Design, led to an Amended ROD which was signed in September of 2002. The AROD selected excavation and off-site disposal of contaminated soil and sediment. Remedial construction began in July 2003 and was substantially complete by December 2003. Final approval of the Remedial Action Completion Report occured in September 2004. The site was reclassified to a Class 4 on November 27, 2007. On behalf of the Booth Oil Site Adminstrative Group (BOSAG), an environmental consultant performs the required site management activities. The activities consist of inspections, cover maintenance and a submittal of a Periodic Review Report (PRR). The PRR also includes signed Institutional and/or Engineering Control certifications that states the controls are being implemented and the remedy remains effective. Site management to continue.

Env Problem: Remedial action completed in 2003 removed soil contamination, cleaned storm sewer drainage pathways from the site and removed site related contaminated sediments for the Niagara River. Residual low level PAH contaminated soil was left on site and was covered by clean soil. Long term site management (SM) is performed by BOSAG. Surface water sampling performed as part of the SM program has indicated no site related contamination present. Since the completion of the remedial action program, the Booth Oil site does not present a significant environmental threat. A Deed Restriction is in place on Conrail portion of site. George Booth, owner of remaining portion did not participate in the remedial action and has not been cooperative in placing deed restriction on his portion of site. BOSAG continue to negotiate with George Booth representatives to get a deed restriction filed.

Health Problem: The site has been remediated and is covered with clean soil. Exposures via drinking water are not expected because area residents are supplied with public water.

Dump: False
Structure: True
Lagoon: True
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: 43:01:57:0 / 78:52:47:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 11/18/1999 12:00:00 PM
Updated By: INITIAL
Own Op: 1
Sub Type: E
Owner Name: Not reported
Owner Company: BOOTH OIL COMPANY
Owner Address: KATHERINE ST. BOX 427
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: GEORGE BOOTH
Owner Company: BOOTH OIL COMPANY
Owner Address: P.O. BOX 18
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Owner Country: United States of America
HW Code: 932100
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: ETHYLBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: USED TRANSFORMER OIL-SPILLS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: PCB
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: SEMI-VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD002131860
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

Name: BOOTH OIL CO.
Address: 76 ROBINSON STREET
City,State,Zip: NORTH TONAWANDA, NY 14210
Site Code: 56727
Control Name: Ground Water Use Restriction
HW Code: 932100
Control Code: 8
Control Type: INST
Dt record added: 07/08/2009
Dt rec updated: 03/04/2020
Updated By: BPSADOWS
Site Code: 56727
Site Description: Location: The Booth Oil site is located at 76 Robinson Street in the

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

City of North Tonawanda, Niagara County, New York. Adjacent is a residential neighborhood. North Marion St. is to the east and Sommer St. to the North. Commercial/Industrial property is present to the west and south. The majority of the site is owned by CSX Transportaion Inc. Site Features: The Booth Oil site is 2.5 acres of two parcels. It is in a commercial/industrial portion of the city and separated by railroad tracks. The land is flat and vacant. History: The Booth Oil site was used to store and process waste oil for resale. Much of the 2.5 acres were saturated with spilled oil, some containing PCBs. Demolition of storage tanks and structures was started in October 1985 and completed in 1987. A soil sampling program was completed in 1986. A Remedial Investigation/Feasibility Study was completed under the State Superfund program in March of 1992. Site soil, groundwater and catch basin sediment were found to be contaminated with volatiles, semivolatiles, lead and PCB's in significant concentrations. The State issued a Record of Decision (ROD) in March 1992. Contaminated sediments in the Little Niagara River from storm water discharge were investigated separately. Sediment samples collected in July of 1992, indicated that the contamination resulted from the Booth Oil Site which consisted of a small area in close proximity to the storm sewer outfall. The ROD, addressing river sediments, was issued in March 1993. In November 1996, the PRPs performed additional sampling in preparation of the Remedial Design. Negotiations with the PRPs to complete the Remedial Design, led to an Amended ROD which was signed in September of 2002. The AROD selected excavation and off-site disposal of contaminated soil and sediment. Remedial construction began in July 2003 and was substantially complete by December 2003. Final approval of the Remedial Action Completion Report occured in September 2004. The site was reclassified to a Class 4 on November 27, 2007. On behalf of the Booth Oil Site Adminstrative Group (BOSAG), an environmental consultant performs the required site management activities. The activities consist of inspections, cover maintenance and a submittal of a Periodic Review Report (PRR). The PRR also includes signed Institutional and/or Engineering Control certifications that states the controls are being implemented and the remedy remains effective. Site management to continue.

Env Problem: Remedial action completed in 2003 removed soil contamination, cleaned storm sewer drainage pathways from the site and removed site related contaminated sediments for the Niagara River. Residual low level PAH contaminated soil was left on site and was covered by clean soil. Long term site management (SM) is performed by BOSAG. Surface water sampling performed as part of the SM program has indicated no site related contamination present. Since the completion of the remedial action program, the Booth Oil site does not present a significant environmental threat. A Deed Restriction is in place on Conrail portion of site. George Booth, owner of remaining portion did not participate in the remedial action and has not been cooperative in placing deed restriction on his portion of site. BOSAG continue to negotiate with George Booth representatives to get a deed restriction filed.

Health Problem: The site has been remediated and is covered with clean soil. Exposures via drinking water are not expected because area residents are supplied with public water.

Dump: False

Structure: True

Lagoon: True

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: 43:01:57:0 / 78:52:47:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 11/18/1999 12:00:00 PM
Updated By: INITIAL
Own Op: 1
Sub Type: E
Owner Name: Not reported
Owner Company: BOOTH OIL COMPANY
Owner Address: KATHERINE ST. BOX 427
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: GEORGE BOOTH
Owner Company: BOOTH OIL COMPANY
Owner Address: P.O. BOX 18
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
HW Code: 932100
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: ETHYLBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: USED TRANSFORMER OIL-SPILLS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: PCB
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: SEMI-VOC'S
Waste Quantity: |
Waste Code: Not reported

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

HW Code: 932100
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD002131860
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

Name: BOOTH OIL CO.
Address: 76 ROBINSON STREET
City,State,Zip: NORTH TONAWANDA, NY 14210
Site Code: 56727
Control Name: Building Use Restriction
HW Code: 932100
Control Code: 26
Control Type: INST
Dt record added: 07/08/2009
Dt rec updated: 03/04/2020
Updated By: BPSADOWS
Site Code: 56727
Site Description: Location: The Booth Oil site is located at 76 Robinson Street in the City of North Tonawanda, Niagara County, New York. Adjacent is a residential neighborhood. North Marion St. is to the east and Sommer St. to the North. Commercial/Industrial property is present to the west and south. The majority of the site is owned by CSX Transportaion Inc. Site Features: The Booth Oil site is 2.5 acres of two parcels. It is in a commercial/industrial portion of the city and separated by railroad tracks. The land is flat and vacant. History: The Booth Oil site was used to store and process waste oil for resale. Much of the 2.5 acres were saturated with spilled oil, some containing PCBs. Demolition of storage tanks and structures was started in October 1985 and completed in 1987. A soil sampling program was completed in 1986. A Remedial Investigation/Feasibility Study was completed under the State Superfund program in March of 1992. Site soil, groundwater and catch basin sediment were found to be contaminated with volatiles, semivolatiles, lead and PCB's in significant concentrations. The State issued a Record of Decision (ROD) in March 1992. Contaminated sediments in the Little Niagara River from storm water discharge were investigated separately. Sediment samples collected in July of 1992, indicated that the contamination resulted from the Booth Oil Site which consisted of a small area in close proximity to the storm sewer outfall. The ROD, addressing river sediments, was issued in March 1993. In November 1996, the PRPs performed additional sampling in preparation of the Remedial Design. Negotiations with the PRPs to complete the Remedial Design, led to an Amended ROD which was signed in September of 2002. The AROD selected excavation and off-site disposal of contaminated soil and sediment. Remedial construction began in July 2003 and was substantially complete by December 2003. Final approval of the Remedial Action Completion Report occured in September 2004. The site was reclassified to a Class 4 on November 27, 2007. On behalf of the Booth Oil Site Adminstrative Group (BOSAG), an environmental consultant performs the required site management activities. The activities consist of inspections, cover maintenance and a submittal

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

of a Periodic Review Report (PRR). The PRR also includes signed Institutional and/or Engineering Control certifications that states the controls are being implemented and the remedy remains effective. Site management to continue.

Env Problem: Remedial action completed in 2003 removed soil contamination, cleaned storm sewer drainage pathways from the site and removed site related contaminated sediments for the Niagara River. Residual low level PAH contaminated soil was left on site and was covered by clean soil. Long term site management (SM) is performed by BOSAG. Surface water sampling performed as part of the SM program has indicated no site related contamination present. Since the completion of the remedial action program, the Booth Oil site does not present a significant environmental threat. A Deed Restriction is in place on Conrail portion of site. George Booth, owner of remaining portion did not participate in the remedial action and has not been cooperative in placing deed restriction on his portion of site. BOSAG continue to negotiate with George Booth representatives to get a deed restriction filed.

Health Problem: The site has been remediated and is covered with clean soil. Exposures via drinking water are not expected because area residents are supplied with public water.

Dump: False
Structure: True
Lagoon: True
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: 43:01:57:0 / 78:52:47:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 11/18/1999 12:00:00 PM
Updated By: INITIAL
Own Op: 1
Sub Type: E
Owner Name: Not reported
Owner Company: BOOTH OIL COMPANY
Owner Address: KATHERINE ST. BOX 427
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: GEORGE BOOTH
Owner Company: BOOTH OIL COMPANY
Owner Address: P.O. BOX 18
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
HW Code: 932100
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

HW Code: 932100
Waste Type: ETHYLBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: USED TRANSFORMER OIL-SPILLS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: PCB
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: SEMI-VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD002131860
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

Name: BOOTH OIL CO.
Address: 76 ROBINSON STREET
City,State,Zip: NORTH TONAWANDA, NY 14210
Site Code: 56727
Control Name: Landuse Restriction
HW Code: 932100
Control Code: 25
Control Type: INST
Dt record added: 07/08/2009
Dt rec updated: 03/04/2020
Updated By: BPSADOWS
Site Code: 56727
Site Description: Location: The Booth Oil site is located at 76 Robinson Street in the City of North Tonawanda, Niagara County, New York. Adjacent is a residential neighborhood. North Marion St. is to the east and Sommer St. to the North. Commercial/Industrial property is present to the west and south. The majority of the site is owned by CSX Transportaion Inc. Site Features: The Booth Oil site is 2.5 acres of two parcels. It is in a commercial/industrial portion of the city and separated by railroad tracks. The land is flat and vacant. History: The Booth Oil site was used to store and process waste oil for resale. Much of the 2.5 acres were saturated with spilled oil, some

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

containing PCBs. Demolition of storage tanks and structures was started in October 1985 and completed in 1987. A soil sampling program was completed in 1986. A Remedial Investigation/Feasibility Study was completed under the State Superfund program in March of 1992. Site soil, groundwater and catch basin sediment were found to be contaminated with volatiles, semivolatiles, lead and PCB's in significant concentrations. The State issued a Record of Decision (ROD) in March 1992. Contaminated sediments in the Little Niagara River from storm water discharge were investigated separately. Sediment samples collected in July of 1992, indicated that the contamination resulted from the Booth Oil Site which consisted of a small area in close proximity to the storm sewer outfall. The ROD, addressing river sediments, was issued in March 1993. In November 1996, the PRPs performed additional sampling in preparation of the Remedial Design. Negotiations with the PRPs to complete the Remedial Design, led to an Amended ROD which was signed in September of 2002. The AROD selected excavation and off-site disposal of contaminated soil and sediment. Remedial construction began in July 2003 and was substantially complete by December 2003. Final approval of the Remedial Action Completion Report occured in September 2004. The site was reclassified to a Class 4 on November 27, 2007. On behalf of the Booth Oil Site Adminstrative Group (BOSAG), an environmental consultant performs the required site management activities. The activities consist of inspections, cover maintenance and a submittal of a Periodic Review Report (PRR). The PRR also includes signed Institutional and/or Engineering Control certifications that states the controls are being implemented and the remedy remains effective. Site management to continue.

Env Problem: Remedial action completed in 2003 removed soil contamination, cleaned storm sewer drainage pathways from the site and removed site related contaminated sediments for the Niagara River. Residual low level PAH contaminated soil was left on site and was covered by clean soil. Long term site management (SM) is performed by BOSAG. Surface water sampling performed as part of the SM program has indicated no site related contamination present. Since the completion of the remedial action program, the Booth Oil site does not present a significant environmental threat. A Deed Restriction is in place on Conrail portion of site. George Booth, owner of remaining portion did not participate in the remedial action and has not been cooperative in placing deed restriction on his portion of site. BOSAG continue to negotiate with George Booth representatives to get a deed restriction filed.

Health Problem: The site has been remediated and is covered with clean soil. Exposures via drinking water are not expected because area residents are supplied with public water.

Dump: False
Structure: True
Lagoon: True
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: 43:01:57:0 / 78:52:47:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 11/18/1999 12:00:00 PM
Updated By: INITIAL

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Own Op: 1
Sub Type: E
Owner Name: Not reported
Owner Company: BOOTH OIL COMPANY
Owner Address: KATHERINE ST. BOX 427
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: GEORGE BOOTH
Owner Company: BOOTH OIL COMPANY
Owner Address: P.O. BOX 18
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
HW Code: 932100
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: ETHYLBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: USED TRANSFORMER OIL-SPILLS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: PCB
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: SEMI-VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD002131860
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Updated By: REGTRANS

Name: BOOTH OIL CO.
Address: 76 ROBINSON STREET
City,State,Zip: NORTH TONAWANDA, NY 14210
Site Code: 56727
Control Name: O&M Plan
HW Code: 932100
Control Code: 33
Control Type: INST
Dt record added: 07/08/2009
Dt rec updated: 03/04/2020
Updated By: BPSADOWS
Site Code: 56727
Site Description: Location: The Booth Oil site is located at 76 Robinson Street in the City of North Tonawanda, Niagara County, New York. Adjacent is a residential neighborhood. North Marion St. is to the east and Sommer St. to the North. Commercial/Industrial property is present to the west and south. The majority of the site is owned by CSX Transportaion Inc. Site Features: The Booth Oil site is 2.5 acres of two parcels. It is in a commercial/industrial portion of the city and separated by railroad tracks. The land is flat and vacant. History: The Booth Oil site was used to store and process waste oil for resale. Much of the 2.5 acres were saturated with spilled oil, some containing PCBs. Demolition of storage tanks and structures was started in October 1985 and completed in 1987. A soil sampling program was completed in 1986. A Remedial Investigation/Feasibility Study was completed under the State Superfund program in March of 1992. Site soil, groundwater and catch basin sediment were found to be contaminated with volatiles, semivolatiles, lead and PCB's in significant concentrations. The State issued a Record of Decision (ROD) in March 1992. Contaminated sediments in the Little Niagara River from storm water discharge were investigated separately. Sediment samples collected in July of 1992, indicated that the contamination resulted from the Booth Oil Site which consisted of a small area in close proximity to the storm sewer outfall. The ROD, addressing river sediments, was issued in March 1993. In November 1996, the PRPs performed additional sampling in preparation of the Remedial Design. Negotiations with the PRPs to complete the Remedial Design, led to an Amended ROD which was signed in September of 2002. The AROD selected excavation and off-site disposal of contaminated soil and sediment. Remedial construction began in July 2003 and was substantially complete by December 2003. Final approval of the Remedial Action Completion Report occured in September 2004. The site was reclassified to a Class 4 on November 27, 2007. On behalf of the Booth Oil Site Adminstrative Group (BOSAG), an environmental consultant performs the required site management activities. The activities consist of inspections, cover maintenance and a submittal of a Periodic Review Report (PRR). The PRR also includes signed Institutional and/or Engineering Control certifications that states the controls are being implemented and the remedy remains effective. Site management to continue.
Env Problem: Remedial action completed in 2003 removed soil contamination, cleaned storm sewer drainage pathways from the site and removed site related contaminated sediments for the Niagara River. Residual low level PAH contaminated soil was left on site and was covered by clean soil. Long term site management (SM) is performed by BOSAG. Surface water

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

sampling performed as part of the SM program has indicated no site related contamination present. Since the completion of the remedial action program, the Booth Oil site does not present a significant environmental threat. A Deed Restriction is in place on Conrail portion of site. George Booth, owner of remaining portion did not participate in the remedial action and has not been cooperative in placing deed restriction on his portion of site. BOSAG continue to negotiate with George Booth representatives to get a deed restriction filed.

Health Problem: The site has been remediated and is covered with clean soil. Exposures via drinking water are not expected because area residents are supplied with public water.
Dump: False
Structure: True
Lagoon: True
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: 43:01:57:0 / 78:52:47:0
Dell: False
Record Add: 11/18/1999 12:00:00 PM
Record Upd: 11/18/1999 12:00:00 PM
Updated By: INITIAL
Own Op: 1
Sub Type: E
Owner Name: Not reported
Owner Company: BOOTH OIL COMPANY
Owner Address: KATHERINE ST. BOX 427
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
Own Op: 1
Sub Type: NNN
Owner Name: GEORGE BOOTH
Owner Company: BOOTH OIL COMPANY
Owner Address: P.O. BOX 18
Owner Addr2: Not reported
Owner City,St,Zip: BUFFALO, NY 14205
Owner Country: United States of America
HW Code: 932100
Waste Type: TOLUENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: XYLENE (MIXED)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: ETHYLBENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: BENZENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Waste Type: USED TRANSFORMER OIL-SPILLS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 932100
Waste Type: PCB
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: SEMI-VOC'S
Waste Quantity: |
Waste Code: Not reported
HW Code: 932100
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD002131860
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

PADS:
Name: BOOTH OIL INACT HAZ WASTE SITE
Address: 76 ROBINSON STREET
Address 2: Not reported
City,State,Zip: NORTH TONAWANDA, NY 14120
EDR ID: 1000406322
EPAID: NYD002131860
Region: 2
Generator: Y
Storer: N
Disposer: N
Transporter: N
Smelter: N
Research Facility: N
Mailing Address: 50 WOLF ROAD
Mailing Address 2: Not reported
Mailing City: ALBANY
Mailing State: NY
Mailing Zip: 12233-7010
Mailing Country: US
Owner Name: GEORGE T. BOOTH & SON, INC
Certification Date: 12/23/1991
Contact Name: ROBERT SCHICK
Contact Title: Not reported
Contact Telephone: 518-457-4343
Contact Text: Not reported
Contact Email: Not reported

NY MANIFEST:
Name: BOOTH OIL CO INC (BOSAG)

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

Address:	76 ROBINSON ST - REMEDIATION
City,State,Zip:	NORTH TONAWANDA, NY 14120-6806
Country:	USA
EPA ID:	NYD002131860
Facility Status:	Not reported
Location Address 1:	76 ROBINSON ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	6808

NY MANIFEST:

EPAID:	NYD002131860
Mailing Name:	BOOTH OIL CO INC (BOSAG)
Mailing Contact:	BOOTH OIL CO INC (BOSAG)
Mailing Address 1:	72 ROBINSON ST
Mailing Address 2:	Not reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14120
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7168552212

NY MANIFEST:

Document ID:	NYG2236392
Manifest Status:	Not reported
seq:	Not reported
Year:	2004
Trans1 State ID:	AD76417
Trans2 State ID:	Not reported
Generator Ship Date:	05/13/2004
Trans1 Recv Date:	05/13/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/13/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD002131860
Trans1 EPA ID:	NYD982792814
Trans2 EPA ID:	Not reported
TSDF ID 1:	OHD004178
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

BOOTH OIL INACT HAZ WASTE SITE (Continued) **1000406322**

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:	02500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00

Y89 **HURTUBISE TIRE** **NY LTANKS** **S102234078**
SE **TREMONT STREET AND OLIVER** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY**
0.291 mi.
1536 ft. **Site 2 of 2 in cluster Y**

Relative: **Higher**
Actual: **576 ft.**

LTANKS:

Name:	HURTUBISE TIRE
Address:	TREMONT STREET AND OLIVER
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9507868 / 1995-12-06
Facility ID:	9507868
Site ID:	188884
Spill Date:	1995-09-23
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	E6
Cleanup Ceased:	Not reported
SWIS:	1500
Investigator:	SORGI
Referred To:	Not reported
Reported to Dept:	1995-09-26
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Citizen
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1995-09-27
Spill Record Last Update:	2003-02-10
Spiller Name:	Not reported
Spiller Company:	NONE
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	157727
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJS 09/26/95: NCHD NOTIFIED AND WILL INSPECT. 09/27/95: NCHD INSPECTED ON 9/26 AND FOUND NO EVIDENCE OF DUMPING. THEY WILL FORWARD

HURTUBISE TIRE (Continued) **S102234078**

REPORT FOR CLOSURE OF FILE. 12/06/95: RECEIVED REPORT FROM NCHD. COMPLAINT UNFOUNDED. POSSIBLE EX-EMPLOYEE DISPUTE. NO FURTHER ACTION REQUIRED. MJS CLOSE FILE. "

Remarks: "REMOVED BLACKTOP AND PIPING OVER THE WEEKEND. CALLER STATES TANK WERE LEFT IN PLACE AND SOIL THAT APPEARS TO BE CONTAMINATED IS BEING HAULED TO BUSH NURSERIES ON SWEENEY STREET."

All Materials:

Site ID:	188884
Operable Unit ID:	1018738
Operable Unit:	01
Material ID:	362312
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

90
NW
1/4-1/2
0.293 mi.
1545 ft.

SMITH BOYS SITE -3 **US BROWNFIELDS** **1018125178**
250 MICHIGAN STREET **N/A**
NORTH TONAWANDA, NY 14120

Relative:
Higher

Actual:
574 ft.

US BROWNFIELDS:

Name:	SMITH BOYS SITE -3
Address:	250 MICHIGAN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara, County of
Grant Type:	Assessment
Property Number:	181.20-1-1.2
Parcel size:	3.7
Latitude:	43.030231
Longitude:	-78.883899
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	The parcel is part of the larger site on Tonawanda Island that was formerly used as part of a large lumber storage yard and processing mill.
Datum:	North American Datum of 1983
Acres Property ID:	161122
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	389
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-

SMITH BOYS SITE -3 (Continued) **1018125178**

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:	97205811
Start Date:	2/14/2013
Ownership Entity:	Private
Completion Date:	10/30/2013
Current Owner:	Dietrich Sales Corporation
Did Owner Change:	N
Cleanup Required:	U
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:	-
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:	-

SMITH BOYS SITE -3 (Continued) **1018125178**

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:	3.7
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 was associated with the lumber industry from the mid 1800s until the 1970's. Three building were constructed on the site in the mid to late 1980s and are currently used for boat storage.
Below Poverty Number:	90
Below Poverty Percent:	15.31
Meidan Income:	1983
Meidan Income Number:	265
Meidan Income Percent:	45.07
Vacant Housing Number:	23
Vacant Housing Percent:	6.93
Unemployed Number:	36
Unemployed Percent:	6.12

91
South
1/4-1/2
0.301 mi.
1589 ft.

BERNARD SALTZMAN
RT. 265
NORTH TONAWANDA, NY

NY LTANKS

S100118412
N/A

Relative:
Lower

Actual:
570 ft.

LTANKS:

Name:	BERNARD SALTZMAN
Address:	RT. 265
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8600695 / 1986-08-11
Facility ID:	8600695
Site ID:	69106
Spill Date:	1986-04-28
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Not reported
Cleanup Ceased:	1986-08-11
SWIS:	3212
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	1986-04-29
CID:	Not reported
Water Affected:	BARGE CANAL
Spill Notifier:	Federal Government
Last Inspection:	1986-08-11
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1986-05-21
Spill Record Last Update:	1986-08-12
Spiller Name:	Not reported
Spiller Company:	BERNARD SALTZMAN
Spiller Address:	144 MERRYMONT RD
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	65740
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MNP / / : REQUESTED TO MOVE TANK AWAY FROM CANAL. / / : SITE INSP. 8/11/86, NO SIGN OF OIL, TANK MOVED AWAY FROM CANAL & ENCLOSED; NO FURTHER ACTION NECESSARY. "
Remarks:	"OIL TANK LINE LEAKING INTO CANAL"

All Materials:

Site ID:	69106
Operable Unit ID:	898477
Operable Unit:	01
Material ID:	480837
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

X92 **110 SWEENEY STREET SITE** **US BROWNFIELDS** **1016358900**
SSE **100 SWEENEY STREET** **FINDS** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.305 mi.
1611 ft. **Site 2 of 2 in cluster X**

Relative:
Lower

Actual:
570 ft.

US BROWNFIELDS:

Name:	110 SWEENEY STREET SITE
Address:	100 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara, County of
Grant Type:	Assessment
Property Number:	185.09-1-14
Parcel size:	0.33
Latitude:	43.022072
Longitude:	-78.8765637
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Center of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	131164
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	23092
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 & Petroleum
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97205911
Start Date:	7/1/2013
Ownership Entity:	Private
Completion Date:	4/21/2014
Current Owner:	Pirson Auto Parts Inc.
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Y
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	Y
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-

110 SWEENEY STREET SITE (Continued) **1016358900**

Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
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:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
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:	0.33
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	0.33
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
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:	Y
Cadmium contaminant found:	Y

110 SWEENEY STREET SITE (Continued) **1016358900**

Chromium contaminant found:	Y
Copper contaminant found:	Y
Iron contaminant found:	Y
Mercury contaminant found:	-
Nickel contaminant found:	Y
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	Y
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	From 1938 to 2011, the property was used for automotive parts sales, a machine shop, electric motor repair and other various retail and light industrial uses. During this time, the property owner has remained Pirson Auto Parts Inc. The site is located in the downtown area of the City of North Tonawanda, adjacent to the Erie Canal.
Below Poverty Number:	818
Below Poverty Percent:	32.45
Meidan Income:	6340
Meidan Income Number:	1265
Meidan Income Percent:	50.18
Vacant Housing Number:	281
Vacant Housing Percent:	17.35
Unemployed Number:	143
Unemployed Percent:	5.67

Name:	110 SWEENEY STREET SITE
Address:	100 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.09-1-14
Parcel size:	0.33
Latitude:	43.022072
Longitude:	-78.8765637
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Center of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	131164
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1875
Assessment Funding Source:	EPA
Redevelopment Funding:	-

110 SWEENEY STREET SITE (Continued) **1016358900**

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 & Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	3/22/2010
Ownership Entity:	Private
Completion Date:	7/16/2010
Current Owner:	Pirson Auto Parts Inc.
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Y
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	Y
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
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:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y

110 SWEENEY STREET SITE (Continued) **1016358900**

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:	0.33
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	0.33
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
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:	Y
Cadmium contaminant found:	Y
Chromium contaminant found:	Y
Copper contaminant found:	Y
Iron contaminant found:	Y
Mercury contaminant found:	-
Nickel contaminant found:	Y
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	Y
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	From 1938 to 2011, the property was used for automotive parts sales, a machine shop, electric motor repair and other various retail and light industrial uses. During this time, the property owner has remained Pirson Auto Parts Inc. The site is located in the downtown area of the City of North Tonawanda, adjacent to the Erie Canal.
Below Poverty Number:	818
Below Poverty Percent:	32.45
Meidan Income:	6340
Meidan Income Number:	1265
Meidan Income Percent:	50.18
Vacant Housing Number:	281
Vacant Housing Percent:	17.35
Unemployed Number:	143

110 SWEENEY STREET SITE (Continued) **1016358900**

Unemployed Percent: 5.67

FINDS:
Registry ID: 110043637892

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.

Z93 **WATER TREATMENT PLANT** **NY LTANKS S110773950**
West **1 ARCHER ST** **NY Spills N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.322 mi.
1699 ft. **Site 2 of 2 in cluster Z**

Relative: **Higher**
Actual: **573 ft.**

LTANKS:

Name:	NORTH TONAWANDA WATER DEP
Address:	1 ARCHER STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9706751 / 1997-11-14
Facility ID:	9706751
Site ID:	189681
Spill Date:	1997-09-05
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	3212
Investigator:	SACALAND
Referred To:	NIAGARA CNTY HEALTH DEPT
Reported to Dept:	1997-09-05
CID:	252
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	1997-09-11
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1997-09-05
Spill Record Last Update:	1997-11-19
Spiller Name:	DAVID GRACE
Spiller Company:	NORTH TONAWANDA WATER DEP
Spiller Address:	1 ARCHER STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	158297
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC-NCHD 9/8/97:SAC TELECON BOB BUZZELLI,NCHD NOTIFYING HIM OF THE SPILL, PAUL DICKY WILL FOLLOW UP FOR NCHD,SAC TO CALL AND FIND OUT

WATER TREATMENT PLANT (Continued) **S110773950**

STATUS,FAXED COPY OF REPORT TO NCHD. 9/10/97:SAC TELECON FRANK MARINTO,N.T. WATER DEPT.- TANK TOP WAS EXPOSED AND CRACK AT TOP WAS DISCOVERED,NO CONTAMINATION WAS OBSERVED,THEY HAVE PATCHED TANK AND WILL RETEST,SAC TO CHECK W/JES IF THIS IS ACCEPTABLE. SAC SPOKE W/JES,TANK WOULD NEED TO BE RECERTIFIED BY MANUFACTURER BEFORE BEING PUT INTO SERVICE. 9/11/97:SAC TELECON FRANK MARINTO NOTIFYING HIM OF RECERTIFICATION REQUIREMENT,THEY ARE GOING TO HAVE TANK TESTED TOMORROW ANYWAY. 9/12/97:SAC TELECON DAVID GRACE,N.T. WATER DEPT.,SAC TOLD HIM RECERTIFICATION OF TANK IS A REQUIREMENT BEFORE TANK COULD BE PLACED BACK IN SERVICE,MR.GRACE INDICATED TANK FAILED RETEST AS A COUPLE OF OTHER HOLES WERE FOUND,HAVE CONTACTED OWENS-CORNING WHO IS MANUFACTURER AND NEAREST CERTIFICATION COMPANY IS IN PENNSYLVANIA,WILL CHECK OPTIONS. 9/15/97:DRAFTED RE-TEST, OR REMOVE TANK LETTER TO RP.SAC TELECON PAUL DICKY,NCHD-MR.DICKY INSPECTED AND DID NOT OBSERVE CONTAMINATION. 10/1/97:SAC TELECON DAVID GRACE,N.T. WATER DEPT.,TANK BEING REPAIRED AND WILL BE RECERTIFIED,TANK NEEDS TO BE RETESTED. 10/6/97:SAC TELECON PAUL DICKY,NCHD-MR.GRACE CALLED HIM,TANK WILL BE RETESTED NEXT WEEK,10/15/97. 11/14/97:RECEIVED TANK RE-TEST RESULTS,TANK TESTED TIGHT,ALSO RECEIVED COPY OF MANUFACTURES REPAIRS BY CERTIFIED CONTRACTOR."

Remarks: "TANK CONTRACTOR SCHED TO SHOW UP ON MONDAY TO DETERMINE THE PROBLEM"

All TTF:

Facility ID:	9706751
Spill Number:	9706751
Spill Tank Test:	1545303
Site ID:	189681
Tank Number:	1
Tank Size:	10000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	189681
Operable Unit ID:	1050118
Operable Unit:	01
Material ID:	332333
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

WATER TREATMENT PLANT (Continued) **S110773950**

SPILLS:

Name:	WATER TREATMENT PLANT
Address:	1 ARCHER ST
City,State,Zip:	NORTH TONAWANDA, NY 14120
Spill Number/Closed Date:	2002729 / Not Reported
Facility ID:	2002729
Facility Type:	ER
DER Facility ID:	556803
Site ID:	608432
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	3212
Spill Date:	2020-07-10
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2020-07-10
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:	2020-07-10
Spill Record Last Update:	2020-07-10
Spiller Name:	Not reported
Spiller Company:	CITY OF NORTH TONAWANDA
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	STEVE RINKER
DEC Memo:	"7/10/2020:SAC TELECON STEVE RINKER - NW CONTRACTING. MR. RINKER SAID WHILE EXCAVATING FOR THE FOUNDATION FORTHE NEW ABOVE GROUND STORAGE TANK TO BE INSTALLED, THEY FOUND PETROLEUM CONTAMINATED SOIL. THE AREA WAS WHERE THE FORMER GENERATOR WAS LOCATED. THERE WAS A KNOCKOUT TANK FOR THE CONDENSATE AND A LARGE EXHAUST SYSTEM. MR. RINKER BELIEVES THE CONTAMINATION IS FROM THE OILY CONDENSATE THAT CAME FROM THE EXHAUST. THEY HAVE REMOVED 4 TO 5 TONS OF CONTAMINATED SOIL WHEN THEY REACHED CLAY. THEY WILL TAKE CONFIRMATORY SAMPLES FROM BOTTOM AND SIDES."
Remarks:	"cleanup pending - callback requested -"

All Materials:

Site ID:	608432
Operable Unit ID:	1355583
Operable Unit:	01
Material ID:	2366768
Material Code:	9999
Material Name:	other - unknown oil from condensate ta
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported

WATER TREATMENT PLANT (Continued) **S110773950**

Oxygenate:	Not reported
Name:	NORTH TONAWANDA WATER TREATMENT PLANT
Address:	1 ARCHER ST
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	2002400 / Not Reported
Facility ID:	2002400
Facility Type:	ER
DER Facility ID:	556474
Site ID:	608086
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	B3
SWIS:	3212
Spill Date:	2020-07-01
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2020-07-01
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
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:	2020-07-01
Spill Record Last Update:	2020-07-10
Spiller Name:	DAVE CONTI
Spiller Company:	NORTH TONAWANDA WATER DEPARTMENT
Spiller Address:	1 ARCHER STREET
Spiller Company:	999
Contact Name:	DAVE CONTI
DEC Memo:	"7/1/2020:SAC INSPECT SITE. MET W/DAVE CONTI - NORTH TONAWANDA WATER DEPT., STEVE RINKER AND GARY MAYBACH - NW CONTRACTING. WHILE REMOVING A 10,000 GALLON FIBERGLASS UST, FUEL OIL CONTAMINATION WAS OBSERVED IN THE EXCAVATION. MR. RINKER SAID THE UST WAS IN GOOD CONDITION. HE BELIEVES THAT THERE WAS A FORMER UST IN THE SAME LOCATION, WHICH IS THE SOURCE OF THE CONTAMINATION. THERE IS A CONCRETE SLAB ON THE BOTTOM OF THE EXCAVATION. MR. RINKER ESTIMATED THEY ARE DOWN ABOUT 15 FT. THE EAST WALL IS SHEETING FROM THE BUILDING. THERE ARE UTILITIES AND THE RIVER IS CLOSE BY SO THEY ARE LIMITED IN THEIR ABILITY TO EXCAVATE. THEY WILL REMOVE AS MUCH CONTMINATED MATERIAL AS POSSIBLE FOR DISPOSAL AND TAKE SOIL SAMPLES FROM WHERE THEY CAN BE ACCESSED ON THE OTHER 3 SIDES OF TEH EXCAVATION. THEY WAS WATER IN THE BOTTOM OF THE EXCAVATION WITH SHEEN AND SPOTTY PRODUCT. AFTER REMOVING THE WATER AND CONTAMINATED MATERIAL, THEY WILL INSTALL TWO 4 INCH WELLS ON EACH SIDE OF THE EXCAVATION FOR RECOVERY AND SAMPLING. WORK WILL CONTINUE THIS MONDAY, 7/6. 7/10/2020:SAC TELECON STEVE RINKER. MR. RINKER SAID WORK HAS BEEN COMPLETED. THEY REMOVED 60 TO 80 TONS OF CONTAMINATED SOIL AND 5000 GALLONS OF WATER FOR DISPOSAL. THE WELLS HAVE BEEN INSTALLED. AFTER REMOVING THE WATER, WATER INFILTRATED THE EXCAVATION BASED ON THE LEVEL OF THE RIVER, BUT NO PETROLEUM CONTAMINATION WAS OBSERVED."

WATER TREATMENT PLANT (Continued) **S110773950**

Remarks: "sheen from unknown source, investigation and c/u ongoing"

All Materials:

Site ID:	608086
Operable Unit ID:	1355246
Operable Unit:	01
Material ID:	2366382
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

AA94 **REMINGTON RAND BUILDING** **NY ENG CONTROLS** **S110306159**
SE **184 SWEENEY STREET** **NY INST CONTROL** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120** **NY BROWNFIELDS**
0.325 mi.
1718 ft. **Site 1 of 2 in cluster AA**

Relative: **Higher**
Actual: **572 ft.**

ENG CONTROLS:

Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Site Code:	391230
HW Code:	Not reported
Control Code:	15
Control Type:	ENG
Date Record Added:	09/21/2010
Date Rec Updated:	05/20/2020
Updated By:	GMMAY
Site Description:	Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These

REMINGTON RAND BUILDING (Continued) **S110306159**

contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem:	Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.
Health Problem:	Completed remedial activities have eliminated potential routes of exposure to low level 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:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03

REMINGTON RAND BUILDING (Continued) **S110306159**

Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

HW Code:	Not reported
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PCB aroclor 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	b9-0780-08-06
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	4/17/2009 11:46:00 AM
Record Updated:	4/17/2009 11:46:00 AM
Updated By:	THKNIZEK
Crossref ID:	Instrument 2010-14851
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/19/2010 10:13:00 AM
Record Updated:	10/19/2010 10:16:00 AM
Updated By:	mjhinton

Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Site Code:	391230
HW Code:	Not reported
Control Code:	13
Control Type:	ENG
Date Record Added:	09/21/2010
Date Rec Updated:	05/20/2020
Updated By:	GMMAY
Site Description:	Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is

REMINGTON RAND BUILDING (Continued) **S110306159**

located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.

Health Problem: Completed remedial activities have eliminated potential routes of exposure to low level contamination.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

Dell:	Not reported
Record Add:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	FLUORANTHENE

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB aroclor 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-Trichloroethane(TCA)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: b9-0780-08-06
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 4/17/2009 11:46:00 AM
Record Updated: 4/17/2009 11:46:00 AM
Updated By: THKNIZEK
Crossref ID: Instrument 2010-14851
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 10/19/2010 10:13:00 AM
Record Updated: 10/19/2010 10:16:00 AM
Updated By: mjhinton

INST CONTROL:
Name: REMINGTON RAND BUILDING
Address: 184 SWEENEY STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 391230
Control Name: IC/EC Plan
HW Code: Not reported
Control Code: 34
Control Type: INST
Dt record added: 09/21/2010
Dt rec updated: 05/20/2020
Updated By: GMMAY
Site Code: 391230
Site Description: Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100

REMINGTON RAND BUILDING (Continued) **S110306159**

square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.

Health Problem: Completed remedial activities have eliminated potential routes of

REMINGTON RAND BUILDING (Continued) **S110306159**

exposure to low level 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: 1/3/2008 2:43:00 PM
Record Upd: 10/1/2012 12:21:00 PM
Updated By: ldennist
Own Op: 6
Sub Type: P03
Owner Name: ERIC KAGER
Owner Company: GOLD WYNN REMINGTON LOFTS, LLC
Owner Address: 298 Main street
Owner Addr2: suite 222
Owner City,St,Zip: buffalo, NY 14202
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Not reported
Owner Company: NORTH TONAWANDA PUBLIC LIBRARY
Owner Address: 505 MEADOW DRIVE
Owner Addr2: Not reported
Owner City,St,Zip: NORTH TONAWANDA, NY 14120
Owner Country: United States of America
HW Code: Not reported
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: DIBENZ[A,H]ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: indeno(1,2,3-cd)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO[K]FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

HW Code: Not reported
Waste Type: CHROMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(B)FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PHENANTHRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: MANGANESE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZ(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CADMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB-AROCLOR 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1 TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Type: BENZO(GHI)PERYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: Chrysene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB aroclor 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-Trichloroethane(TCA)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: b9-0780-08-06
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 4/17/2009 11:46:00 AM
Record Updated: 4/17/2009 11:46:00 AM
Updated By: THKNIZEK
Crossref ID: Instrument 2010-14851
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 10/19/2010 10:13:00 AM
Record Updated: 10/19/2010 10:16:00 AM
Updated By: mjhinton

Name: REMINGTON RAND BUILDING
Address: 184 SWEENEY STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 391230
Control Name: Environmental Easement
HW Code: Not reported
Control Code: Not reported
Control Type: INST
Dt record added: 09/21/2010
Dt rec updated: 05/20/2020
Updated By: GMMAY
Site Code: 391230
Site Description: Location: The property and bound to the north by Tremont Street, to

REMINGTON RAND BUILDING (Continued) **S110306159**

the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial

REMINGTON RAND BUILDING (Continued) **S110306159**

	investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.
Health Problem:	Completed remedial activities have eliminated potential routes of exposure to low level 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:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

HW Code: Not reported
Waste Type: indeno(1,2,3-cd)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO[K]FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CHROMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(B)FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PHENANTHRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: MANGANESE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZ(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CADMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB-AROCLOR 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1 TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(GHI)PERYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: Chrysene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB aroclor 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-Trichloroethane(TCA)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: b9-0780-08-06
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 4/17/2009 11:46:00 AM
Record Updated: 4/17/2009 11:46:00 AM
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Crossref ID: Instrument 2010-14851
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 10/19/2010 10:13:00 AM
Record Updated: 10/19/2010 10:16:00 AM
Updated By: mjhinton

Name: REMINGTON RAND BUILDING
Address: 184 SWEENEY STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 391230
Control Name: Site Management Plan

REMINGTON RAND BUILDING (Continued) **S110306159**

HW Code: Not reported
Control Code: 32
Control Type: INST
Dt record added: 09/21/2010
Dt rec updated: 05/20/2020
Updated By: GMMAY
Site Code: 391230
Site Description: Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation,

REMINGTON RAND BUILDING (Continued) **S110306159**

monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.

Health Problem: Completed remedial activities have eliminated potential routes of exposure to low level 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: 1/3/2008 2:43:00 PM
Record Upd: 10/1/2012 12:21:00 PM
Updated By: ldennist
Own Op: 6
Sub Type: P03
Owner Name: ERIC KAGER
Owner Company: GOLD WYNN REMINGTON LOFTS, LLC
Owner Address: 298 Main street
Owner Addr2: suite 222
Owner City,St,Zip: buffalo, NY 14202
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Not reported
Owner Company: NORTH TONAWANDA PUBLIC LIBRARY
Owner Address: 505 MEADOW DRIVE
Owner Addr2: Not reported
Owner City,St,Zip: NORTH TONAWANDA, NY 14120
Owner Country: United States of America
HW Code: Not reported
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

HW Code:	Not reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Type: 1,1,1 TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(GHI)PERYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: Chrysene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB aroclor 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-Trichloroethane(TCA)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: b9-0780-08-06
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 4/17/2009 11:46:00 AM
Record Updated: 4/17/2009 11:46:00 AM
Updated By: THKNIZEK
Crossref ID: Instrument 2010-14851
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 10/19/2010 10:13:00 AM

REMINGTON RAND BUILDING (Continued) **S110306159**

Record Updated: 10/19/2010 10:16:00 AM
Updated By: mjhinton

Name: REMINGTON RAND BUILDING
Address: 184 SWEENEY STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 391230
Control Name: O&M Plan
HW Code: Not reported
Control Code: 33
Control Type: INST
Dt record added: 09/21/2010
Dt rec updated: 05/20/2020
Updated By: GMMAY
Site Code: 391230
Site Description: Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the

REMINGTON RAND BUILDING (Continued) **S110306159**

southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.

Health Problem: Completed remedial activities have eliminated potential routes of exposure to low level 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: 1/3/2008 2:43:00 PM
Record Upd: 10/1/2012 12:21:00 PM
Updated By: ldennist
Own Op: 6
Sub Type: P03
Owner Name: ERIC KAGER
Owner Company: GOLD WYNN REMINGTON LOFTS, LLC
Owner Address: 298 Main street
Owner Addr2: suite 222
Owner City,St,Zip: buffalo, NY 14202
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Not reported
Owner Company: NORTH TONAWANDA PUBLIC LIBRARY
Owner Address: 505 MEADOW DRIVE
Owner Addr2: Not reported
Owner City,St,Zip: NORTH TONAWANDA, NY 14120
Owner Country: United States of America
HW Code: Not reported
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

HW Code: Not reported
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: DIBENZ[A,H]ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: indeno(1,2,3-cd)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO[K]FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CHROMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(B)FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PHENANTHRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: MANGANESE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZ(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CADMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Type: PCB-AROCLOR 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1 TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(GHI)PERYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: Chrysene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB aroclor 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-Trichloroethane(TCA)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: b9-0780-08-06
Cross Ref Type Code: 23

REMINGTON RAND BUILDING (Continued) **S110306159**

Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 4/17/2009 11:46:00 AM
Record Updated: 4/17/2009 11:46:00 AM
Updated By: THKNIZEK
Crossref ID: Instrument 2010-14851
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 10/19/2010 10:13:00 AM
Record Updated: 10/19/2010 10:16:00 AM
Updated By: mjhinton

Name: REMINGTON RAND BUILDING
Address: 184 SWEENEY STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 391230
Control Name: Ground Water Use Restriction
HW Code: Not reported
Control Code: 8
Control Type: INST
Dt record added: 09/21/2010
Dt rec updated: 05/20/2020
Updated By: GMMAY
Site Code: 391230
Site Description: Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular,

REMINGTON RAND BUILDING (Continued) **S110306159**

loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.

Health Problem: Completed remedial activities have eliminated potential routes of exposure to low level 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: 1/3/2008 2:43:00 PM
Record Upd: 10/1/2012 12:21:00 PM
Updated By: ldennist
Own Op: 6
Sub Type: P03
Owner Name: ERIC KAGER
Owner Company: GOLD WYNN REMINGTON LOFTS, LLC
Owner Address: 298 Main street
Owner Addr2: suite 222
Owner City,St,Zip: buffalo, NY 14202
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Not reported
Owner Company: NORTH TONAWANDA PUBLIC LIBRARY

REMINGTON RAND BUILDING (Continued) **S110306159**

Owner Address: 505 MEADOW DRIVE
Owner Addr2: Not reported
Owner City,St,Zip: NORTH TONAWANDA, NY 14120
Owner Country: United States of America
HW Code: Not reported
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: DIBENZ[A,H]ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: indeno(1,2,3-cd)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO[K]FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CHROMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(B)FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PHENANTHRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: MANGANESE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Type: BENZ(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CADMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB-AROCLOR 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1 TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(GHI)PERYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: Chrysene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB aroclor 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-Trichloroethane(TCA)

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: b9-0780-08-06
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 4/17/2009 11:46:00 AM
Record Updated: 4/17/2009 11:46:00 AM
Updated By: THKNIZEK
Crossref ID: Instrument 2010-14851
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 10/19/2010 10:13:00 AM
Record Updated: 10/19/2010 10:16:00 AM
Updated By: mjhinton

Name: REMINGTON RAND BUILDING
Address: 184 SWEENEY STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 391230
Control Name: Monitoring Plan
HW Code: Not reported
Control Code: 31
Control Type: INST
Dt record added: 09/21/2010
Dt rec updated: 05/20/2020
Updated By: GMMAY
Site Code: 391230
Site Description: Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion

REMINGTON RAND BUILDING (Continued) **S110306159**

on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.

Health Problem: Completed remedial activities have eliminated potential routes of exposure to low level 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: 1/3/2008 2:43:00 PM
Record Upd: 10/1/2012 12:21:00 PM
Updated By: ldennist
Own Op: 6
Sub Type: P03
Owner Name: ERIC KAGER
Owner Company: GOLD WYNN REMINGTON LOFTS, LLC

REMINGTON RAND BUILDING (Continued) **S110306159**

Owner Address: 298 Main street
Owner Addr2: suite 222
Owner City,St,Zip: buffalo, NY 14202
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Not reported
Owner Company: NORTH TONAWANDA PUBLIC LIBRARY
Owner Address: 505 MEADOW DRIVE
Owner Addr2: Not reported
Owner City,St,Zip: NORTH TONAWANDA, NY 14120
Owner Country: United States of America
HW Code: Not reported
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: DIBENZ[A,H]ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: indeno(1,2,3-cd)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO[K]FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CHROMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(B)FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Type: PHENANTHRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: MANGANESE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZ(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CADMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB-AROCLOR 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1 TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(GHI)PERYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: Chrysene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-TCA

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB aroclor 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-Trichloroethane(TCA)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: b9-0780-08-06
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 4/17/2009 11:46:00 AM
Record Updated: 4/17/2009 11:46:00 AM
Updated By: THKNIZEK
Crossref ID: Instrument 2010-14851
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 10/19/2010 10:13:00 AM
Record Updated: 10/19/2010 10:16:00 AM
Updated By: mjhinton

Name: REMINGTON RAND BUILDING
Address: 184 SWEENEY STREET
City,State,Zip: NORTH TONAWANDA, NY 14120
Site Code: 391230
Control Name: Landuse Restriction
HW Code: Not reported
Control Code: 25
Control Type: INST
Dt record added: 09/21/2010
Dt rec updated: 05/20/2020
Updated By: GMMAY
Site Code: 391230
Site Description: Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is

REMINGTON RAND BUILDING (Continued) **S110306159**

located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.

Health Problem: Completed remedial activities have eliminated potential routes of exposure to low level contamination.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

Dell: Not reported
Record Add: 1/3/2008 2:43:00 PM
Record Upd: 10/1/2012 12:21:00 PM
Updated By: ldennist
Own Op: 6
Sub Type: P03
Owner Name: ERIC KAGER
Owner Company: GOLD WYNN REMINGTON LOFTS, LLC
Owner Address: 298 Main street
Owner Addr2: suite 222
Owner City,St,Zip: buffalo, NY 14202
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Not reported
Owner Company: NORTH TONAWANDA PUBLIC LIBRARY
Owner Address: 505 MEADOW DRIVE
Owner Addr2: Not reported
Owner City,St,Zip: NORTH TONAWANDA, NY 14120
Owner Country: United States of America
HW Code: Not reported
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BARIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: DIBENZ[A,H]ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: indeno(1,2,3-cd)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO[K]FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CHROMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Type: BENZO(B)FLUORANTHENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PHENANTHRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: MANGANESE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZ(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CADMIUM
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB-AROCLOR 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1 TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(GHI)PERYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: Chrysene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: FLUORANTHENE

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-TCA
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: PCB aroclor 1248
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: 1,1,1-Trichloroethane(TCA)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: Not reported
Waste Type: BENZO(A)ANTHRACENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: b9-0780-08-06
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 4/17/2009 11:46:00 AM
Record Updated: 4/17/2009 11:46:00 AM
Updated By: THKNIZEK
Crossref ID: Instrument 2010-14851
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 10/19/2010 10:13:00 AM
Record Updated: 10/19/2010 10:16:00 AM
Updated By: mjhinton

BROWNFIELDS:

Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Program:	BCP
Site Code:	391230
Acres:	1.8
HW Code:	C932142
SWIS:	3212
Town:	North Tonawanda (c)
Record Added Date:	12/19/2007
Record Updated Date:	07/15/2019
Update By:	SFRADON
Site Description:	Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100

REMINGTON RAND BUILDING (Continued) **S110306159**

square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.

Health Problem: Completed remedial activities have eliminated potential routes of

REMINGTON RAND BUILDING (Continued) **S110306159**

	exposure to low level 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:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

HW Code:	Not reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported

REMINGTON RAND BUILDING (Continued) **S110306159**

Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	PCB aroclor 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	Not reported
Waste Type:	BENZO(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	b9-0780-08-06
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
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Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/19/2010 10:13:00 AM
Record Updated:	10/19/2010 10:16:00 AM
Updated By:	mjhinton

AA95 **REMINGTON RAND BUILDING** **RCRA-SQG** **1012211734**
SE **184 SWEENEY STREET** **US BROWNFIELDS** **NYR000171413**
1/4-1/2 **NORTH TONAWANDA, NY 14120** **FINDS**
0.325 mi. **ECHO**
1718 ft. **Site 2 of 2 in cluster AA** **NY MANIFEST**

Relative: **Higher**
Actual: **572 ft.**

RCRA-SQG:

Date Form Received by Agency:	2010-01-25 00:00:00.0
Handler Name:	REMINGTON & RAND BUILDING
Handler Address:	184 SWEENEY ST
Handler City,State,Zip:	NORTH TONAWANDA, NY 14120
EPA ID:	NYR000171413
Contact Name:	DAVID SANFORD
Contact Address:	SWEENEY ST

REMINGTON RAND BUILDING (Continued) **1012211734**

Contact City,State,Zip:	NORTH TONAWANDA, NY 14120
Contact Telephone:	716-822-4966
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
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 R9
Mailing Address:	SWEENEY ST
Mailing City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner Name:	REMINGTON LOFTS ON THE CANAL LLC
Owner Type:	Private
Operator Name:	REMINGTON LOFTS ON THE CANAL 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

REMINGTON RAND BUILDING (Continued) **1012211734**

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:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	REMINGTON LOFTS ON THE CANAL LLC
Legal Status:	Private
Date Became Current:	2008-07-01 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:	REMINGTON LOFTS ON THE CANAL LLC
Legal Status:	Private
Date Became Current:	2008-07-01 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:	2010-01-25 00:00:00.0
Handler Name:	REMINGTON & RAND BUILDING
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

REMINGTON RAND BUILDING (Continued) **1012211734**

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:	53111
NAICS Description:	LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS
NAICS Code:	531311
NAICS Description:	RESIDENTIAL PROPERTY MANAGERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

US BROWNFIELDS:

Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.09-1-21
Parcel size:	1.8
Latitude:	43.02335
Longitude:	-78.8731
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	30704
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	2675
Assessment Funding Source:	-
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:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N

REMINGTON RAND BUILDING (Continued) **1012211734**

Cooperative Agreement Number:	99290801
Start Date:	7/1/2006
Ownership Entity:	Private
Completion Date:	9/1/2006
Current Owner:	Remington Lofts on the Canal, LLC
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
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:	9/19/2008
State/tribal program ID:	C932142
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
Lead contaminant found:	-
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:	Y
PAHs cleaned up:	-
PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
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:	1.8

REMINGTON RAND BUILDING (Continued) **1012211734**

Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	U
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 property is located adjacent to the Erie Canal. The site had a shingle and sawmill from 1886 - 1910. From 1910 to 1951, Herschell-Spillman Co. manufactured carousels. In 1951, Remington Rand Inc. owned the facilites. A railroad line runs along the eastern property portion. The majority of the property is occupied by a slab on grade concrete block 4 story building 37,570 SF and a one story 14,100 SF brick building. The remainder of the property is asphalt and gravel. The site contains a 37,570 sq. ft four story building and a 14,100 sq ft. one story building and a 14,100 sq ft. one story building. The site is adjacent to the Erie Canal and is in the middle of the City of North Tonawanda s downtown. Prior to 1990, the site was used for lumber storage and shingle manufacturing. From 1900 to the early 1920 s the site was used by Herschel-Spillman Company who manufactured carousels and other amusement rides. From 1925 to the mid 1970 s the site was used by Remington Rand for the manufacture of office equipment and other supplies. From the mid 1970 s to the present, the building complex was occupied by various commercial tenants.
Below Poverty Number:	845
Below Poverty Percent:	30.87
Meidan Income:	8314

REMINGTON RAND BUILDING (Continued) **1012211734**

Meidan Income Number:	1304
Meidan Income Percent:	47.64
Vacant Housing Number:	227
Vacant Housing Percent:	13.78
Unemployed Number:	119
Unemployed Percent:	4.35

FINDS:
Registry ID: 110038710749

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.
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:	1012211734
Registry ID:	110038710749
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110038710749
Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120

NY MANIFEST:

Name:	SEG CONSTRUCTION TONAWANDA SITE / REMINGTON BAND
Address:	184 SWEENEY ST
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYR000171413
Facility Status:	Not reported
Location Address 1:	184 SWEENEY ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000171413
Mailing Name:	SEG CONSTRUCTION TONAWANDA SITE / REMINGTON BAND
Mailing Contact:	STACEY GREEN
Mailing Address 1:	874 KLEIN ROAD
Mailing Address 2:	Not reported
Mailing City:	WILLIAMSVILLE
Mailing State:	NY

REMINGTON RAND BUILDING (Continued) **1012211734**

Mailing Zip:	14221
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7166029105

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD982792814
Trans2 State ID:	Not reported
Generator Ship Date:	06/09/2010
Trans1 Recv Date:	06/09/2010
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/10/2010
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000171413
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049836679
TSDF ID 2:	Not reported
Manifest Tracking Number:	000278817GBF
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:	1800
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	9
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	B007
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

96
WNW
1/4-1/2
0.348 mi.
1838 ft.

ARIDA-4
2 BRIDGE STREET
NORTH TONAWANDA, NY 14120

US BROWNFIELDS FINDS | **1016456541** | **N/A**

Relative:
Higher

Actual:
571 ft.

US BROWNFIELDS:

Name:	ARIDA-4
Address:	2 BRIDGE STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	County of Niagara New York
Grant Type:	Assessment
Property Number:	184.08-1-1
Parcel size:	14.5
Latitude:	43.028633
Longitude:	-78.885517
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:	161102
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	14191
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:	96277016
Start Date:	4/21/2016
Ownership Entity:	Private
Completion Date:	7/11/2017
Current Owner:	Judith Arida
Did Owner Change:	N
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:	-

ARIDA-4 (Continued) **1016456541**

Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
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:	Y
Other contams found description:	Radiological
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:	Y
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:	14.5
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:	-

ARIDA-4 (Continued) **1016456541**

Chromium contaminant found:	Y
Copper contaminant found:	Y
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	Y
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The property is located on Tonawanda Island and has frontage along the Niagara River. The property was previously part of a lumber and saw mill owned by the RT Jones Lumber Company. The site is currently vacant.
Below Poverty Number:	52
Below Poverty Percent:	29.38
Meidan Income:	428
Meidan Income Number:	111
Meidan Income Percent:	62.71
Vacant Housing Number:	28
Vacant Housing Percent:	18.6
Unemployed Number:	13
Unemployed Percent:	7.34

Name:	ARIDA-4
Address:	2 BRIDGE STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara, County of
Grant Type:	Assessment
Property Number:	184.08-1-1
Parcel size:	14.5
Latitude:	43.028633
Longitude:	-78.885517
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:	161102
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	300
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-

ARIDA-4 (Continued) **1016456541**

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:	97205811
Start Date:	2/14/2013
Ownership Entity:	Private
Completion Date:	4/23/2013
Current Owner:	Judith Arida
Did Owner Change:	N
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:	Y
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
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:	Y
Other contams found description:	Radiological
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:	Y
VOCs cleaned:	-

ARIDA-4 (Continued) **1016456541**

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:	14.5
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:	Y
Copper contaminant found:	Y
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	Y
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The property is located on Tonawanda Island and has frontage along the Niagara River. The property was previously part of a lumber and saw mill owned by the RT Jones Lumber Company. The site is currently vacant.
Below Poverty Number:	52
Below Poverty Percent:	29.38
Meidan Income:	428
Meidan Income Number:	111
Meidan Income Percent:	62.71
Vacant Housing Number:	28
Vacant Housing Percent:	18.6
Unemployed Number:	13
Unemployed Percent:	7.34

ARIDA-4 (Continued) **1016456541**

FINDS:
Registry ID: 110056393031

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.

AB97 **SMITH BOYS SITE -1** **US BROWNFIELDS** **1018125176**
NW **311 MICHIGAN STREET** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.374 mi.
1976 ft. **Site 1 of 4 in cluster AB**

Relative:
Higher

Actual:
572 ft.

US BROWNFIELDS:

Name:	SMITH BOYS SITE -1
Address:	311 MICHIGAN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara, County of
Grant Type:	Assessment
Property Number:	181.20-1-1.1
Parcel size:	25.2
Latitude:	43.031761
Longitude:	-78.886375
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	This property is one of several parcels on Tonawanda Island that were once associated with a large lumber operation that included lumber storage yards and mills. The property is bounded on two sides by the Niagara River.
Datum:	North American Datum of 1983
Acres Property ID:	161103
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	390
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:	97205811
Start Date:	2/14/2013
Ownership Entity:	Private

SMITH BOYS SITE -1 (Continued) **1018125176**

Completion Date:	10/30/2013
Current Owner:	Tonawanda Island Development Inc.
Did Owner Change:	N
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:	-
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:	25.2
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-

SMITH BOYS SITE -1 (Continued) **1018125176**

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 on Tonawanda Island with three sides of the property having waterfront access. A majority of the site is vacant industrial land that was formerly used by the International Paper Company. A small portion in the southern part of the parcel is utilized by a marina.
Below Poverty Number:	90
Below Poverty Percent:	12.03
Meidan Income:	2218
Meidan Income Number:	278
Meidan Income Percent:	37.17
Vacant Housing Number:	19
Vacant Housing Percent:	5.14
Unemployed Number:	52
Unemployed Percent:	6.95

AB98 **SMITH BOYS SITE -2** **US BROWNFIELDS** **1018125177**
NW **312 MICHIGAN STREET** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.396 mi.
2090 ft. **Site 2 of 4 in cluster AB**

Relative: **Higher**

Actual: **572 ft.**

US BROWNFIELDS:

Name:	SMITH BOYS SITE -2
Address:	312 MICHIGAN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara, County of
Grant Type:	Assessment
Property Number:	181.20-1-2
Parcel size:	0.2
Latitude:	43.032473
Longitude:	-78.88679
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	This parcel is part of a larger portion of Tonawanda Island that was formerly used as a lumber storage yard and lumber processing mill.
Datum:	North American Datum of 1983
Acres Property ID:	161104
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	389
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:	97205811
Start Date:	2/14/2013
Ownership Entity:	Government
Completion Date:	10/30/2013
Current Owner:	City of North Tonawanda
Did Owner Change:	N
Cleanup Required:	U
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:	-

SMITH BOYS SITE -2 (Continued) **1018125177**

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:	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:	0.2
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:	-

SMITH BOYS SITE -2 (Continued) **1018125177**

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 was previously used for industrial purposes by the International Paper Company. The property is currently owned by the City of North Tonawanda as part of a water line easement.
Below Poverty Number:	90
Below Poverty Percent:	12.03
Meidan Income:	2218
Meidan Income Number:	278
Meidan Income Percent:	37.17
Vacant Housing Number:	19
Vacant Housing Percent:	5.14
Unemployed Number:	52
Unemployed Percent:	6.95

AB99 **SMITH BOYS INC** **NY LTANKS** **S100250620**
NW **NIAGARA STREET** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY**
0.407 mi.
2150 ft. **Site 3 of 4 in cluster AB**

Relative:
Higher

Actual:
572 ft.

LTANKS:

Name:	SMITH BOYS INC
Address:	NIAGARA STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8804171 / 1988-09-09
Facility ID:	8804171
Site ID:	111083
Spill Date:	1988-08-11
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	1988-09-09
SWIS:	3212
Investigator:	MJHINTON
Referred To:	Not reported
Reported to Dept:	1988-08-11
CID:	Not reported
Water Affected:	NIAGARA RIVER
Spill Notifier:	Citizen
Last Inspection:	Not reported
Recommended Penalty:	False

SMITH BOYS INC (Continued) **S100250620**

Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1988-08-18
Spill Record Last Update:	1988-10-24
Spiller Name:	Not reported
Spiller Company:	SMITH BOYS INC
Spiller Address:	278 RIVER RD
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	97174
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJH 08/18/88: GASOLINE AND WATER REPORTEDLY WAS DUMPED INTO WATER JIM GROBE TO INVESTIGATE, NO ACTION UNTIL GROBE COMPLETES INVESTIGATION. 09/27/88: TANK TESTING RESULTS SUBMITTED NO FURTHER ACTION NEEDED. "
Remarks:	"SMITH BOYS GASOLINE ALLEGEDLY HAS WATER IN IT"

All Materials:

Site ID:	111083
Operable Unit ID:	921346
Operable Unit:	01
Material ID:	456126
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

AB100 **ARIDA SITE-2** **US BROWNFIELDS** **1016358899**
NW **231 MICHIGAN AVENUE** **FINDS** **N/A**
1/4-1/2 **NORTH TONAWANDA, NY 14120**
0.412 mi.
2177 ft. **Site 4 of 4 in cluster AB**

Relative:
Higher

Actual:
572 ft.

US BROWNFIELDS:

Name:	ARIDA SITE-2
Address:	231 MICHIGAN AVENUE
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	County of Niagara New York
Grant Type:	Assessment
Property Number:	184.08-1-2
Parcel size:	3
Latitude:	43.029459
Longitude:	-78.885354
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Center of a Facility or Station
Highlights:	The site is currently used for a contractor's storage and office and is home to Custom Gear and Machining. The property is located on Tonawanda Island.
Datum:	North American Datum of 1983

ARIDA SITE-2 (Continued) **1016358899**

Acres Property ID:	131163
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	14192
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:	96277016
Start Date:	4/21/2016
Ownership Entity:	Private
Completion Date:	7/11/2017
Current Owner:	Judith Arida
Did Owner Change:	N
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:	Y
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
Lead contaminant found:	-
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:	-

ARIDA SITE-2 (Continued) **1016358899**

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:	Y
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:	3
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
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:	Y
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:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	Y
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The property was formerly occupied by R.T. Jones Lumber Company who operated a sawmill and planning mill at the site from 1910 until the

ARIDA SITE-2 (Continued) **1016358899**

	1990's. The site has been underutilized since the mid-1990s and is currently vacant.
Below Poverty Number:	86
Below Poverty Percent:	14.9
Meidan Income:	1952
Meidan Income Number:	254
Meidan Income Percent:	44.02
Vacant Housing Number:	20
Vacant Housing Percent:	6.27
Unemployed Number:	36
Unemployed Percent:	6.24
Name:	ARIDA SITE-2
Address:	231 MICHIGAN AVENUE
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	184.08-1-2
Parcel size:	3
Latitude:	43.029459
Longitude:	-78.885354
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Center of a Facility or Station
Highlights:	The site is currently used for a contractor's storage and office and is home to Custom Gear and Machining. The property is located on Tonawanda Island.
Datum:	North American Datum of 1983
Acres Property ID:	131163
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1000
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:	N
Cooperative Agreement Number:	99290801
Start Date:	3/22/2010
Ownership Entity:	Private
Completion Date:	8/30/2010
Current Owner:	Judith Arida
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U

ARIDA SITE-2 (Continued) **1016358899**

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:	Y
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
Lead contaminant found:	-
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:	Y
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:	3
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-

ARIDA SITE-2 (Continued) **1016358899**

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:	Y
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:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	Y
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The property was formerly occupied by R.T. Jones Lumber Company who operated a sawmill and planning mill at the site from 1910 until the 1990's. The site has been underutilized since the mid-1990s and is currently vacant.
Below Poverty Number:	86
Below Poverty Percent:	14.9
Meidan Income:	1952
Meidan Income Number:	254
Meidan Income Percent:	44.02
Vacant Housing Number:	20
Vacant Housing Percent:	6.27
Unemployed Number:	36
Unemployed Percent:	6.24
Name:	ARIDA SITE-2
Address:	231 MICHIGAN AVENUE
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara, County of
Grant Type:	Assessment
Property Number:	184.08-1-2
Parcel size:	3
Latitude:	43.029459
Longitude:	-78.885354
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Center of a Facility or Station
Highlights:	The site is currently used for a contractor's storage and office and is home to Custom Gear and Machining. The property is located on Tonawanda Island.
Datum:	North American Datum of 1983
Acres Property ID:	131163

ARIDA SITE-2 (Continued) **1016358899**

IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	300
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:	97205811
Start Date:	2/14/2013
Ownership Entity:	Private
Completion Date:	4/23/2013
Current Owner:	Judith Arida
Did Owner Change:	N
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:	Y
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
Lead contaminant found:	-
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:	-

ARIDA SITE-2 (Continued) **1016358899**

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:	Y
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:	3
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
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:	Y
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:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	Y
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The property was formerly occupied by R.T. Jones Lumber Company who operated a sawmill and planning mill at the site from 1910 until the 1990's. The site has been underutilized since the mid-1990s and is

ARIDA SITE-2 (Continued) **1016358899**

currently vacant.
Below Poverty Number: 86
Below Poverty Percent: 14.9
Meidan Income: 1952
Meidan Income Number: 254
Meidan Income Percent: 44.02
Vacant Housing Number: 20
Vacant Housing Percent: 6.27
Unemployed Number: 36
Unemployed Percent: 6.24

FINDS:
Registry ID: 110043637883

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.

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101 SSE 1/4-1/2 0.438 mi. 2310 ft. **L. E. OTT DELIVERY, INC** **NY LTANKS** **S100118452**
29 FILLMORE **N/A**
TONAWANDA, NY

Relative: Lower
Actual: 570 ft.

LTANKS:
Name: L. E. OTT DELIVERY, INC
Address: 29 FILLMORE
City,State,Zip: TONAWANDA, NY
Spill Number/Closed Date: 8601245 / 1986-09-11
Facility ID: 8601245
Site ID: 233698
Spill Date: 1986-05-21
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: Not reported
Cleanup Ceased: 1986-09-11
SWIS: 1564
Investigator: LEARY
Referred To: Not reported
Reported to Dept: 1986-05-21
CID: Not reported
Water Affected: Not reported
Spill Notifier: Fire Department
Last Inspection: 1986-06-23
Recommended Penalty: False
Meets Standard: True
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 1986-06-03
Spill Record Last Update: 1986-10-21
Spiller Name: Not reported
Spiller Company: L. E. OTT DELIVERY
Spiller Address: 61 FILLMORE

L. E. OTT DELIVERY, INC (Continued) **S100118452**

Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	192552
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RNL / / : TRYING TO TRACE LEAK. / / : SITE INSPECTION 06/23/86, CLEANUP UNDERWAY, SATISFACTORY; LETTER RECEIVED 09/11/86, CLEANUP COMPLETE, CLEANED UP BY SPILLER. / / : SITE INSPECTION 05/21/86, SUSPECTED SPILLER L. E. OTTAND BUFFALO TRIANGLE, BASEMENTS OF HOMES VENTED. / / : SITE INSPECTION 04/14/86, SUSPECTED SPILLER L. E. OTTAND BUFFALO TRIANGLE, BASEMENTS OF HOMES VENTED. / / : TELECON 06/05/86, TANKS TESTED AND GASOLINE TANK FAILED, GASOLINE TANK EMPTIED; SITE INSPECTION 06/23/86, CLEANUP UNDERWAY, SATISFACTORY. / / : SITE INSPECTION 05/22/86, MET WITH MR. OTT, HE AGREEDTO TEST HIS TWO TANKS, ALSO INSPECTED BUFFALO TRIANGLE, NO APPARANT SOURCE OF OIL. / / : LETTER 05/23/86, TANKS TESTED BY 06/04/86 - OK. / / : TELECON 06/05/86, TANKS TESTED AND GASOLINE TANK; FAILED, GASOLINE TANK EMPTIED. "
Remarks:	"GASOLINE FUMES IN SEWERS"

All Materials:

Site ID:	233698
Operable Unit ID:	897506
Operable Unit:	01
Material ID:	477786
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25.00
Units:	G
Recovered:	15.00
Oxygenate:	Not reported

AC102 **NFG - GASTOWN MGP TONAWANDA** **NY SHWS** **S105586501**
SE **126 EAST NIAGARA STREET** **NY MANIFEST** **N/A**
1/4-1/2 **TONAWANDA, NY 14150**
0.459 mi.
2421 ft. **Site 1 of 2 in cluster AC**

Relative: **Higher**
Actual: **574 ft.**

SHWS:

Name:	NFG - GASTOWN MGP TONAWANDA
Address:	126 EAST NIAGARA STREET
City,State,Zip:	TONAWANDA, NY 14150
Program:	HW
Site Code:	56644
Classification:	4
Region:	9
Acres:	1.4930000000000001
HW Code:	915171
Record Add:	11/18/1999
Record Upd:	11/21/2019
Updated By:	SFRADON
Site Description:	Location: The Former Gastown MGP Site is located in a small industrial area surrounded by residential neighborhoods in the city

NFG - GASTOWN MGP TONAWANDA (Continued) **S105586501**

of Tonawanda, Erie County. Site Features: The site is nearly flat, and is occupied by a complex of commercial buildings. It is bounded to the west and south by a railroad embankment, to the north by the Tonawanda Creek (a part of the NYS Barge Canal system) and to the east by The Gastown Sportsmen's Club. Residential properties are found a few hundred feet to the east and west. Current Zoning/Use(s): The site is zoned for commercial and industrial use. The buildings on the site are used by a number of small businesses. Past Use of the Site: A manufactured gas plant (MGP) was operated at this site starting in 1884. Initially, gas was manufactured using the coal carbonization process. The plant produced gas using both coal carbonization and water gas processes until 1921. Both processes produced an oily byproduct, commonly known as coal tar, which accumulated in the subgrade basement of a circular gas storage vessel known as a relief gas holder. This foundation and a nearby tar tank were the principal sources of coal tar contamination found throughout the site. Site Geology and Hydrogeology: The ground surface at the site is man-made fill, including soils and rock debris ranging in thickness from a few inches to 22 feet. Native alluvial soils underlie the fill, consisting of interbedded of sand and silt, with at least one seam of coarser sand and gravel. A largely impermeable red clay unit lies beneath the alluvial unit, and forms a barrier to downward movement of both groundwater and liquid contaminants. The water table is typically 6 feet below the ground surface. Groundwater flow is complex. Flow is primarily to the north, towards Tonawanda Creek, but there are also components of flow to the east and west.

Env Problem: Nature and Extent of Contamination: Remediation of the site is complete. Prior to remediation, the primary contaminant of concern at this site was coal tar, a condensate from the gas manufacturing process. Coal tar contains BTEX compounds (benzene, toluene, ethylbenzene, and xylene) and PAHs (polycyclic aromatic hydrocarbons). Investigations had shown coal tar and contaminated groundwater present at the site extending to the north, east, and west. Coal tar had also been observed in the sediment in the Tonawanda Creek, where contamination exceeds applicable sediment standards. No site-related contamination was observed in surface water at levels above applicable standards. National Fuel Gas signed a consent order in July 2008 to implement a remedial program at the site. Remediation of the site was accomplished in 2015 and 2016. The site is now being monitored pursuant to the Site Management Plan.

Health Problem: Measures are in place to prevent contact with residual site contamination. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. 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. Sub-slab depressurization systems (systems that ventilate/remove air from beneath the building) are in place to address the potential for inhalation of site contaminants in indoor air in off-site buildings.

Dump: False
Structure: True
Lagoon: False
Landfill: False
Pond: False

NFG - GASTOWN MGP TONAWANDA (Continued) **S105586501**

Disp Start:	1921
Disp Term:	1964
Lat/Long:	43:01:30:0 / 78:52:32:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	10/1/2012 11:53:00 AM
Updated By:	ldennist
Own Op:	3
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	REPUBLIC LIGHT, HEAT&POWER CO; NFG C
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	4
Sub Type:	E
Owner Name:	Not reported
Owner Company:	Republic Light, Heat & Power/NFG Corp.
Owner Address:	10 Lafayette Square
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
Own Op:	1
Sub Type:	NNN
Owner Name:	Guy Holler
Owner Company:	Holler Properties Inc
Owner Address:	126 E Niagara Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Tonawanda, NY 14150
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	Not reported
Owner Name:	Glenn Luba
Owner Company:	Tonawanda Public Library
Owner Address:	333 Main Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Tonawanda, NY 14150
Owner Country:	United States of America
Own Op:	4
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Republic Light, Heat & Power/NFG Corp.
Owner Address:	10 Lafayette Square
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
Own Op:	6
Sub Type:	Not reported
Owner Name:	Tanya B. Alexander
Owner Company:	National Fuel Gas Distribution Corporation
Owner Address:	6363 Main Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Willliamsville, NY
Owner Country:	United States of America
HW Code:	915171
Waste Type:	COAL TAR

NFG - GASTOWN MGP TONAWANDA (Continued) **S105586501**

Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915171
Waste Type:	BENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915171
Waste Type:	ETHYLBENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915171
Waste Type:	XYLENE (MIXED)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915171
Waste Type:	TOLUENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	NYP003602299
Cross Ref Type Code:	6
Cross Ref Type:	RCRA EPA ID No.
Record Added Date:	5/19/2015 1:40:00 PM
Record Updated:	5/19/2015 1:40:00 PM
Updated By:	gmmay
Crossref ID:	9-601460
Cross Ref Type Code:	18
Cross Ref Type:	PBS No.
Record Added Date:	3/14/2016 11:30:00 AM
Record Updated:	3/14/2016 11:30:00 AM
Updated By:	JAAVERSA
Crossref ID:	A9-0599-05-08
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	12/29/2016 11:27:00 AM
Record Updated:	12/29/2016 11:27:00 AM
Updated By:	RHDANA
Crossref ID:	A905990508
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	12/29/2016 11:28:00 AM
Record Updated:	12/29/2016 11:28:00 AM
Updated By:	RHDANA
Crossref ID:	Not reported
Cross Ref Type Code:	26
Cross Ref Type:	Agreement/Consent Order Date
Record Added Date:	12/29/2016 11:30:00 AM
Record Updated:	12/29/2016 11:30:00 AM
Updated By:	RHDANA
Crossref ID:	TT2015024750
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/5/2016 3:40:00 PM
Record Updated:	10/5/2016 3:40:00 PM
Updated By:	RHDANA

NY MANIFEST:
Name: NYSDEC REGION 9

NFG - GASTOWN MGP TONAWANDA (Continued) **S105586501**

Address:	NIAGARA ST
City,State,Zip:	TONAWANDA, NY 12233-7250
Country:	USA
EPA ID:	NYP003602299
Facility Status:	Not reported
Location Address 1:	126 EAST NIAGARA STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	TONAWANDA
Location State:	NY
Location Zip:	14150
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP003602299
Mailing Name:	NYSDEC REGION 9
Mailing Contact:	L SCOTT
Mailing Address 1:	270 MICHIGAN AVE
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14203
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7168517220

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD986903904
Trans2 State ID:	Not reported
Generator Ship Date:	12/11/2013
Trans1 Recv Date:	12/11/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/20/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP003602299
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049836679
TSDF ID 2:	Not reported
Manifest Tracking Number:	006690394FLE
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

NFG - GASTOWN MGP TONAWANDA (Continued) **S105586501**

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:	400
Units:	P - Pounds
Number of Containers:	2
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D018
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

AC103 **FORMER GASTOWN M.G.P. SITE** **EDR MGP** **1008408050**
SE **126 EAST NIAGARA STREET** **N/A**
1/4-1/2 **TONAWANDA, NY 14150**
0.459 mi.
2421 ft. **Site 2 of 2 in cluster AC**

Relative:
Higher

Actual:
574 ft.

Manufactured Gas Plants:
No additional information available

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104 **ENVIROTEK** **SEMS-ARCHIVE** **1000261741**
SE **153 FILLMORE AVE** **RCRA NonGen / NLR** **NYD021744537**
1/2-1 **TONAWANDA, NY 14150** **ICIS**
0.682 mi. **CONSENT**
3599 ft. **FINDS**
ECHO

Relative:
Higher

Actual:
573 ft.

SEMS Archive:

Site ID:	0202878
EPA ID:	NYD021744537
Name:	ENVIROTEK
Address:	153 FILLMORE AVE
Address 2:	Not reported
City,State,Zip:	TONAWANDA, NY 14150
Cong District:	29
FIPS Code:	36029
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

SEMS Archive Detail:

Region:	02
Site ID:	0202878
EPA ID:	NYD021744537
Site Name:	ENVIROTEK
NPL:	N

ENVIROTEK (Continued) **1000261741**

FF:	N
OU:	00
Action Code:	VU
Action Name:	UNARCHIVE
SEQ:	1
Start Date:	Not reported
Finish Date:	2005-05-31 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	02
Site ID:	0202878
EPA ID:	NYD021744537
Site Name:	ENVIROTEK
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2005-05-11 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	02
Site ID:	0202878
EPA ID:	NYD021744537
Site Name:	ENVIROTEK
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	2
Start Date:	Not reported
Finish Date:	2005-05-31 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	02
Site ID:	0202878
EPA ID:	NYD021744537
Site Name:	ENVIROTEK
NPL:	N
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1
Start Date:	1989-05-18 04:00:00
Finish Date:	1990-09-18 04:00:00
Qual:	C
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202878

ENVIROTEK (Continued) **1000261741**

EPA ID:	NYD021744537
Site Name:	ENVIROTEK
NPL:	N
FF:	N
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1988-11-30 05:00:00
Finish Date:	2005-03-17 05:00:00
Qual:	V
Current Action Lead:	EPA Perf

RCRA NonGen / NLR:

Date Form Received by Agency:		2007-01-01 00:00:00.0
Handler Name:	TONAWANDA CITY HALL	
Handler Address:		153 FILLMORE AVE
Handler City,State,Zip:		TONAWANDA, NY 14150
EPA ID:		NYD021744537
Contact Name:		JASON ZDROJEWSKI
Contact Address:		NIAGARA ST
Contact City,State,Zip:		TONAWANDA, NY 14150
Contact Telephone:		716-695-8624
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 R9
Mailing Address:		NIAGARA ST
Mailing City,State,Zip:		TONAWANDA, NY 14150
Owner Name:		TONAWANDA CITY HALL
Owner Type:		Municipal
Operator Name:		KROLAB PRODUCTS CORPORATION
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

ENVIROTEK (Continued) **1000261741**

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:	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

Biennial: List of Years
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Waste Code: D018
Waste Description: BENZENE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE,

ENVIROTEK (Continued) **1000261741**

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 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: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Waste Code: U226
Waste Description: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Waste Code: U228
Waste Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Waste Code: U239
Waste Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: TONAWANDA CITY HALL

ENVIROTEK (Continued) **1000261741**

Legal Status:	Municipal
Date Became Current:	2001-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	153 FILLMORE AVE
Owner/Operator City,State,Zip:	TONAWANDA, NY 14150
Owner/Operator Telephone:	716-695-8624
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	TONAWANDA CITY HALL
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	153 FILLMORE AVE
Owner/Operator City,State,Zip:	TONAWANDA, NY 14150
Owner/Operator Telephone:	716-695-8624
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	KROLAB PRODUCTS CORPORATION
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	153 FILLMORE AVENUE
Owner/Operator City,State,Zip:	OPERCITY, NY 99999
Owner/Operator Telephone:	716-694-2062
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	KROLAB PRODUCTS CORPORATION
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	153 FILLMORE AVENUE
Owner/Operator City,State,Zip:	OPERCITY, NY 99999
Owner/Operator Telephone:	716-694-2062
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1981-02-23 00:00:00.0
Handler Name: TONAWANDA CITY HALL	
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

ENVIROTEK (Continued) **1000261741**

Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	1981-02-23 00:00:00.0
Handler Name: TONAWANDA CITY HALL	
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:	2006-01-01 00:00:00.0
Handler Name: TONAWANDA CITY HALL	
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: TONAWANDA CITY HALL	
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:	1980-11-18 00:00:00.0
Handler Name: TONAWANDA CITY HALL	
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:	2002-09-06 00:00:00.0
Handler Name: TONAWANDA CITY HALL	

ENVIROTEK (Continued) **1000261741**

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:	2002-01-23 00:00:00.0
Handler Name: CITY OF TONAWANDA	
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:	32411
NAICS Description:	PETROLEUM REFINERIES
NAICS Code:	32551
NAICS Description:	PAINT AND COATING MANUFACTURING
NAICS Code:	32552
NAICS Description:	ADHESIVE MANUFACTURING
NAICS Code:	92119
NAICS Description:	OTHER GENERAL GOVERNMENT SUPPORT

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

ENVIROTEK (Continued) **1000261741**

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
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

ENVIROTEK (Continued) **1000261741**

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

ENVIROTEK (Continued) **1000261741**

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

ENVIROTEK (Continued) **1000261741**

Evaluation Action Summary:

Evaluation Date:	1986-03-12 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2PI
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:	2004-08-30 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYNSL
Evaluation Responsible Sub-Organization:	R9
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:	1986-09-17 00:00:00.0
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R2PI
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:	1985-12-16 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NON-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:	1984-06-26 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW

ENVIROTEK (Continued) **1000261741**

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

ICIS:

Enforcement Action ID:	02-1993-0149
FRS ID:	110004351521
Action Name:	BISON BAG
Facility Name:	ENVIROTEK LTD
Facility Address:	153 FILLMORE AVE TONAWANDA, NY 14150
Enforcement Action Type:	Civil Judicial Action
Facility County:	ERIE
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Judicial
EA Type Code:	CIV
Facility SIC Code:	2851
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	43.018618
Longitude in Decimal Degrees:	-78.87103
Permit Type Desc:	Not reported
Program System Acronym:	7235
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Facility Name:	ENVIROTEK
Address:	153 FILLMORE AVE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	2851

Facility Name:	ENVIROTEK
Address:	153 FILLMORE AVE
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported

ENVIROTEK (Continued) **1000261741**

SIC Code: 2891

Facility Name: ENVIROTEK
Address: 153 FILLMORE AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2911

Facility Name: ENVIROTEK
Address: 153 FILLMORE AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2851

Facility Name: ENVIROTEK
Address: 153 FILLMORE AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2891

Facility Name: ENVIROTEK
Address: 153 FILLMORE AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2911

Facility Name: ENVIROTEK
Address: 153 FILLMORE AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2851

Facility Name: ENVIROTEK
Address: 153 FILLMORE AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2891

Facility Name: ENVIROTEK
Address: 153 FILLMORE AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 2911

CONSENT:
EPA ID: NYD021744537
Site ID: Not reported
Case Title: U.S. V. ADFLEX, ET AL.
Court Num: 95-0012
District: New York, West

ENVIROTEK (Continued) **1000261741**

Entered Date: 19950620
Name: Not reported
Name: ENVIROTEK
Address: 153 FILLMORE AVE
City,State,Zip: TONAWANDA, NY 14150
County: Not reported

FINDS:
Registry ID: 110004351521

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.
HAZARDOUS WASTE BIENNIAL REPORTER
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.
Registry ID: 110009470580

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.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000261741
Registry ID: 110009470580
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110009470580
Name: KROLL ASSOCIATES
Address: 153 FILLMORE AVE
City,State,Zip: TONAWANDA, NY 14150

Envid: 1000261741

ENVIROTEK (Continued) **1000261741**

Registry ID: 110004351521
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004351521
Name: TONAWANDA CITY HALL
Address: 153 FILLMORE AVE
City,State,Zip: TONAWANDA, NY 14150

105
SSE
1/2-1
0.779 mi.
4115 ft.

COLUMBUS MCKINNON CORP **NY SHWS** **U003316524**
1 FREMONT ST **NY LTANKS** **N/A**
TONAWANDA, NY 14150 **NY UST**
NY Spills

Relative:
Lower

Actual:
570 ft.

SHWS:
Name: COLUMBUS MCKINNON
Address: ONE FREMONT STREET
City,State,Zip: TONAWANDA, NY 14150
Program: HW
Site Code: 56551
Classification: Not reported
Region: 9
Acres: 0.41999999999999998
HW Code: 915016
Record Add: 11/18/1999
Record Upd: 09/30/2011
Updated By: GPSUTTON
Site Description: Location: The Columbus McKinnon Site is located in a mix light manufacturing, commerical and residential area in the City of Tonawanda, Erie County. The 0.42 acre site is located at the rear of the Fremont Street facility directly on the banks of Ellicott Creek. Site Features: The site consist of a long, thin strip of grassy land located between the rear parking area and the creek. There are no structures located on the site. Current Zoning: The site is zoned for industrial use. Histroical Use:The primary contaminants on the site were PCBs and metal contaminated soils. The site consisted of an open pit of approximately 0.75 acres that was utilized to dispose of waste oils produced in the plant. The disposal area was located between the plant building and Ellicott Creek. During the period of 1979-83, Columbus McKinnon Corp. conducted an investigation at this site which confirmed the presence of elevated levels of PCBs in soils and in sediments from the adjacent Ellicott Creek. Elevated levels of organics were also detected in the site groundwater. The soil was found to have elevated levels of heavy metals in addition to PCBs. A Consent Order requiring a Remedial Investigation/ Feasibility Study (RI/FS) and an Interim Remedial Measure (IRM) was signed in October 1989. The IRM required the installation of a 165 foot long shore protection system along the creek bank to prevent erosion of contaminated soil into the creek. This IRM was completed in November 1990. The RI/FS was begun in the summer of 1990 and was completed, with the approval of the Feasibility Study Report,in May 1992. A Record of Decision (ROD) was signed in October 1992. The ROD required the removal of all contaminated soil at or above 10 ppm PCB and at 1 ppm PCB for the top one foot depth from grade. The ROD also required the removal of all contaminated sediment from the bed and slope of Ellicott Creek. A Consent Order for the design and implementation of the remedial measure was signed in October 1993. The field work started in August 1994 and was completed in 1995. There is no further remedial work required at this site.
Env Problem: The site has been remediated. There are no environmental problems

COLUMBUS MCKINNON CORP (Continued) **U003316524**

	remaining on site.
Health Problem:	The clean-up of the site included the installation of sheet piling at the top of Ellicott Creek, removal of all PCB contaminated soil (surface soil containing greater than 1 ppm PCB was removed to a minimum depth of one foot and all other soil was cleaned up to a level of 10 ppm), the replacement of surface soils (1 foot) with clean topsoil and the removal of contaminated creek sediments. This action adequately addresses the potential exposure pathways of direct contact and inhalation. This remedial program is protective of public health provided the site is not disturbed.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1930
Disp Term:	1965
Lat/Long:	43:00:59:0 / 78:52:12:0
Dell:	False
Record Add:	11/18/1999 12:00:00 PM
Record Upd:	11/18/1999 12:00:00 PM
Updated By:	INITIAL
Own Op:	1
Sub Type:	E
Owner Name:	Not reported
Owner Company:	COLUMBUS MCKINNON CORP
Owner Address:	1 FREEMONT STREET
Owner Addr2:	Not reported
Owner City,St,Zip:	TONAWANDA, NY 14150
Owner Country:	United States of America
Own Op:	3
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	COLUMBUS MCKINNON CORP.
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	4
Sub Type:	E
Owner Name:	Not reported
Owner Company:	COLUMBUS MCKINNON CORP
Owner Address:	1 FREEMONT STREET
Owner Addr2:	Not reported
Owner City,St,Zip:	TONAWANDA, NY 14150
Owner Country:	United States of America
Own Op:	1
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	COLUMBUS MCKINNON CORP
Owner Address:	1 FREEMONT STREET
Owner Addr2:	Not reported
Owner City,St,Zip:	TONAWANDA, NY 14150
Owner Country:	United States of America
HW Code:	915016
Waste Type:	WATER SOLUBLE CUTTING OILS CONTAMINATED
Waste Quantity:	270,000 GALLONS

COLUMBUS MCKINNON CORP (Continued) **U003316524**

Waste Code: Not reported
HW Code: 915016
Waste Type: WITH PCBS AND SOLVENTS
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD002105534
Cross Ref Type Code: 5
Cross Ref Type: EPA Site ID
Record Added Date: 11/18/1999 12:00:00 PM
Record Updated: 5/10/2001 4:31:00 PM
Updated By: REGTRANS

LTANKS:
Name: COLUMBUS MCKINNON CORP.
Address: ONE FREMONT STREET
City,State,Zip: TONAWANDA, NY
Spill Number/Closed Date: 9307667 / 1993-09-29
Facility ID: 9307667
Site ID: 235740
Spill Date: 1993-09-01
Spill Cause: Tank Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: C4
Cleanup Ceased: 1993-09-29
SWIS: 1564
Investigator: SORGI
Referred To: Not reported
Reported to Dept: 1993-09-22
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1993-09-23
Spill Record Last Update: 1993-10-15
Spiller Name: Not reported
Spiller Company: COLUMBUS MCKINNON CORP.
Spiller Address: ONE FREMONT STREET
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 9
DER Facility ID: 194180
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was
MJS 09/24/93: MJS REVIEW ANALYTICAL RESULTS AND SOME ANALYTES EXCEED GUIDANCE VALUES. FILE CAN BE GIVEN INACTIVE STATUS. LETTER TO RP. "
Remarks: "CONTAMINATED SOIL DISCOVERED DURING TANK REMOVAL."

All Materials:
Site ID: 235740
Operable Unit ID: 988741
Operable Unit: 01
Material ID: 393921

COLUMBUS MCKINNON CORP (Continued) **U003316524**

Material Code: 0003A
Material Name: #6 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

UST:
Name: COLUMBUS MCKINNON CORP
Address: 1 FREMONT ST
City,State,Zip: TONAWANDA, NY 14150
Id/Status: 9-029122 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 9
Expiration Date: N/A
UTM X: 184626.28591
UTM Y: 4770071.08180
Site Type: Manufacturing (Other than Chemical)/Processing

Affiliation Records:
Site Id: 52189
Affiliation Type: Facility Owner
Company Name: COLUMBUS MCKINNON CORP
Contact Type: Not reported
Contact Name: Not reported
Address1: 140 JOHN JAMES AUDUBON PARKWAY
Address2: Not reported
City: AMHERST
State: NY
Zip Code: 14228
Country Code: 001
Phone: (716) 689-5400
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 52189
Affiliation Type: Mail Contact
Company Name: COLUMBUS MCKINNON CORP
Contact Type: Not reported
Contact Name: LAWRENCE M SMITH
Address1: 1 FREMONT ST
Address2: Not reported
City: TONAWANDA
State: NY
Zip Code: 14150
Country Code: 001
Phone: (716) 696-3200
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

COLUMBUS MCKINNON CORP (Continued) **U003316524**

Site Id:	52189
Affiliation Type:	Facility Operator
Company Name:	COLUMBUS MCKINNON CORP
Contact Type:	Not reported
Contact Name:	COLUMBUS MCKINNON CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 696-3200
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	52189
Affiliation Type:	Emergency Contact
Company Name:	COLUMBUS MCKINNON CORP
Contact Type:	Not reported
Contact Name:	LAWRENCE M SMITH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 692-7429
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	1
Tank ID:	160967
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	20000
Install Date:	10/01/1965
Date Tank Closed:	08/01/1993
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

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:

COLUMBUS MCKINNON CORP (Continued) **U003316524**

H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I04 - Overfill - Product Level Gauge (A/G)
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

SPILLS:

Name:	COLUMBUS MCKINNON
Address:	1 FREEMONT STREET
City,State,Zip:	TONAWANDA, NY
Spill Number/Closed Date:	9001293 / 1990-05-18
Facility ID:	9001293
Facility Type:	ER
DER Facility ID:	158129
Site ID:	189430
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	1564
Spill Date:	1990-02-02
Investigator:	MJHINTON
Referred To:	Not reported
Reported to Dept:	1990-05-03
CID:	Not reported
Water Affected:	TONAWANDA CREEK
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1990-05-18
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1990-05-18
Spill Record Last Update:	1990-06-08
Spiller Name:	Not reported
Spiller Company:	COLUMBUS MCKINNON CORP
Spiller Address:	1 FREEMONT STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJH 05/18/90: AREA ENGINEER W/ TOM WANTUK WILL FOLLOWUP ON THIS PROBLEM AS A SPDES PROBLEM NO FURTHER ACTION BY SPILL UNIT. "
Remarks:	"SHEEN DISCHARGE TO CREEK FOUND BY JIM TUK S&HW"

All Materials:

Site ID:	189430
Operable Unit ID:	939608
Operable Unit:	01
Material ID:	439642
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported

COLUMBUS MCKINNON CORP (Continued) **U003316524**

Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	COLUMBUS MCKINNON CORP
Address:	1 FREEMONT STREET
City,State,Zip:	TONAWANDA, NY
Spill Number/Closed Date:	9101998 / 1991-05-20
Facility ID:	9101998
Facility Type:	ER
DER Facility ID:	158129
Site ID:	189431
DEC Region:	9
Spill Cause:	Housekeeping
Spill Class:	Not reported
SWIS:	1564
Spill Date:	1991-05-20
Investigator:	SORGI
Referred To:	Not reported
Reported to Dept:	1991-05-20
CID:	Not reported
Water Affected:	ELLICOTT CREEK
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1991-05-20
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1991-05-20
Spill Record Last Update:	1991-05-28
Spiller Name:	Not reported
Spiller Company:	COLUMBUS MCKINNON CORP
Spiller Address:	1 FREEMONT STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJS 05/20/91: MJS CONTACTED LARRY SMITH. HE HAS ALREADY CONTACTED TOM WANTUK. MJS SPOKE WITH TOM WANTUK. HE SAIS HE WILL HANDLE SITUATION. NO FURTHER INVESTIGATION BY SPILL UNIT. 09/29/95: This is additional information about material spilled from the translation of the old spill file: GRAYISH SUBSTANCE."
Remarks:	"SNAKING OUT ROOF DRAIN - GETTING GRAY COLOR IN CREEK."

All Materials:

Site ID:	189431
Operable Unit ID:	955574
Operable Unit:	01
Material ID:	424531
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00

COLUMBUS MCKINNON CORP (Continued) **U003316524**

Units: Not reported
Recovered: .00
Oxygenate: Not reported

Count: 10 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GRAND ISLAND	S113916656	GRAND ISLAND NIKE BASE	BTW WHITEHAVEN RD. AND STALEY	14072	NY SHWS
NORTH TONAWANDA	S100117242	OLD TONAWANDA IRON WORKS	RIVER ROAD		NY LTANKS
NORTH TONAWANDA	1015731648	GRATWICK RIVERSIDE PARK	RIVER ROAD	14120	SEMS
NORTH TONAWANDA	S118950590	GRATWICK - RIVERSIDE PARK	RIVER ROAD	14120	NY SHWS
NORTH TONAWANDA	S126023131	HOLIDAY PARK	WALCK ROAD (PROPERTY BOUNDED B		NY SWF/LF
NORTH TONAWANDA	S105586506	DUREZ DIV. - OCCIDENTAL CHEMICAL C	WALCK ROAD/RIVER ROAD	14120	NY SHWS
TONAWANDA	1003863954	VETERANS PARK	NIAGARA ST	14150	SEMS-ARCHIVE
TONAWANDA	S113916918	EXOLON CORPORATION	EAST NIAGARA STREET	14151	NY SHWS
TONAWANDA	S113917112	SHANCO PLASTICS AND CHEMICALS	WALES AVENUE AND KENMORE AVENU	14150	NY SHWS
TONAWANDA	S106905198	TONAWANDA CITY LANDFILL	WALES AVENUE	14150	NY SHWS, NY INST CONTROL

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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/11/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/11/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/11/2021
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: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/25/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/25/2021
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: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 87

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
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: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
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: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
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: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
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: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
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: 08/06/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/11/2020
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 02/22/2021
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: 11/05/2020
Next Scheduled EDR Contact: 03/08/2021
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: 11/05/2020
Next Scheduled EDR Contact: 03/08/2021
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: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 87

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
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: 08/10/2020
Date Data Arrived at EDR: 08/11/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 02/22/2021
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: 07/01/2020
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/22/2020
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/10/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 04/29/2020
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 1
Telephone: 617-918-1313
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
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 10
Telephone: 206-553-2857
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 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: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/15/2020
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 7
Telephone: 913-551-7003
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
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 5
Telephone: 312-886-7439
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
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 8
Telephone: 303-312-6271
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 08/10/2020
Date Data Arrived at EDR: 08/11/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 86

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 02/22/2021
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: 07/21/2020
Date Data Arrived at EDR: 09/03/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 83

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
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: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/09/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/04/2021
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

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: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/09/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/09/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/09/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/04/2021
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: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
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 5
Telephone: 312-886-6136
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
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 10
Telephone: 206-553-2857
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/03/2020
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 7
Telephone: 913-551-7003
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 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 9
Telephone: 415-972-3368
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/29/2020
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 1
Telephone: 617-918-1313
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/23/2020
Next Scheduled EDR Contact: 02/01/2021
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: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/09/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/04/2021
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: 04/22/2020
Date Data Arrived at EDR: 06/18/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 78

Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
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: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 77

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/11/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/11/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 02/22/2021
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: 09/16/2020
Next Scheduled EDR Contact: 01/04/2021
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 NYC: Voluntary Cleanup Program Listing NYC

New York City voluntary cleanup program sites.

Date of Government Version: 07/24/2020
Date Data Arrived at EDR: 07/24/2020
Date Made Active in Reports: 10/12/2020
Number of Days to Update: 80

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 09/11/2020
Next Scheduled EDR Contact: 12/28/2020
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: 08/10/2020
Date Data Arrived at EDR: 08/11/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 02/22/2021
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: 08/10/2020
Date Data Arrived at EDR: 08/11/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 02/22/2021
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: 08/10/2020
Date Data Arrived at EDR: 08/11/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 02/22/2021
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: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/15/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 07/01/2020
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/22/2020
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 09/24/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

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: 12/02/2020
Next Scheduled EDR Contact: 03/22/2021
Data Release Frequency: No Update Planned

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: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
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: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
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: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
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: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
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: 08/10/2020
Date Data Arrived at EDR: 08/11/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 02/22/2021
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: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2020
Next Scheduled EDR Contact: 03/08/2021
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: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
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: 10/30/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 3
Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/11/2021
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: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 86
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
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: 08/10/2020
Date Data Arrived at EDR: 08/11/2020
Date Made Active in Reports: 11/05/2020
Number of Days to Update: 86

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 02/22/2021
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: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/18/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
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: 08/05/2020
Date Data Arrived at EDR: 08/13/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 69

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/17/2020
Next Scheduled EDR Contact: 03/01/2021
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: 10/13/2020
Next Scheduled EDR Contact: 01/25/2021
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: 10/08/2020
Next Scheduled EDR Contact: 01/18/2021
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: 11/09/2020
Next Scheduled EDR Contact: 02/22/2021
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: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
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: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
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: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
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: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
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: 11/17/2020
Next Scheduled EDR Contact: 03/01/2021
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: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
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: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/24/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 02/01/2021
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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 02/15/2021
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: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
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: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
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: 08/05/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 59
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 01/31/2021
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: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
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: 11/30/2020
Next Scheduled EDR Contact: 03/15/2021
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: 11/06/2021
Next Scheduled EDR Contact: 02/15/2021
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: 09/24/2020
Next Scheduled EDR Contact: 01/11/2021
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: 10/27/2020
Next Scheduled EDR Contact: 02/08/2021
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: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
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: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
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: 10/06/2020
Next Scheduled EDR Contact: 01/18/2021
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: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
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: 11/20/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/28/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 11/25/2020
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 01/11/2021
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

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: 08/04/2020
Date Data Arrived at EDR: 08/25/2020
Date Made Active in Reports: 11/18/2020
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/23/2020
Next Scheduled EDR Contact: 03/08/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 09/10/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 66

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/24/2020
Next Scheduled EDR Contact: 03/15/2021
Data Release Frequency: Quarterly

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: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
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: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
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: 06/22/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 80

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/22/2021
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: 09/04/2020
Date Data Arrived at EDR: 09/15/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 66

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
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: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/17/2020
Next Scheduled EDR Contact: 03/08/2021
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: 06/27/2020
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/28/2020
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/18/2021
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: 10/08/2020
Next Scheduled EDR Contact: 01/25/2021
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: 08/17/2020
Date Data Arrived at EDR: 08/17/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 65

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/13/2020
Next Scheduled EDR Contact: 03/01/2021
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 07/01/2020
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/22/2020
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 09/24/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/12/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 12/02/2020
Next Scheduled EDR Contact: 03/22/2021
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: 02/27/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 06/10/2020
Number of Days to Update: 77

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 06/25/2020
Date Data Arrived at EDR: 06/25/2020
Date Made Active in Reports: 07/22/2020
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/11/2021
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: 12/02/2020
Next Scheduled EDR Contact: 03/22/2021
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: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
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: 07/28/2020
Date Data Arrived at EDR: 08/06/2020
Date Made Active in Reports: 10/28/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 02/01/2021
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: 11/13/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 08/30/2020
Date Data Arrived at EDR: 09/01/2020
Date Made Active in Reports: 11/23/2020
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 12/01/2020
Next Scheduled EDR Contact: 03/15/2021
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: 07/07/2020
Date Data Arrived at EDR: 07/14/2020
Date Made Active in Reports: 09/30/2020
Number of Days to Update: 78

Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 01/25/2021
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: 05/28/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 30

Source: New York City Department of Housing Preservation & Development
Telephone: 212-863-8200
Last EDR Contact: 10/26/2020
Next Scheduled EDR Contact: 02/15/2021
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: 11/25/2020
Next Scheduled EDR Contact: 03/08/2021
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: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 34

Source: New York City Department of Education
Telephone: 212-374-5141
Last EDR Contact: 10/26/2020
Next Scheduled EDR Contact: 02/15/2021
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: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

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: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

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: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

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: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
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: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
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: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
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: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
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: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
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: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
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: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
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: 11/25/2020
Next Scheduled EDR Contact: 03/15/2021
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: 11/25/2020
Next Scheduled EDR Contact: 03/15/2021
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: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
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: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
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: 10/22/2020
Next Scheduled EDR Contact: 02/08/2021
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: 11/09/2020
Next Scheduled EDR Contact: 02/07/2021
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: 11/09/2020
Next Scheduled EDR Contact: 02/07/2021
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: 08/10/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 13
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/09/2020
Next Scheduled EDR Contact: 02/22/2021
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: 10/09/2020
Next Scheduled EDR Contact: 01/18/2021
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: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/11/2020
Next Scheduled EDR Contact: 03/01/2021
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: 10/08/2020
Next Scheduled EDR Contact: 01/25/2021
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: 09/02/2020
Next Scheduled EDR Contact: 12/21/2020
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

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

RIVER ROAD & MAIN STREET PROPERTIES
173, 175, AND 235 RIVER RD AND 190 MAIN ST
NORTH TONAWANDA, NY 14120

TARGET PROPERTY COORDINATES

Latitude (North):	43.027322 - 43° 1' 38.36''
Longitude (West):	78.879361 - 78° 52' 45.70''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	672780.8
UTM Y (Meters):	4765816.0
Elevation:	571 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5939467 TONAWANDA WEST, NY
Version Date:	2013
Northeast Map:	5938433 TONAWANDA EAST, 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).

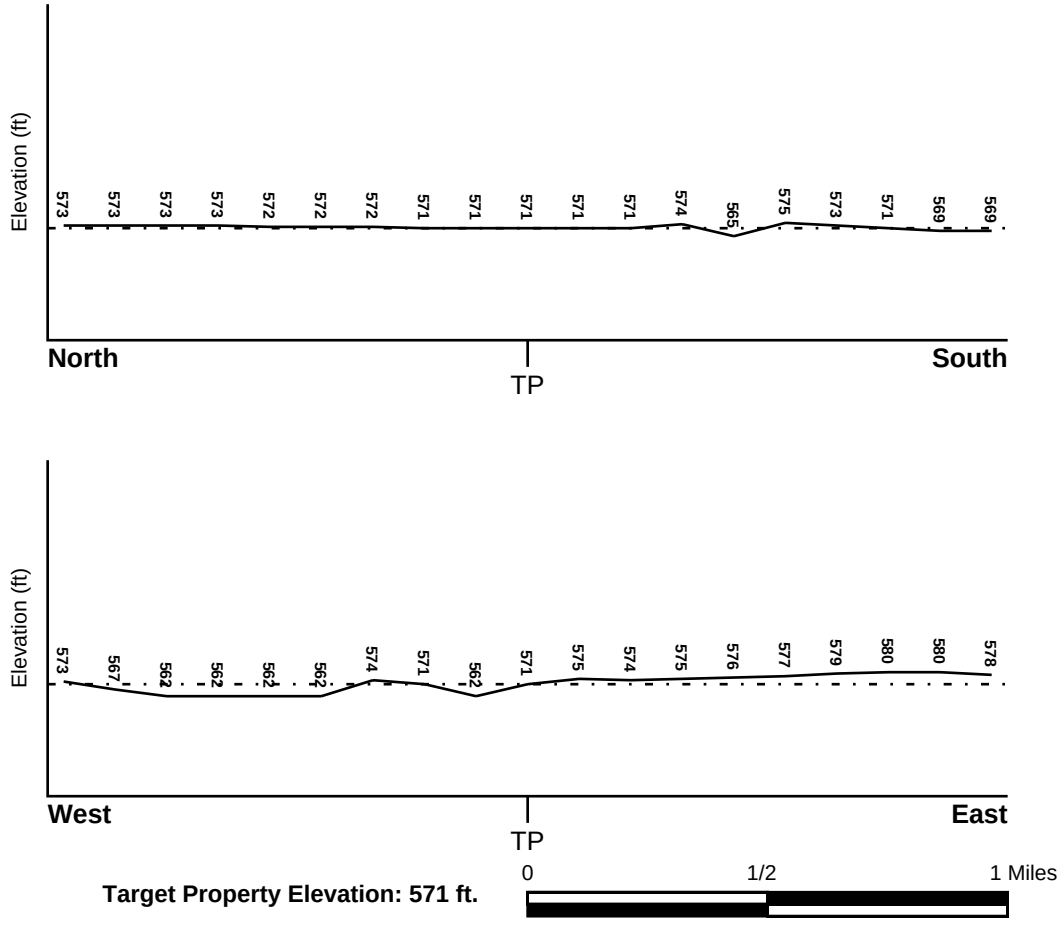
TOPOGRAPHIC INFORMATION

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 WSW

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
36029C0044G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
36029C0042G	FEMA FIRM Flood data
3605080003B	FEMA Q3 Flood data
3605080004B	FEMA Q3 Flood data
36029C0063G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
TONAWANDA WEST	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		

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

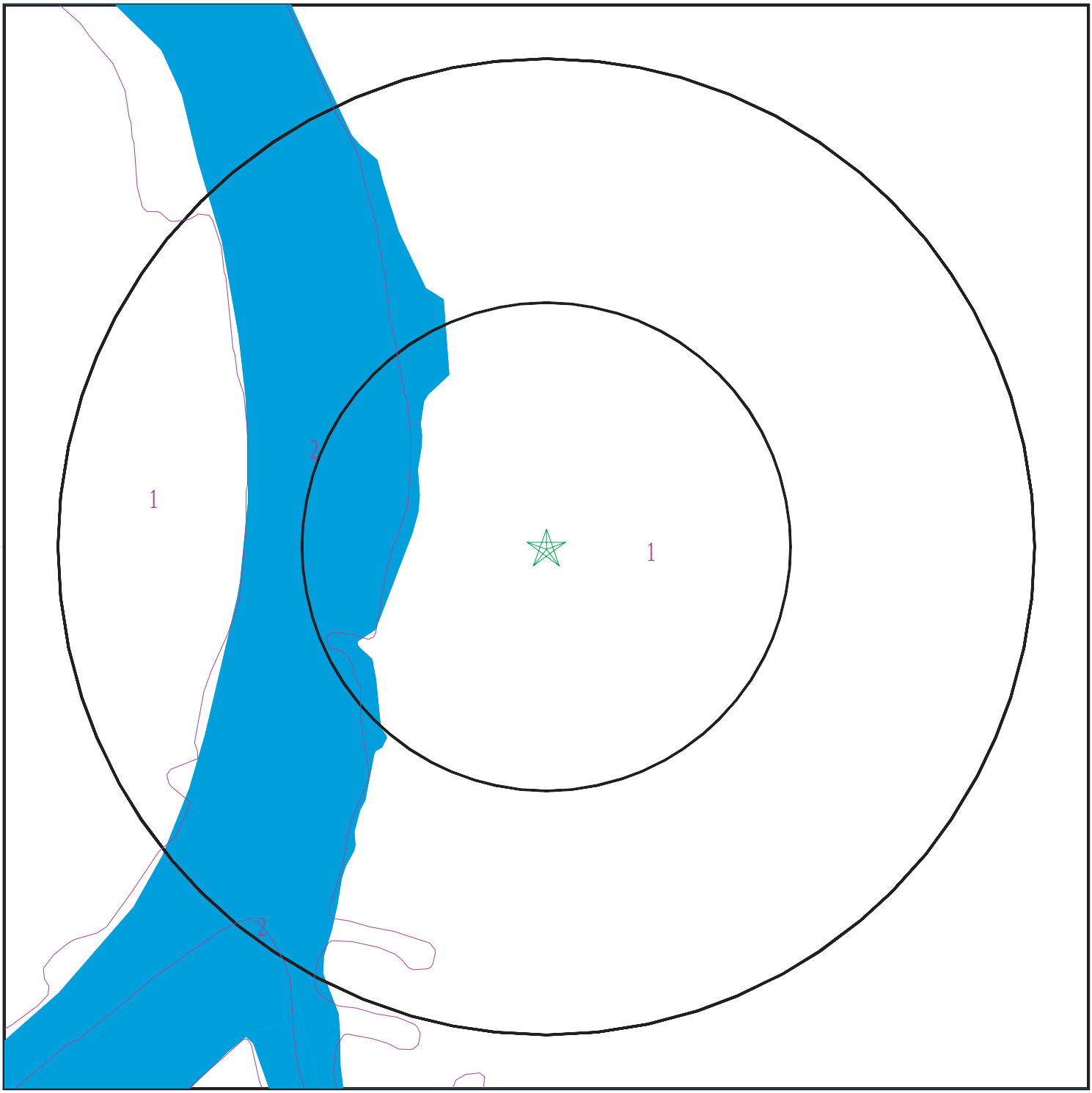
Era:	Paleozoic
System:	Silurian
Series:	Upper Silurian (Cayugan)
Code:	S3 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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 - 6286995.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	River Road & Main Street Properties	CLIENT:	C & S Engineers, Inc.
ADDRESS:	173, 175, and 235 River Rd and 190 Main St North Tonawanda NY 14120	CONTACT:	Alex Brennen
LAT/LONG:	43.027322 / 78.879361	INQUIRY #:	6286995.2s
		DATE:	December 03, 2020 4:19 pm

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: Unsurveyed area

Soil Surface Texture:
Hydrologic Group: Not reported

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: 2

Soil Component Name: Water

Soil Surface Texture:
Hydrologic Group: Not reported

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.

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	USGS40000868738	1/4 - 1/2 Mile North
A2	USGS40000868454	1/4 - 1/2 Mile ESE
A3	USGS40000868419	1/4 - 1/2 Mile SE
4	USGS40000868787	1/2 - 1 Mile NNW
6	USGS40000868181	1/2 - 1 Mile SW
7	USGS40000868431	1/2 - 1 Mile ESE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
5	NY0000572	1/2 - 1 Mile West

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

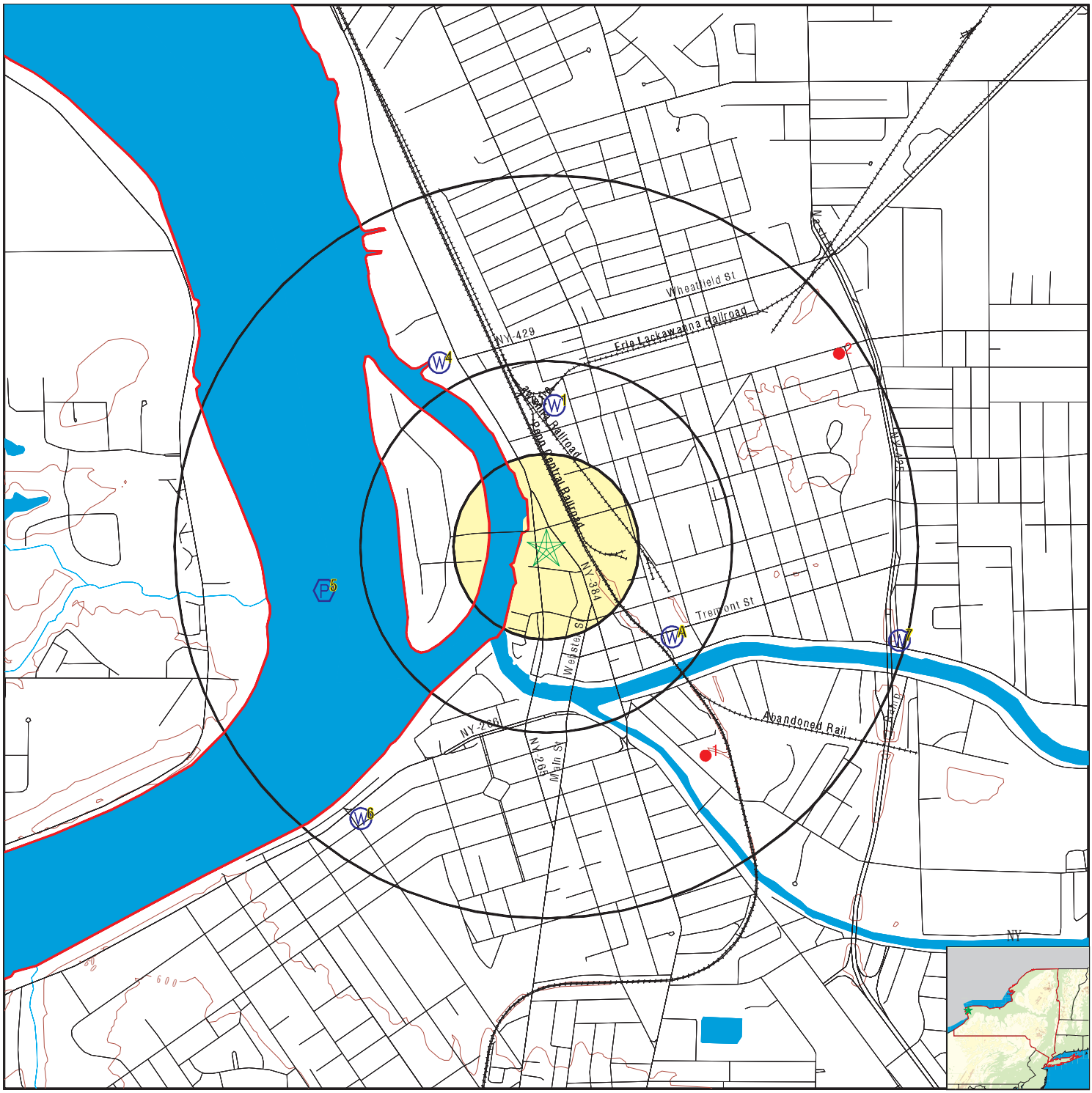
No Wells Found

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NYOG90000031614	1/2 - 1 Mile SE
2	NYOG90000036121	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 6286995.2s



- 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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	River Road & Main Street Properties	CLIENT:	C & S Engineers, Inc.
ADDRESS:	173, 175, and 235 River Rd and 190 Main St North Tonawanda NY 14120	CONTACT:	Alex Brennen
LAT/LONG:	43.027322 / 78.879361	INQUIRY #:	6286995.2s
		DATE:	December 03, 2020 4:19 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
North
1/4 - 1/2 Mile
Higher | **FED USGS** | **USGS40000868738**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	NI 13		
Type:	Well: Test hole not completed as a well		
Description:	Niagara Project: TW-6	HUC:	04120104
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:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

A2
ESE
1/4 - 1/2 Mile
Higher | **FED USGS** | **USGS40000868454**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	NI 11		
Type:	Well: Test hole not completed as a well		
Description:	Niagara Project	HUC:	04120104
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:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

---

A3
SE
1/4 - 1/2 Mile
Higher | **FED USGS** | **USGS40000868419**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	NI 8		
Type:	Well: Test hole not completed as a well		
Description:	Niagara Project	HUC:	04120104
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:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

4
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000868787**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	NI 862		
Type:	Well: Test hole not completed as a well		
Description:	DUREZ TECHNICAL NEGOTIATIONS		
HUC:	04120104	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:	19880309	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	75
Well Hole Depth Units:	ft		

5
West
1/2 - 1 Mile
Lower

FRDS PWS **NY0000572**

PWS ID:	NY0000572	PWS type:	System Owner/Responsible Party
PWS name:	HOFFMAN ELIZABETH	PWS address:	CITY OF NORTH TONAWANDA
PWS address:	CITY HALL 216 PAYNE AVE.	PWS city:	NORTH TONAWANDA
PWS state:	NY	PWS zip:	14120
PWS ID:	NY0000572	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00034879	System name:	NORTH TONAWANDA CITY
System address:	Not Reported	System address:	CITY HALL 216 PAYNE AVE
System city:	NORTH TONAWANDA	System state:	NY
System zip:	14120		
County FIPS:	031	City served:	NORTH TONAWANDA
Latitude:	430132	Longitude:	0785329

6
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40000868181**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	E 733		
Type:	Well: Test hole not completed as a well		
Description:	Niagara Project: TW-3	HUC:	04120104
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:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

7
ESE
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000868431**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	NI 9		
Type:	Well: Test hole not completed as a well		
Description:	Niagara Project: TE-19	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:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SE
1/2 - 1 Mile

OIL_GAS **NYOG90000031614**

API Well #:	31029038300000	Well Name:	7
Owner:	Not Reported	Operator:	0
Well Type:	Gas Development	Well Status:	Unknown
Permit Date:	0	Drill Date:	0
Completion Date:	0	Plug Date:	0
Field Name:	Tonawanda	Formation:	Medina
Borehole Slant:	Vertical	State Owned Lease:	NA
Proposed Depth:	0	True Depth:	0
Measured Length:	0		

2
ENE
1/2 - 1 Mile

OIL_GAS **NYOG90000036121**

API Well #:	31063528790000	Well Name:	Tanner,Craig 1
Owner:	Chimino Sr. John Mr. & Mrs	Operator:	9240
Well Type:	Gas Development	Well Status:	Plugged and Abandoned
Permit Date:	0	Drill Date:	0
Completion Date:	1982 4 9	Plug Date:	0
Field Name:	Not Applicable	Formation:	Not Applicable
Borehole Slant:	Vertical	State Owned Lease:	NA
Proposed Depth:	0	True Depth:	710
Measured Length:	710		

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
NIAGARA	CAMBRIA	16	2.73	1.71	13.8
NIAGARA	HARTLAND	13	8.85	3.36	65.4
NIAGARA	LEWISTON	133	2.57	1.48	20.2
NIAGARA	LOCKPORT	114	2.69	1.45	50.1
NIAGARA	NEWFANE	19	2.58	1.81	7.9
NIAGARA	NIAGARA	82	1.06	0.75	6.3
NIAGARA	NIAGARA FALLS	506	1.35	0.9	12.1
NIAGARA	NO. TONAWANDA	162	1.65	1.08	15.6
NIAGARA	PENDLETON	17	2.48	1.29	16.8
NIAGARA	PORTER	62	2.29	1.61	9.7
NIAGARA	ROYALTON	15	1.83	1.36	3.9
NIAGARA	SOMERSET	7	1.43	1.31	2.6
NIAGARA	WHEATFIELD	32	0.97	0.7	3.6
NIAGARA	WILSON	16	1.79	1.16	9.2

Federal EPA Radon Zone for NIAGARA County: 2

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 NIAGARA COUNTY, NY

Number of sites tested: 177

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.800 pCi/L	98%	2%	0%
Basement	1.130 pCi/L	95%	5%	0%

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

River Road & Main Street Properties
173, 175, and 235 River Rd and 190 Main St
North Tonawanda, NY 14120

Inquiry Number: 6286995.2s
January 29, 2021

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	2
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	property	0	-	-
State- and tribal - equivalent NPL	not searched	-	-	-
State- and tribal - equivalent CERCLIS	1.0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	1	0	0
State and tribal leaking storage tank lists	0.5	0	0	4
State and tribal registered storage tank lists	0.5	1	0	1
State and tribal institutional control / engineering control registries	0.5	0	0	1
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	1	1

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	1	3
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	1
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	property	0	-	-
Records of Emergency Release Reports	0.125	0	0	3
Other Ascertainable Records	1.0	5	0	4

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	3	0
Exclusive Recovered Govt. Archives	property	1	-	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	3	0
Exclusive Recovered Govt. Archives	property	1	-	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

RIVER ROAD & MAIN STREET PROPERTIES
173, 175, AND 235 RIVER RD AND 190 MAIN ST
NORTH TONAWANDA, NY 14120

COORDINATES

Latitude (North):	43.027322 - 43° 1′ 38.355103″
Longitude (West):	78.879361 - 78° 52′ 45.71045″
Elevation:	571 ft. above sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

Site	Database(s)
BENMAN CO 190-196 MAIN ST NORTH TONAWANDA, NY 14120-5305	ECHO Registry ID: 110004338306 RCRA NonGen / NLR EPA ID:: NYD002101806 EPA ID:: NYD002101806 EPA ID:: NYD002101806 EPA ID:: NYD002101806 FINDS Registry ID:: 110004338306
METZGER REMOVAL 235 RIVER ROAD NORTH TONAWANDA, NY	RGA LF Facility ID:
METZGER REMOVAL INC 235 RIVER RD NORTH TONAWANDA, NY 14120-5707	FINDS Registry ID:: 110019392343
METZGER REMOVAL 235 RIVER ROAD NORTH TONAWANDA, NY 14120	SWF/LF
LIPPMANN PORTABLE IMPACT PLT #1MP5165LS 235 RIVER ROAD NORTH TONAWANDA, NY 14120	US MINES
METZGER REMOVAL INC 235 RIVER ROAD NORTH TONAWANDA, NY 14120	AST Facility Id: 9-600970
METZGER REMOVAL INC 235 RIVER RD PORTABLE UNIT NORTH TONAWANDA, NY 14120	AIRS DEC Id: 9990900090
LIPPMANN PORTABLE IMPACT PLT #1MP5165LS 235 RIVER ROAD NORTH TONAWANDA, NY 141205707	ABANDONED MINES

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
METZGER REMOVAL SWF/LF: SWF/LF	235 RIVER ROAD	Property	▲ A4	16
METZGER REMOVAL INC AST: AST	235 RIVER ROAD	Property	▲ A6	19
211 MAIN STREET BROWNFIELDS: BROWNFIELDS	211 MAIN STREET	<1/10 ENE	▲ B9	29
TONDISCO INC UST: UST LTANKS: LTANKS	80 THOMPSON ST	1/10 - 1/3 NE	▲ 15	48
CALAMAR CONSTRUCTION MGMT INC FINDS: FINDS RCRA-VSQG: RCRA-VSQG ECHO: ECHO MANIFEST: NY MANIFEST NY Spills: SPILLS LTANKS: LTANKS	190 OLIVER ST SUITE 100	1/10 - 1/3 E	▲ H16	56
NYNEX FINDS: FINDS RCRA NonGen / NLR: RCRA NonGen / NLR ECHO: ECHO MANIFEST: NY MANIFEST LTANKS: LTANKS NY Spills: SPILLS	95 TREMONT ST	1/10 - 1/3 SE	▲ 18	91
HURTUBISE TIRE LTANKS: LTANKS	TREMONT STREET AND OLIVER	1/10 - 1/3 SE	▲ V20	106
REMINGTON RAND BUILDING INST CONTROL: INST CONTROL ENG CONTROLS: ENG CONTROLS BROWNFIELDS: BROWNFIELDS	184 SWEENEY STREET	1/10 - 1/3 SE	▲ AA21	107
REMINGTON RAND BUILDING US BROWNFIELDS: US BROWNFIELDS ECHO: ECHO FINDS: FINDS RCRA-SQG: RCRA-SQG MANIFEST: NY MANIFEST	184 SWEENEY STREET	1/10 - 1/3 SE	▲ AA22	159

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
BENMAN CO	190-196 MAIN ST	Property	▲ A1	10

EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
ECHO: ECHO RCRA NonGen / NLR: RCRA NonGen / NLR FINDS: FINDS				
METZGER REMOVAL INC FINDS: FINDS	235 RIVER RD	Property	▲ A3	15
LIPPMANN PORTABLE IMPACT PLT #1MP5165LS US MINES: US MINES	235 RIVER ROAD	Property	▲ A5	16
METZGER REMOVAL INC AIRS: AIRS	235 RIVER RD PORTABLE UNIT	Property	▲ A7	26
LIPPMANN PORTABLE IMPACT PLT #1MP5165LS ABANDONED MINES: ABANDONED MINES	235 RIVER ROAD	Property	▲ A8	28
211 MAIN STREET PROPERTY US BROWNFIELDS: US BROWNFIELDS	211 MAIN STREET	<1/10 ENE	▲ B10	34
ROYAL OAK RECYCLING SWRCY: SWRCY NY Spills: SPILLS	22 MECHANIC STREET	1/10 - 1/3 ESE	▲ 14	45
CALAMAR CONSTRUCTION MGMT INC FINDS: FINDS RCRA-VSQG: RCRA-VSQG ECHO: ECHO MANIFEST: NY MANIFEST NY Spills: SPILLS LTANKS: LTANKS	190 OLIVER ST SUITE 100	1/10 - 1/3 E	▲ H16	56
KRUG GLAZING PROPERTY US BROWNFIELDS: US BROWNFIELDS ECHO: ECHO	190 OLIVER STREET	1/10 - 1/3 E	▲ H17	85
NYNEX FINDS: FINDS RCRA NonGen / NLR: RCRA NonGen / NLR ECHO: ECHO MANIFEST: NY MANIFEST LTANKS: LTANKS NY Spills: SPILLS	95 TREMONT ST	1/10 - 1/3 SE	▲ 18	91
53 OLIVER STREET US BROWNFIELDS: US BROWNFIELDS	53 OLIVER STREET	1/10 - 1/3 ESE	▲ V19	100
REMINGTON RAND BUILDING US BROWNFIELDS: US BROWNFIELDS ECHO: ECHO FINDS: FINDS RCRA-SQG: RCRA-SQG MANIFEST: NY MANIFEST	184 SWEENEY STREET	1/10 - 1/3 SE	▲ AA22	159

EDR HIGH RISK HISTORICAL RECORDS

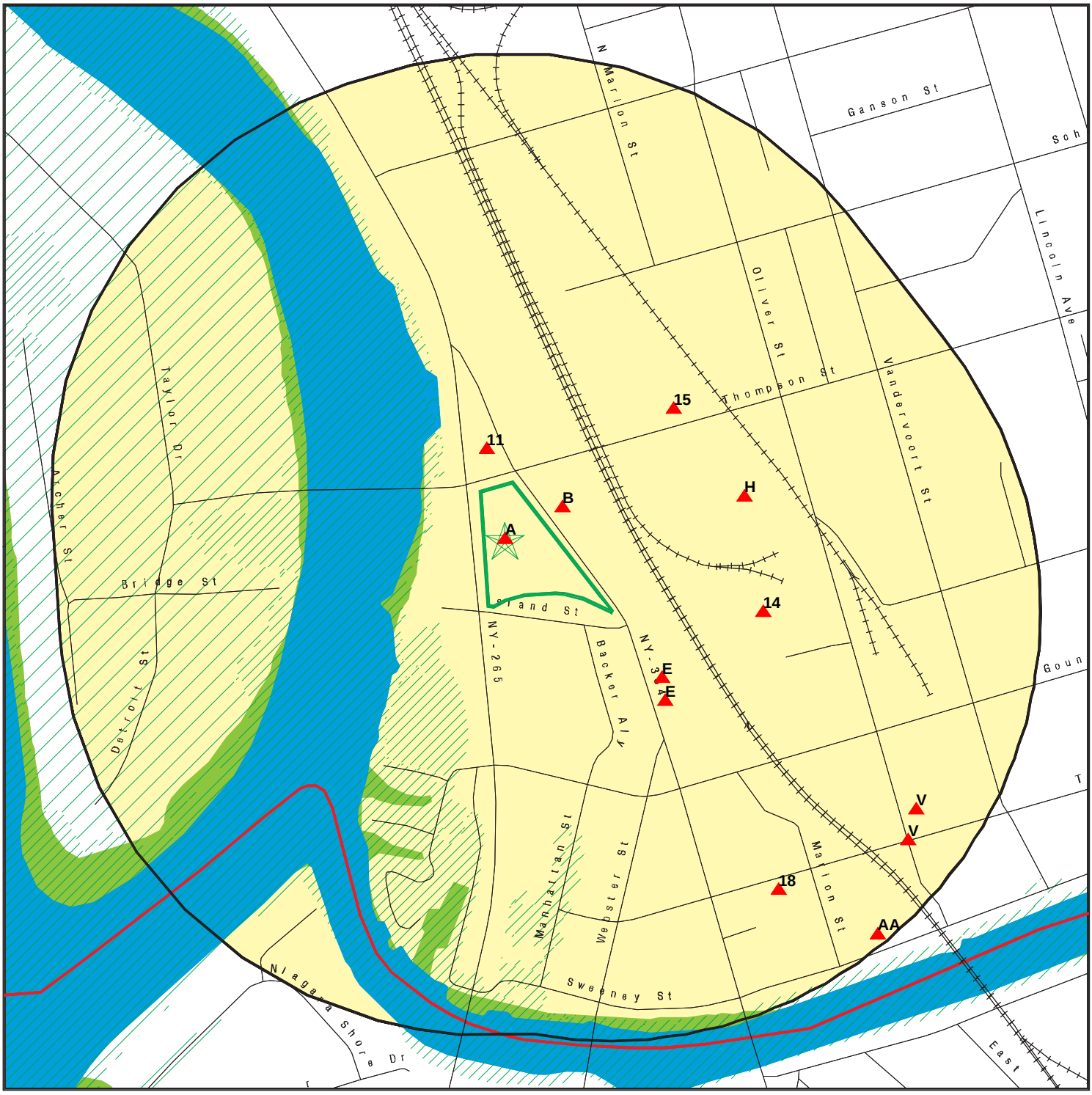
EXECUTIVE SUMMARY

Name	Address	Dist/Dir	Map ID	Page
JACKS HAMBLETON STATION EDR Hist Auto: EDR Hist Auto	250 MAIN ST	<1/10 NNW	▲ 11	43
NOCO MOTOR FUELS INC EDR Hist Auto: EDR Hist Auto	139 MAIN ST	<1/10 SE	▲ E12	44
PRESTO-FLITE INC EDR Hist Auto: EDR Hist Auto	129 MAIN ST	<1/10 SE	▲ E13	45

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
METZGER REMOVAL RGA LF: RGA LF	235 RIVER ROAD	Property	▲ A2	15

PRIMARY MAP - 6286995.2S



0 300 1/3 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
- 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:	River Road & Main Street Properties	CLIENT:	C & S Engineers, Inc.
ADDRESS:	173, 175, and 235 River Rd and 190 Main St North Tonawanda NY 14120	CONTACT:	Alex Brennen
LAT/LONG:	43.027322 / 78.879361	INQUIRY #:	6286995.2s
		DATE:	December 03, 2020 4:19 pm

SECONDARY MAP - 6286995.2S

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- 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
- Upgradient Area

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: River Road & Main Street Properties	CLIENT: C & S Engineers, Inc.
ADDRESS: 173, 175, and 235 River Rd and 190 Main St North Tonawanda NY 14120	CONTACT: Alex Brennen
	INQUIRY #: 6286995.2s
LAT/LONG: 43.027322 / 78.879361	DATE: December 03, 2020 4:18 pm

MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

BENMAN CO 190-196 MAIN ST, NORTH TONAWANDA, NY, 14120-5305		1000295153
▲ A1	Target Property 571 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist
Conditions:

Not Applicable: YES

RCRA NonGen / NLR: Other Ascertainable Records

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	BENMAN CO
Handler Address:	190-196 MAIN ST
Handler City,State,Zip:	NORTH TONAWANDA, NY 14120-5305
EPA ID:	NYD002101806
Contact Name:	Not Reported
Contact Address:	MAIN ST
Contact City,State,Zip:	NORTH TONAWANDA, NY 14120
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

BENMAN CO, 190-196 MAIN ST, NORTH TONAWANDA, NY 14120-5305 (Continued)

State District:	NYSDEC R9
Mailing Address:	MAIN ST
Mailing City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner Name:	ESTATE OF BJ MANASEN
Owner Type:	Private
Operator Name:	ESTATE OF BJ MANASEN
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

BENMAN CO, 190-196 MAIN ST, NORTH TONAWANDA, NY 14120-5305 (Continued)

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:	F017
Waste Description:	Not Defined

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ESTATE OF BJ MANASEN
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:	ESTATE OF BJ MANASEN
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

BENMAN CO, 190-196 MAIN ST, NORTH TONAWANDA, NY 14120-5305 (Continued)

Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	ESTATE OF BJ MANASEN
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:	1999-07-08 00:00:00.0
Handler Name:	BENMAN 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:	BENMAN 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:	2007-01-01 00:00:00.0
Handler Name:	BENMAN 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

BENMAN CO, 190-196 MAIN ST, NORTH TONAWANDA, NY 14120-5305 (Continued)

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:	1980-07-03 00:00:00.0
Handler Name:	BENMAN CO
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:	337129
NAICS Description:	WOOD TELEVISION, RADIO, AND SEWING MACHINE CABINET MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS: Other Ascertainable Records

Registry ID:	110004338306
Click Here:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110004338306

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.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4TF4xpTZSFaV2kRxnWpQR9Z8ZCxSwT3BYatDV3n2BJkJJRwZ5hynznWG54fJQNpRXE3dTZ708mx9WMC49xrzBmww5jToZ438To4FtQ2Mgx2yptW84gZ2VSu83zMaZkVwG40gkvDRTE2PsnHLWXe5ojQQHReL4.3Zfm8mw2m0CO3xug4S8TtwFki3etxiapnO2kqZKmSop8cVa0ZVbn4OBkf0R0TAM8n8MWfi83bQnmRc.BNDZHR8uYBAbCBExho724wfJTD712EBb7YpM4gBtagDXQuoC3VynUJ4zWTxEFK33s7xYtpAw2EeZcVSHb33Va0DVnN2wNkl8RI32NynPAWPh2BEQyxRcX4ISZg58x8BPYCmQxsR7YBwyfTIe3baBOYYQw76st2HDRv5hF3GZnDC2 additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

Envid:	1000295153
Registry ID:	110004338306
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004338306
Name:	BENMAN CO

BENMAN CO, 190-196 MAIN ST, NORTH TONAWANDA, NY 14120-5305 (Continued)

Address: 190-196 MAIN ST
City,State,Zip: NORTH TONAWANDA, NY 14120

METZGER REMOVAL 235 RIVER ROAD, NORTH TONAWANDA, NY,		S114959068
▲ A2	Target Property 571 ft. Above Sea Level	Exclusive Recovered Govt. Archives

Worksheet:

Impact on Target Property: VEC does not exist

RGA LF: Exclusive Recovered Govt. Archives

2012	METZGER REMOVAL	235 RIVER ROAD
2011	METZGER REMOVAL	235 RIVER ROAD
2010	METZGER REMOVAL	235 RIVER ROAD
2009	METZGER REMOVAL	235 RIVER ROAD
2008	METZGER REMOVAL	235 RIVER ROAD
2007	METZGER REMOVAL	235 RIVER ROAD
2006	METZGER REMOVAL	235 RIVER ROAD
2005	METZGER REMOVAL	235 RIVER ROAD
2004	METZGER REMOVAL	235 RIVER ROAD

METZGER REMOVAL INC 235 RIVER RD, NORTH TONAWANDA, NY, 14120-5707		1016320743
▲ A3	Target Property 571 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist
Conditions:

Not Applicable: YES

FINDS: Other Ascertainable Records

Registry ID: 110019392343
Click Here: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110019392343

Environmental Interest/Information System:

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.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2b2Fbi1hFI8nip2ShV1.IN4jnX34pA2iSj81VQAo.K26bc1MFu73im2vhY3oI51knQ4PpP3CS91NVm2Obe2sFn1Qi87Nh537IQ9snb7upFA1SFA1Vv6x.E0UNk3gjktSXk2jb829FK1ViN2wh71mIO2unV7npP4vSg3RVL1Q.h8YN25Bjp4XX.1 additional records for this site. Please contact your EDR Account Executive for more information.

METZGER REMOVAL 235 RIVER ROAD, NORTH TONAWANDA, NY, 14120		S105841309
▲ A4	Target Property 571 ft. Above Sea Level	State and tribal landfill and/or solid waste disposal site lists

Worksheet:

Impact on Target Property: VEC does not exist

SWF/LF: State and tribal landfill and/or solid waste disposal site lists

Name:	METZGER REMOVAL
Address:	235 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Flag:	INACTIVE
Region Code:	9
Phone Number:	7166921810
Owner Name:	Metzger Removal; Inc.
Owner Type:	Private
Owner Address:	235 River Road
Owner Addr2:	Not Reported
Owner City,St,Zip:	Tonawanda, NY 14120
Owner Email:	Not Reported
Owner Phone:	7166921810
Contact Name:	Gary Metzger
Contact Address:	Not Reported
Contact Addr2:	Not Reported
Contact City,St,Zip:	NY
Contact Email:	metzger.removal@aol.com
Contact Phone:	7166921810
Activity Desc:	C&D processing - registration
Activity Number:	[32W03]
Active:	No
East Coordinate:	183923
North Coordinate:	4771160
Accuracy Code:	Not Reported
Regulatory Status:	Registration
Waste Type:	Not Reported
Authorization #:	32W03
Authorization Date:	7/10/1998
Expiration Date:	Not Reported
Operator Name:	Metzger Removal Inc.
Operator Type:	Private
Laste Date:	Not Reported

LIPPMANN PORTABLE IMPACT PLT #1MP5165LS 235 RIVER ROAD, NORTH TONAWANDA, NY, 14120		1024918254
▲ A5	Target Property 571 ft. Above Sea Level	Other Ascertainable Records

MAP FINDINGS

Worksheet:

Impact on Target Property: VEC does not exist

MINES VIOLATIONS: Other Ascertainable Records

Name:	LIPPMANN PORTABLE IMPACT PLT #1MP5165LS
Address:	235 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Facility ID:	Not Reported

MINES VIOLATIONS:

Violation Number:	8580840
Mine ID:	3003791
Contractor ID:	Not Reported
Date Issued:	11/08/2010
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	11/10/2010
Title 30 Code of Federal Regulations:	41.11
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2010
Address Type:	MineLocation
PO Box:	Not Reported
Address:	235 RIVER ROAD
City:	NORTH TONAWANDA
State:	NY
Operator:	Metzger Removal Inc
Zip:	14120
Mine Controller Name:	Gary Metzger
Name:	LIPPMANN PORTABLE IMPACT PLT #1MP5165LS
Ownership Date:	11/01/2010
Mine Status:	Abandoned
Status Date:	10/01/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	NY
County:	NIAGARA

Violation Number:	8580841
Mine ID:	3003791
Contractor ID:	Not Reported
Date Issued:	11/08/2010
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	11/10/2010
Title 30 Code of Federal Regulations:	56.20008(a)

LIPPMANN PORTABLE IMPACT PLT #1MP5165LS, 235 RIVER ROAD, NORTH TONAWANDA, NY 14120 (Continued)

Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2010
Address Type:	MineLocation
PO Box:	Not Reported
Address:	235 RIVER ROAD
City:	NORTH TONAWANDA
State:	NY
Operator:	Metzger Removal Inc
Zip:	14120
Mine Controller Name:	Gary Metzger
Name:	LIPPMANN PORTABLE IMPACT PLT #1MP5165LS
Ownership Date:	11/01/2010
Mine Status:	Abandoned
Status Date:	10/01/2014
Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	NY
County:	NIAGARA

Violation Number:	8580842
Mine ID:	3003791
Contractor ID:	Not Reported
Date Issued:	11/08/2010
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	11/10/2010
Title 30 Code of Federal Regulations:	56.4201(a)(2)
Proposed Penalty:	100.00
Assessment Amount:	100.00
Paid Penalty Amount:	100.00
Assessment Case Status:	Proposed
Assessment Status:	Closed
Year:	2010
Address Type:	MineLocation
PO Box:	Not Reported
Address:	235 RIVER ROAD
City:	NORTH TONAWANDA
State:	NY
Operator:	Metzger Removal Inc
Zip:	14120
Mine Controller Name:	Gary Metzger
Name:	LIPPMANN PORTABLE IMPACT PLT #1MP5165LS
Ownership Date:	11/01/2010
Mine Status:	Abandoned
Status Date:	10/01/2014

LIPPMANN PORTABLE IMPACT PLT #1MP5165LS, 235 RIVER ROAD, NORTH TONAWANDA, NY 14120 (Continued)

Primary Site Description:	Crushed, Broken Stone NEC
Mine Type:	Surface
State 2:	NY
County:	NIAGARA

METZGER REMOVAL INC 235 RIVER ROAD, NORTH TONAWANDA, NY, 14120		A100307873
▲ A6	Target Property 571 ft. Above Sea Level	State and tribal registered storage tank lists

Worksheet:

Impact on Target Property: VEC does not exist

AST: State and tribal registered storage tank lists

Name:	METZGER REMOVAL INC
Address:	235 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 14120
Region:	STATE
DEC Region:	9
Site Status:	Active
Facility Id:	9-600970
Program Type:	PBS
UTM X:	183910.44244
UTM Y:	4771159.70912
Expiration Date:	08/20/2022
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	386152
Affiliation Type:	Facility Owner
Company Name:	METZGER REMOVAL INC
Contact Type:	PRESIDENT
Contact Name:	GARY METZGER
Address1:	235 RIVER ROAD
Address2:	Not Reported
City:	NORTH TONAWANDA
State:	NY
Zip Code:	14120
Country Code:	001
Phone:	(716) 692-1810
EMail:	METZGER.REMOVAL@GMAIL.COM
Fax Number:	Not Reported
Modified By:	AESKALSK
Date Last Modified:	2019-01-18

Site Id:	386152
Affiliation Type:	Mail Contact
Company Name:	METZGER REMOVAL INC

METZGER REMOVAL INC, 235 RIVER ROAD, NORTH TONAWANDA, NY 14120 (Continued)

Contact Type:	PRESIDENT
Contact Name:	GARY METZGER
Address1:	235 RIVER ROAD
Address2:	Not Reported
City:	NORTH TONAWANDA
State:	NY
Zip Code:	14120
Country Code:	001
Phone:	(716) 692-1810
EMail:	METZGER.REMOVAL@GMAIL.COM
Fax Number:	Not Reported
Modified By:	AESKALSK
Date Last Modified:	2019-01-18

Site Id:	386152
Affiliation Type:	Facility Operator
Company Name:	METZGER REMOVAL INC
Contact Type:	Not Reported
Contact Name:	GARY METZGER
Address1:	Not Reported
Address2:	Not Reported
City:	Not Reported
State:	NN
Zip Code:	Not Reported
Country Code:	001
Phone:	(716) 692-1810
EMail:	Not Reported
Fax Number:	Not Reported
Modified By:	LDGOMEZ
Date Last Modified:	2007-08-20

Site Id:	386152
Affiliation Type:	Emergency Contact
Company Name:	METZGER REMOVAL INC
Contact Type:	Not Reported
Contact Name:	GARY METZGER
Address1:	Not Reported
Address2:	Not Reported
City:	Not Reported
State:	NN
Zip Code:	Not Reported
Country Code:	001
Phone:	(716) 818-4000
EMail:	Not Reported
Fax Number:	Not Reported
Modified By:	LDGOMEZ
Date Last Modified:	2007-08-20

Tank Info:

Tank Number:	1

METZGER REMOVAL INC, 235 RIVER ROAD, NORTH TONAWANDA, NY 14120 (Continued)

Tank Id:	218962
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

F00 - Pipe External Protection - None

J01 - Dispenser - Pressurized Dispenser

C00 - Pipe Location - No Piping

K00 - Spill Prevention - None

A00 - Tank Internal Protection - None

B01 - Tank External Protection - Painted/Asphalt Coating

H00 - Tank Leak Detection - None

I00 - Overfill - None

E00 - Piping Secondary Containment - None

L00 - Piping Leak Detection - None

G01 - Tank Secondary Containment - Diking (Aboveground)

D00 - Pipe Type - No Piping

Tank Location:	Aboveground - contact with impervious barrier... Tank bottom rests on impervious barrier, allowing visual indication of leaks.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not Reported
Install Date:	06/11/2005
Capacity Gallons:	500
Tightness Test Method:	NN
Date Test:	Not Reported
Next Test Date:	Not Reported
Date Tank Closed:	Not Reported
Register:	True
Modified By:	LDGOMEZ
Last Modified:	04/14/2017
Material Name:	diesel

Tank Number:	2
Tank Id:	218963
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

J01 - Dispenser - Pressurized Dispenser

F00 - Pipe External Protection - None

C00 - Pipe Location - No Piping

K00 - Spill Prevention - None

A00 - Tank Internal Protection - None

METZGER REMOVAL INC, 235 RIVER ROAD, NORTH TONAWANDA, NY 14120 (Continued)

B01 - Tank External Protection - Painted/Asphalt Coating

E00 - Piping Secondary Containment - None

H00 - Tank Leak Detection - None

I00 - Overfill - None

L00 - Piping Leak Detection - None

D00 - Pipe Type - No Piping

G01 - Tank Secondary Containment - Diking (Aboveground)

Tank Location:	Aboveground - contact with impervious barrier... Tank bottom rests on impervious barrier, allowing visual indication of leaks.
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not Reported
Install Date:	06/11/2005
Capacity Gallons:	1000
Tightness Test Method:	-
Date Test:	Not Reported
Next Test Date:	Not Reported
Date Tank Closed:	Not Reported
Register:	True
Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	diesel
Tank Number:	3
Tank Id:	278849

Equipment Records:

A00 - Tank Internal Protection - None

B01 - Tank External Protection - Painted/Asphalt Coating

E00 - Piping Secondary Containment - None

H00 - Tank Leak Detection - None

I00 - Overfill - None

K01 - Spill Prevention - Catch Basin

C00 - Pipe Location - No Piping

F00 - Pipe External Protection - None

D00 - Pipe Type - No Piping

J04 - Dispenser - On Site Heating System (Suction)

L00 - Piping Leak Detection - None

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:	In Service
Pipe Model:	Not Reported

METZGER REMOVAL INC, 235 RIVER ROAD, NORTH TONAWANDA, NY 14120 (Continued)

Install Date:	10/01/2015
Capacity Gallons:	575
Tightness Test Method:	-
Date Test:	Not Reported
Next Test Date:	Not Reported
Date Tank Closed:	Not Reported
Register:	True
Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	used oil (heating, on-site consumption)
Tank Number:	4
Tank Id:	278850

Equipment Records:

C00 - Pipe Location - No Piping

F00 - Pipe External Protection - None

D00 - Pipe Type - No Piping

L00 - Piping Leak Detection - None

A00 - Tank Internal Protection - None

B01 - Tank External Protection - Painted/Asphalt Coating

K00 - Spill Prevention - None

E00 - Piping Secondary Containment - None

H00 - Tank Leak Detection - None

I00 - Overfill - None

J00 - Dispenser - None

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:	In Service
Pipe Model:	Not Reported
Install Date:	10/01/2015
Capacity Gallons:	275
Tightness Test Method:	-
Date Test:	Not Reported
Next Test Date:	Not Reported
Date Tank Closed:	Not Reported
Register:	True
Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	used oil (heating, on-site consumption)
Tank Number:	5
Tank Id:	278851

Equipment Records:

METZGER REMOVAL INC, 235 RIVER ROAD, NORTH TONAWANDA, NY 14120 (Continued)

J06 - Dispenser - Tank Mounted Dispenser

C00 - Pipe Location - No Piping

F00 - Pipe External Protection - None

A00 - Tank Internal Protection - None

B01 - Tank External Protection - Painted/Asphalt Coating

H00 - Tank Leak Detection - None

I00 - Overfill - None

K01 - Spill Prevention - Catch Basin

E00 - Piping Secondary Containment - None

L00 - Piping 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:	In Service
Pipe Model:	Not Reported
Install Date:	07/01/2015
Capacity Gallons:	275
Tightness Test Method:	-
Date Test:	Not Reported
Next Test Date:	Not Reported
Date Tank Closed:	Not Reported
Register:	True
Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	motor oil
Tank Number:	6
Tank Id:	278852

Equipment Records:

E00 - Piping Secondary Containment - None

H00 - Tank Leak Detection - None

I00 - Overfill - None

K01 - Spill Prevention - Catch Basin

C00 - Pipe Location - No Piping

F00 - Pipe External Protection - None

J06 - Dispenser - Tank Mounted Dispenser

A00 - Tank Internal Protection - None

B01 - Tank External Protection - Painted/Asphalt Coating

D00 - Pipe Type - No Piping

METZGER REMOVAL INC, 235 RIVER ROAD, NORTH TONAWANDA, NY 14120 (Continued)

L00 - Piping Leak Detection - None

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:	In Service
Pipe Model:	Not Reported
Install Date:	07/01/2015
Capacity Gallons:	160
Tightness Test Method:	-
Date Test:	Not Reported
Next Test Date:	Not Reported
Date Tank Closed:	Not Reported
Register:	True
Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	motor oil
Tank Number:	7
Tank Id:	278853

Equipment Records:

E00 - Piping Secondary Containment - None

H00 - Tank Leak Detection - None

I00 - Overfill - None

K01 - Spill Prevention - Catch Basin

A00 - Tank Internal Protection - None

B01 - Tank External Protection - Painted/Asphalt Coating

C00 - Pipe Location - No Piping

F00 - Pipe External Protection - None

J06 - Dispenser - Tank Mounted Dispenser

D00 - Pipe Type - No Piping

L00 - Piping Leak Detection - None

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:	In Service
Pipe Model:	Not Reported
Install Date:	07/01/2015
Capacity Gallons:	160
Tightness Test Method:	-
Date Test:	Not Reported
Next Test Date:	Not Reported
Date Tank Closed:	Not Reported
Register:	True

METZGER REMOVAL INC, 235 RIVER ROAD, NORTH TONAWANDA, NY 14120 (Continued)

Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	motor oil
Tank Number:	8
Tank Id:	278854

Equipment Records:

J06 - Dispenser - Tank Mounted Dispenser

F00 - Pipe External Protection - None

C00 - Pipe Location - No Piping

A00 - Tank Internal Protection - None

B01 - Tank External Protection - Painted/Asphalt Coating

K01 - Spill Prevention - Catch Basin

E00 - Piping Secondary Containment - None

H00 - Tank Leak Detection - None

I00 - Overfill - None

L00 - Piping 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:	In Service
Pipe Model:	Not Reported
Install Date:	07/01/2015
Capacity Gallons:	130
Tightness Test Method:	-
Date Test:	Not Reported
Next Test Date:	Not Reported
Date Tank Closed:	Not Reported
Register:	True
Modified By:	AESKALSK
Last Modified:	01/18/2019
Material Name:	motor oil

METZGER REMOVAL INC 235 RIVER RD PORTABLE UNIT, NORTH TONAWANDA, NY, 14120		S121493073
▲ A7	Target Property 571 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

METZGER REMOVAL INC, 235 RIVER RD PORTABLE UNIT, NORTH TONAWANDA, NY 14120 (Continued)

AIRS: Other Ascertainable Records

Name:	METZGER REMOVAL INC
Address:	235 RIVER RD PORTABLE UNIT
City:	NORTH TONAWANDA
Permit Type:	ASF
Permit Status:	Expired
Issue Date:	08/05/2011
Expiration Date:	Not Reported
County Fips:	Not Reported
DEC Id:	9990900090
Emission Unit Id:	Not Reported
Process Id:	Not Reported
Contaminant Name/cas:	Not Reported
Epa Control Code:	Not Reported
Contol Eff:	Not Reported
Emissions:	Not Reported
Unit:	Not Reported
Auth Type Code:	7
Latitude:	43.026767108
Longitude:	78.880834237

Name:	METZGER REMOVAL INC
Address:	235 RIVER RD PORTABLE UNIT
City:	NORTH TONAWANDA
Permit Type:	ASF
Permit Status:	Expired
Issue Date:	06/03/2004
Expiration Date:	08/05/2011
County Fips:	Not Reported
DEC Id:	9990900090
Emission Unit Id:	Not Reported
Process Id:	Not Reported
Contaminant Name/cas:	Not Reported
Epa Control Code:	Not Reported
Contol Eff:	Not Reported
Emissions:	Not Reported
Unit:	Not Reported
Auth Type Code:	7
Latitude:	43.026767108
Longitude:	78.880834237

Name:	METZGER REMOVAL INC
Address:	235 RIVER RD PORTABLE UNIT
City:	NORTH TONAWANDA
Permit Type:	ASF
Permit Status:	Expired
Issue Date:	08/05/2011
Expiration Date:	Not Reported
County Fips:	Not Reported
DEC Id:	9990900090

METZGER REMOVAL INC, 235 RIVER RD PORTABLE UNIT, NORTH TONAWANDA, NY 14120 (Continued)

Emission Unit Id:	Not Reported
Process Id:	Not Reported
Contaminant Name/cas:	Not Reported
Epa Control Code:	Not Reported
Contol Eff:	Not Reported
Emissions:	Not Reported
Unit:	Not Reported
Auth Type Code:	7
Latitude:	43.026767108
Longitude:	78.880834237
Name:	METZGER REMOVAL INC
Address:	235 RIVER RD PORTABLE UNIT
City:	NORTH TONAWANDA
Permit Type:	ASF
Permit Status:	Expired
Issue Date:	06/03/2004
Expiration Date:	08/05/2011
County Fips:	Not Reported
DEC Id:	9990900090
Emission Unit Id:	Not Reported
Process Id:	Not Reported
Contaminant Name/cas:	Not Reported
Epa Control Code:	Not Reported
Contol Eff:	Not Reported
Emissions:	Not Reported
Unit:	Not Reported
Auth Type Code:	7
Latitude:	43.026767108
Longitude:	78.880834237

LIPPMANN PORTABLE IMPACT PLT #1MP5165LS
235 RIVER ROAD, NORTH TONAWANDA, NY, 141205707 **1018217732**

▲ A8	Target Property	Other Ascertainable Records
	571 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

ABANDONED MINES: Other Ascertainable Records

Mine ID:	3003791
Mine Name:	LIPPMANN PORTABLE IMPACT PLT #1MP5165LS
Mine Address:	235 RIVER ROAD
City,State,Zip:	NORTH TONAWANDA, NY 141205707
Primary SIC Code:	Crushed, Broken Stone NEC
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	10/1/2014

LIPPMANN PORTABLE IMPACT PLT #1MP5165LS, 235 RIVER ROAD, NORTH TONAWANDA, NY 141205707 (Continued)

Coal (C) or Metal (M) Mine:	M
Controller ID:	0093533
Controller Name:	Gary Metzger
Operator ID:	0110625
Operator name:	Metzger Removal Inc
Address of Record Street:	235 River Road
Address of Record PO Box:	Not Reported
Address of Record City:	N. Tonawanda
Address of Record State:	NY
Address of Record Zip Code:	141205707
Assessment Address Street:	235 River Road
Assessment Address PO Box:	Not Reported
Assessment Address City:	N TONAWANDA
Assessment Address State:	NY
Assessment Address Zip Code:	141205707
Mine Health and Safety Address Street:	235 River Road
Mine Health and Safety Address PO Box:	Not Reported
Mine Health and Safety Address City:	North Tonawanda
Mine Health and Safety Address State:	NY
Mine Health and Safety Address Zip Code:	141205707
Latitude:	Not Reported
Longitude:	Not Reported

211 MAIN STREET 211 MAIN STREET, NORTH TONAWANDA, NY, 14120			S121933788
▲ B9	ENE <1/10	(97 ft. / 0.018 mi.)	State and tribal Brownfields sites
	2 ft. Higher Elevation	573 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Not Applicable: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

BROWNFIELDS: State and tribal Brownfields sites

Name:	211 MAIN STREET
Address:	211 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Program:	BCP
Site Code:	564860
Acres:	0.67

211 MAIN STREET, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

HW Code:	C932171
SWIS:	3212
Town:	North Tonawanda (c)
Record Added Date:	12/07/2017
Record Updated Date:	07/20/2020
Update By:	SFRADON
Site Description:	Location: The site is located at 211 Main Street in the City of North Tonawanda, Niagara County, just south of the intersection of Main and Thompson Streets. The site is 0.67 acres in size, and is bordered on the west by Main Street, commercial properties, River Road, and the Little Niagara River; on the south by commercial properties; on the east by a rail line, vacant and commercial properties; and to the north by commercial property and Thompson Street. Site Features: The site contains an approximately 11,000-square foot building that was deemed unfit for occupancy by the City of North Tonawanda in 2015. The building is surrounded by asphalt and gravel parking lots with a fence at the property lines. The site is generally flat, but gently slopes to the west. Surface drainage is primarily towards storm drains located along Main Street to the west. Current Zoning and Land Use: The property is zoned for industrial use and is currently vacant. Surrounding properties are zoned for industrial, commercial, and residential uses. The nearest residential properties are located approximately 1000 feet east of the site Past Use of the Site: The site was first developed as a lumber mill in the 1880s, and maintained that use until the 1960s. Since that time, the site has been used as an automobile service station and a warehouse. Historical operations at the property included lumber planing, pallet production, industrial cutting, machinery sales, and automobile repair, storage and painting. In September 2017, a Phase II Environmental Site Assessment (ESA) was completed at the property. This investigation documented the presence of several semi-volatile organic compounds (SVOCs) and arsenic at concentrations that exceeded the Department's Part 375 commercial use soil cleanup objectives (SCOs). Groundwater at the site, however, was not impacted by these contaminants. Remedial History: Field activities for a BCP Remedial Investigation at this site have not yet started. Site Geology and Hydrogeology: Asphalt and gravel sub-base was observed throughout the site from the surface to eight inches below grade. Fill material, consisting of crushed rock, lumber, sand, ash/cinders, bricks,

211 MAIN STREET, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

ceramics, and gravel, was encountered throughout the site to depths up to six feet below grade. Native reddish-brown clay was observed directly beneath the fill. Bedrock was not encountered at the site. Four (4) overburden groundwater monitoring wells were installed at the 211 Main Street Site. Depth to groundwater at the site ranges from 2.0 to 6.4 feet below grade, with groundwater flowing to the northwest towards the Little Niagara River. The site and surrounding area are serviced by a public water system not affected by site contamination; contaminated groundwater at the site and surrounding area is not used for drinking or other purposes.

Env Problem: During the Environmental Site Assessments completed at this site and the Remedial Investigation (RI) completed in 2019, samples for analysis were collected from surface soil/fill, subsurface fill, native soil and groundwater. Surface water and sediment are not found at the site. A soil vapor intrusion investigation was not completed at the site because VOCs were not detected in site soils, fill or groundwater. Surface soil/fill, subsurface fill and native soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), and metals. Groundwater was also analyzed for VOCs, SVOCs, pesticides, PCBs, metals and emerging contaminants. These investigations determined that metals and several polycyclic aromatic hydrocarbons (PAHs) were the primary contaminants of concern at the site. Remedial Investigation Results: Surface Soil/Fill: Thirty-three (33) surface soil/fill samples (0 to 4-inch depth) were collected from on-site and analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. No VOCs, pesticides, or PCBs were detected above the Department s Part 375 unrestricted use soil cleanup objectives (SCOs). Several SVOCs, specifically PAHs, were detected in on-site soils above the Department s Part 375 unrestricted use SCOs. The PAHs that exceeded the Part 375 unrestricted use SCOs in over 25% of the samples collected (with the number of exceedances and highest concentrations) include (Figure 3): benzo(a)anthracene (9 samples exceeded the 1.0 ppm SCO; maximum detection 34.3 parts per million (ppm); benzo(a)pyrene (8 samples exceeded the 1.0 ppm SCO; maximum detection 30.9 ppm); benzo(b)fluoranthene (10 samples exceeded the 1.0 ppm SCO; maximum detection 50.5 ppm); chrysene (8 samples exceeded the 1.0 ppm SCO; maximum detection 27.6 ppm); and

211 MAIN STREET, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

indeno(1,2,3-cd)pyrene (10 samples exceeded the 0.5 ppm SCO; maximum detection 36.0 ppm). Several metals were detected in on-site surface soil/fill above the Department s Part 375 unrestricted use SCOs. These metals (with the number of exceedances and highest concentrations) include (Figure 3): arsenic (12 samples exceeded the 13 ppm SCO; maximum detection 61.0 ppm); copper (17 samples exceeded the 50 ppm SCO; maximum detection 280 ppm); lead (25 samples exceeded the 63 ppm SCO; maximum detection 328 ppm); mercury (19 samples exceeded the 0.18 ppm SCO; maximum detection 0.99 ppm); and zinc (24 samples exceeded the 109 ppm SCO; maximum detection 950 ppm). Subsurface Fill: Thirteen (13) subsurface fill samples (0.5 to 6-feet depth) were collected from on-site and analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. No VOCs, pesticides, or PCBs were detected above the Department s Part 375 unrestricted use SCOs. No PAHs exceeded the Part 375 unrestricted use SCOs in over 25% of the samples collected. Several metals were detected in on-site subsurface fill above the Department s Part 375 unrestricted use SCOs. These metals (with the number of exceedances and highest concentrations) include (Figure 4A): arsenic (4 samples exceeded the 13 ppm SCO; maximum detection 19.3 ppm); lead (12 samples exceeded the 63 ppm SCO; maximum detection 792 ppm); mercury (5 samples exceeded the 0.18 ppm SCO; maximum detection 1.07 ppm); and zinc (11 samples exceeded the 109 ppm SCO; maximum detection 562 ppm). Native Soil: Sixteen (16) native soil samples were collected from on-site and analyzed for VOCs, SVOCs, pesticides, PCBs, and metals. None of these contaminants were detected above the Department s Part 375 unrestricted use SCOs (Figure 4B). Groundwater: Eleven (11) overburden groundwater samples were collected from the four (4) on-site wells and analyzed for VOCs, SVOCs, pesticides, PCBs, metals, and emerging contaminants. Three metals (iron, manganese and sodium) were detected in on-site groundwater above the Department s groundwater standards or guidance values. These metals are naturally occurring and likely represent groundwater conditions in the area. Contaminants that exceeded the Department's groundwater screening levels (with the number of exceedances and highest concentrations) include (Figure 5): perfluorooctanoic acid (PFOA; 4 samples exceeded the 10 parts per trillion (ppt) Screening Level; maximum detection 29.4 ppt); and

211 MAIN STREET, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

	perfluorooctanesulfonic acid (PFOS; 2 samples exceeded the 10 ppt Groundwater Screening Level; maximum detection 22.8 ppt). The area surrounding the site is serviced by a public water supply.
Health Problem:	Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.
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:	7/19/2018 3:06:00 PM
Record Upd:	6/6/2019 1:28:00 PM
Updated By:	GWHEITZM
Own Op:	6
Sub Type:	P03
Owner Name:	Kelley D. Culp-Burton
Owner Company:	Enterprise Lumber & Silo, LLC
Owner Address:	2528 Nicole Drive
Owner Addr2:	Not Reported
Owner City,St,Zip:	Wheatfield, NY 14304
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	North Tonawanda Public Library
Owner Address:	505 Meadow Drive
Owner Addr2:	Not Reported
Owner City,St,Zip:	North Tonawanda, NY 14120
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Kelley D. Culp-Burton
Owner Company:	Enterprise Lumber & Silo, LLC
Owner Address:	2528 Nicole Drive
Owner Addr2:	Not Reported
Owner City,St,Zip:	Wheatfield, NY 14304
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	arsenic
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	indeno(1,2,3-CD)pyrene

211 MAIN STREET, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(a)anthracene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(a)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	copper
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	dibenz[a,h]anthracene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(b)fluoranthene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	lead
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	mercury
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	zinc
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	Not Reported
Cross Ref Type Code:	Not Reported
Cross Ref Type:	Not Reported
Record Added Date:	Not Reported
Record Updated:	Not Reported
Updated By:	Not Reported

211 MAIN STREET PROPERTY
211 MAIN STREET, NORTH TONAWANDA, NY, 14120 1018149644

MAP FINDINGS

▲ B10	ENE <1/10	(97 ft. / 0.018 mi.)	Local Brownfield lists
	2 ft. Higher Elevation	573 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Not Applicable: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

US BROWNFIELDS: Local Brownfield lists

Name:	211 MAIN STREET PROPERTY
Address:	211 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	County of Niagara New York
Grant Type:	Assessment
Property Number:	185.05-1-80.21
Parcel size:	1
Latitude:	43.027721
Longitude:	-78.878277
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:	204481
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	44575
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:	96277116
Start Date:	5/16/2016

211 MAIN STREET PROPERTY, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

Ownership Entity:	Private
Completion Date:	-
Current Owner:	Enterprise Lumber & Silo LLC
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	5/15/2018
State/tribal program ID:	C932171
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
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:	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:	-

211 MAIN STREET PROPERTY, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	1
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	1
Future use industrial acreage:	-
Superfund Fed. landowner flag:	Y
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:	Y
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:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Occupied by 11,000 SF building that is currently vacant. Recently used for auto maintenance and landscape equipment storage. Historically used as lumber mill and machine shop.
Below Poverty Number:	525
Below Poverty Percent:	22.81
Meidan Income:	4530
Meidan Income Number:	1078
Meidan Income Percent:	46.83
Vacant Housing Number:	176
Vacant Housing Percent:	12.76

211 MAIN STREET PROPERTY, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

Unemployed Number:	125
Unemployed Percent:	5.43
Name:	211 MAIN STREET PROPERTY
Address:	211 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	R2 TBA - New York (STAG Funded)
Grant Type:	TBA
Property Number:	185.05-1-80.21
Parcel size:	1
Latitude:	43.027721
Longitude:	-78.878277
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:	204481
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	9953
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - TBA Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	n/a
Start Date:	2/20/2015
Ownership Entity:	Private
Completion Date:	8/27/2015
Current Owner:	Enterprise Lumber & Silo LLC
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-

211 MAIN STREET PROPERTY, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

IC in place date:	-
IC in place:	N
State/tribal program date:	5/15/2018
State/tribal program ID:	C932171
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
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:	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:	1
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	1
Future use industrial acreage:	-
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	-
Cadmium cleaned up:	-

211 MAIN STREET PROPERTY, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

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:	Y
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:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Occupied by 11,000 SF building that is currently vacant. Recently used for auto maintenance and landscape equipment storage. Historically used as lumber mill and machine shop.
Below Poverty Number:	525
Below Poverty Percent:	22.81
Meidan Income:	4530
Meidan Income Number:	1078
Meidan Income Percent:	46.83
Vacant Housing Number:	176
Vacant Housing Percent:	12.76
Unemployed Number:	125
Unemployed Percent:	5.43
Name:	211 MAIN STREET PROPERTY
Address:	211 MAIN STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	County of Niagara New York
Grant Type:	BCRLF
Property Number:	185.05-1-80.21
Parcel size:	1
Latitude:	43.027721
Longitude:	-78.878277
HCM Label:	Address Matching-House Number

211 MAIN STREET PROPERTY, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	204481
IC Data Access:	-
Start Date:	5/15/2018
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	400000
Cleanup Funding Source:	EPA
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	Brownfields RLF Grant Funds Loaned
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	96270616
Start Date:	-
Ownership Entity:	Private
Completion Date:	-
Current Owner:	Enterprise Lumber & Silo LLC
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	5/15/2018
State/tribal program ID:	C932171
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-

211 MAIN STREET PROPERTY, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

Groundwater cleaned:	-
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:	1
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	1
Future use industrial acreage:	-
Superfund Fed. landowner flag:	Y
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:	Y
Cadmium contaminant found:	-
Chromium contaminant found:	-

211 MAIN STREET PROPERTY, 211 MAIN STREET, NORTH TONAWANDA, NY 14120 (Continued)

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:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	Occupied by 11,000 SF building that is currently vacant. Recently used for auto maintenance and landscape equipment storage. Historically used as lumber mill and machine shop.
Below Poverty Number:	525
Below Poverty Percent:	22.81
Meidan Income:	4530
Meidan Income Number:	1078
Meidan Income Percent:	46.83
Vacant Housing Number:	176
Vacant Housing Percent:	12.76
Unemployed Number:	125
Unemployed Percent:	5.43

JACKS HAMBLETON STATION 250 MAIN ST, N TONAWANDA, NY, 14120			1021129455
▲ 11	NNW <1/10	(157 ft. / 0.03 mi.)	EDR Exclusive Records
	Equal Elevation	571 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC does not exist

Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES

Groundwater Flow Gradient:

Hydrogeologically: YES

Topographically: YES

Crossgradient: YES

Geological Attributes - Hydraulic Barrier:

Other: YES

EDR Hist Auto: EDR Exclusive Records

Year:	Name: / Type:

JACKS HAMBLETON STATION, 250 MAIN ST, N TONAWANDA, NY 14120 (Continued)

1969:	JACKS HAMBLETON STATION / Gasoline Service Stations
1970:	JACKS HAMBLETON STATION / Gasoline Service Stations
1971:	JACKS HAMBLETON STATION / Gasoline Service Stations
1971:	ZILICH RONALD / Gasoline Service Stations
1996:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
1997:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
1998:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
1999:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
2000:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
2001:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
2002:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
2003:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
2004:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
2005:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
2006:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
2007:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
2008:	FAST LANE SERVICE ISLAND INC / Exterior Repair Services
2009:	FAST LANE SERVICE ISLAND INC / Automotive Repair Shops, NEC
2010:	FAST LANE SERVICE ISLAND INC / Automotive Repair Shops, NEC
2011:	FAST LANE SERVICE ISLAND INC / Automotive Repair Shops, NEC
2012:	FAST LANE SERVICE ISLAND INC / Automotive Repair Shops, NEC
2013:	FAST LANE SERVICE ISLAND INC / Automotive Repair Shops, NEC
2014:	FAST LANE SERVICE ISLAND INC / Automotive Repair Shops, NEC

NOCO MOTOR FUELS INC 139 MAIN ST, NORTH TONAWANDA, NY, 14120		1021030395
▲ E12	SE <1/10 (344 ft. / 0.065 mi.)	EDR Exclusive Records
	3 ft. Higher Elevation 574 ft. Above Sea Level	

Worksheet:

EDR Hist Auto: EDR Exclusive Records

Year:	Name: / Type:
1969:	PRESTO-FLITE INC / Gasoline Service Stations
1970:	PRESTO-FLITE INC / Gasoline Service Stations
1975:	PRESTO-FLITE INC / Gasoline Service Stations
1976:	PRESTO-FLITE INC / Gasoline Service Stations
1977:	PRESTO-FLITE INC / Gasoline Service Stations
1987:	NOCO ENERGY CORP / Gasoline Service Stations
1987:	NOCO HOME HEAT INC / Gasoline Service Stations
1988:	NOCO MOTOR FUELS INC / Gasoline Service Stations
1989:	NOCO MOTOR FUELS INC / Gasoline Service Stations, NEC
1990:	NOCO MOTOR FUELS INC / Gasoline Service Stations, NEC
1991:	NOCO MOTOR FUELS INC / Gasoline Service Stations, NEC
1992:	NOCO MOTOR FUELS INC / Gasoline Service Stations, NEC
1993:	NOCO MOTOR FUELS INC / Gasoline Service Stations, NEC
1998:	NOCO ENERGY CORP / Gasoline Service Stations, NEC

NOCO MOTOR FUELS INC, 139 MAIN ST, NORTH TONAWANDA, NY 14120 (Continued)

2014:	GULF EXPRESS MART / Gasoline Service Stations, NEC

PRESTO-FLITE INC 129 MAIN ST, N TONAWANDA, NY, 14120			1020719458
▲ E13	SE <1/10	(429 ft. / 0.081 mi.)	EDR Exclusive Records
	3 ft. Higher Elevation	574 ft. Above Sea Level	

Worksheet:

EDR Hist Auto: EDR Exclusive Records

Year:	Name: / Type:
1971:	PRESTO-FLITE INC / Gasoline Service Stations
1972:	PRESTO-FLITE INC / Gasoline Service Stations
1973:	PRESTO-FLITE INC / Gasoline Service Stations
1974:	PRESTO-FLITE INC / Gasoline Service Stations

ROYAL OAK RECYCLING 22 MECHANIC STREET, NORTH TONAWANDA, NY, 14120			S105838267
▲ 14	ESE 1/10 - 1/3	(620 ft. / 0.117 mi.)	Local Lists of Landfill / Solid Waste Disposal Sites Records of Emergency Release Reports
	4 ft. Higher Elevation	575 ft. Above Sea Level	

Worksheet:

SWRCY: Local Lists of Landfill / Solid Waste Disposal Sites

Name:	ROYAL OAK RECYCLING
Address:	22 MECHANIC STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Region:	9
Facility Address 2:	Not Reported
Phone Number:	7166923448
Owner Type:	Private
Owner Name:	Habib Mamou
Owner Address:	313 East Hudson
Owner Address 2:	Not Reported
Owner City,St,Zip:	Royal Oak, MI 48067
Owner Email:	hmamou@rorecycling.com
Owner Phone:	2485916580
Contact Name:	Scott Hurd
Contact Address:	22 Mechanic St
Contact Address 2:	Not Reported
Contact City,St,Zip:	North Tonawanda, NY 14120
Contact Email:	shurd@rorecycling.com
Contact Phone:	7162250417
Activity Desc:	RHRF - registration
Activity Number:	[32M07]
Active:	No

ROYAL OAK RECYCLING, 22 MECHANIC STREET, NORTH TONAWANDA, NY 14120 (Continued)

East Coordinate:	184098
North Coordinate:	4770956
Accuracy Code:	4.3 - Utilization of Digital Orthophoto Quads
Regulatory Status:	Registration
Permit #:	Not Reported
Auth. Date:	Not Reported
Expiration Date:	Not Reported
Waste Types:	Paperboard/Boxboard;Newspaper;Plastics;Metals (Ferrous);Metals (Non-Ferrous);Electronics
Operator Name:	Scott Hurd
Operator Type:	Private
Last Date:	10/29/2019
Name:	ROYAL OAK RECYCLING
Address:	22 MECHANIC STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Region:	9
Facility Address 2:	Not Reported
Phone Number:	7166923448
Owner Type:	Private
Owner Name:	Habib Mamou
Owner Address:	313 East Hudson
Owner Address 2:	Not Reported
Owner City,St,Zip:	Royal Oak, MI 48067
Owner Email:	hmamou@rorecycling.com
Owner Phone:	2485916580
Contact Name:	Scott Hurd
Contact Address:	22 Mechanic St
Contact Address 2:	Not Reported
Contact City,St,Zip:	North Tonawanda, NY 14120
Contact Email:	shurd@rorecycling.com
Contact Phone:	7162250417
Activity Desc:	RHRF - greater than 5 tpd - registration
Activity Number:	[32R20021]
Active:	Yes
East Coordinate:	183518
North Coordinate:	4771359
Accuracy Code:	4 - GIS Assisted
Regulatory Status:	Registration
Permit #:	32R20021
Auth. Date:	12/5/2019
Expiration Date:	12/4/2024
Waste Types:	Newspaper;Office Paper;Paperboard/Boxboard;Other Aluminum Scrap Metal;Other Ferrous Scrap Metal;Other Non-Ferrous Scrap Metal;Plastic
Operator Name:	Scott Hurd
Operator Type:	Private
Last Date:	Not Reported

SPILLS: Records of Emergency Release Reports

Name:	GREAT LAKES RECYCLING
Address:	22 MECHANIC ST

ROYAL OAK RECYCLING, 22 MECHANIC STREET, NORTH TONAWANDA, NY 14120 (Continued)

City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	1204833 / 2012-09-17
Facility ID:	1204833
Facility Type:	ER
DER Facility ID:	422042
Site ID:	467736
DEC Region:	9
Spill Cause:	Human Error
Spill Class:	C3
SWIS:	3212
Spill Date:	2012-08-14
Investigator:	SACALAND
Referred To:	Not Reported
Reported to Dept:	2012-08-14
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:	2012-08-14
Spill Record Last Update:	2012-09-18
Spiller Name:	TARIN LACEY
Spiller Company:	GREAT LAKES RECYCLING
Spiller Address:	22 MECHANIC ST
Spiller Company:	999
Contact Name:	TARIN LACEY
DEC Memo:	"8/14/12:SAC INSPECT SITE. MET W/JON GREENE, TARYN LACEY, & LARRY FROM GREAT LAKES RECYCLING. TOTE OF SHAVINGS AND OIL TIPPED OVER INSIDE OF THE TRUCK. PRODUCT LEAKED THROUGH THE WOOD FLOORBED AND ONTO PAVEMENT. KITTY LITTER WAS USED TO ABSORB PRODUCT ON THE PAVEMENT. ONCE THEY EMPTY THE TRUCK, THEY WILL CLEAN UP THE TRUCK BED. 8/15/12:DRAFTED DISPOSAL OPTION LETTER. 9/17/12:RECEIVED DISPOSAL RECEIPT. NO FURTHER WORK IS REQUIRED."
Remarks:	"loss onto pavement due to shift in shipment during transport,not contained, c/u pending"

All Materials:

Site ID:	467736
Operable Unit ID:	1217679
Operable Unit:	01
Material ID:	2215973
Material Code:	0007
Material Name:	cutting oil

ROYAL OAK RECYCLING, 22 MECHANIC STREET, NORTH TONAWANDA, NY 14120 (Continued)

Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	55.00
Units:	G
Recovered:	Not Reported
Oxygenate:	Not Reported

TONDISCO INC 80 THOMPSON ST, NORTH TONAWANDA, NY, 14120		U001327849	
▲ 15	NE 1/10 - 1/3	(705 ft. / 0.133 mi.)	State and tribal leaking storage tank lists State and tribal registered storage tank lists
	3 ft. Higher Elevation	574 ft. Above Sea Level	

Worksheet:

LTANKS: State and tribal leaking storage tank lists

Name:	CORNELIUS INDUSTRIES INC
Address:	80 THOMPSON STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	0275414 / 2002-12-09
Facility ID:	0275414
Site ID:	146012
Spill Date:	2002-11-01
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not Reported
SWIS:	3212
Investigator:	SACALAND
Referred To:	NIAGARA CNTY HEALTH DEPT
Reported to Dept:	2002-11-14
CID:	Not Reported
Water Affected:	Not Reported
Spill Notifier:	Other
Last Inspection:	2002-11-22
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2002-11-15
Spill Record Last Update:	2002-12-09
Spiller Name:	Not Reported
Spiller Company:	CORNELIUS INDUSTRIES
Spiller Address:	80 THOMPSON STREET
Spiller County:	001
Spiller Contact:	MR. KERRY CORNELIUS
Spiller Phone:	Not Reported
Spiller Extention:	Not Reported

TONDISCO INC, 80 THOMPSON ST, NORTH TONAWANDA, NY 14120 (Continued)

DEC Region:	9
DER Facility ID:	124355
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC-NCHD 11/20/02:SAC TELECON SCOTT OVERHOFF, THEY ARE GOING TO START WORK TOMORROW, AREA WAS THE SITE WHERE A 5,000 GALLON DIESEL TANK WAS LOCATED, RESULTS FROM LAB ANALYSIS HAVE NOT COME BACK YET BUT OWNER WANTS CLEANUP WORK TO BEGIN ASAP, MR. OVERHOFF ANTICIPATES WORK WILL BE COMPLETED BY 10:30/11:00 am TOMORROW, HE WILL BE TAKING BOTTOM SAMPLES AND FOUR SEPARATE SIDE SAMPLES. 11/20/02:SAC TELECON PAUL DICKY - NCHD NOTIFYING HIM OF THE WORK AND THE NEED TO INSPECT TOMORROW AT 10:30, MR. DICKY WILL FOLLOW UP, FAXED COPY OF REPORT TO HIM. 11/21/02:SAC TELECON SCOTT OVERHOFF - THEY ARE IN THE PROCESS OF EXCAVATING THE AREA OUT BUT WATER IS RUNNING INTO THE EXCAVATION, THEY ARE ARRANGING TO HAVE A VACUUM TRUCK COME TO THE SITE AND REMOVE THE WATER, MR. OVERHOFF SAID THE WATER DOES HAVE A SHEEN BUT IT PROBABLY IS FROM IT CONTACTING THE CONTAMINATED SOIL THAT REMAINS IN THE EXCAVATION. 11/25/02:SAC TELECON PAUL DICKY, MR. DICKY INSPECTED SITE AND WAS SATISFIED WITH THE CLEANUP THAT WAS DONE, WILL WAIT FOR SAMPLE RESULTS. 11/26/02:RECEIVED NCHD INSPECTION REPORT FROM PAUL DICKY. 11/27/02:RECEIVED SITE INVESTIGATION SUMMARY REPORT FROM HAZARD EVALUATIONS, SAMPLES TAKEN FROM BOTTOM AND ALL 4 SIDES OF EXCAVATION, ALL SAMPLES WERE ANALYZED INDIVIDUALLY, ALL FIVE ANALYTICAL RESULTS WERE NON DETECT FOR 8021 & 8270, GROUNDWATER ANALYTICAL RESULTS WERE ALSO NON DETECT, CONTAMINATED LAYER BEGAN AT 6 TO 7 FT, GRAVEL LAYER FOUND AT 8 FT., EXCAVATION CONTINUED DOWN TO 10 TO 12 FT., FIELD SCREENING OF WALLS AT GRAVEL LAYER AT 8 FT TOOK PLACE WHERE HIGHEST READING RECORDED WAS 6.9 ppm, BOTTOM SAMPLES WERE FROM THE CLAY LAYER 10 TO 12 FT WHERE HIGHEST READING WAS 14.8 ppm, APPROXIMATE EXCAVATION DIMENSIONS WERE 25'x 15'x 10', 165 TONS OF SOIL AND 3,700 GALLONS OF WATER WAS DISPOSED, THERE WAS NO MENTION OF ODORS BEING OBSERVED IN THE EXCAVATION, NO DISPOSAL RECEIPTS WERE INCLUDED IN REPORT. 12/6/02:RECEIVED DISPOSAL RECEIPTS FOR 165 TONS OF CONTAMINATED SOIL. 12/9/02:RECEIVED DISPOSAL RECEIPT FOR THE CONTAMINATED WATER, NO FURTHER WORK REQUIRED, DRAFTED CLOSURE LETTER, GAVE FILE TO JAA FOR REVIEW."
Remarks:	"DURING PHASE II INVESTIGATION, SOIL BORING SAMPLES HAD HIGH PID LEVELS NEAR WHERE UST WAS REMOVED IN '86. SAMPLE ANALYTICAL RESULTS TO BE BACK IN 5-6 DAYS. ENV. AUDITS, INC. TO REMEDIATE SITE. ANOTHER

TONDISCO INC, 80 THOMPSON ST, NORTH TONAWANDA, NY 14120 (Continued)

ENVIRONMENTAL AUDITS CONTACT IS SCOTT OVERHOFF."

All Materials:

Site ID:	146012
Operable Unit ID:	868104
Operable Unit:	01
Material ID:	507777
Material Code:	0008
Material Name:	diesel
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not Reported
Name:	TONDISCO
Address:	80 THOMPSON STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8709613 / 1988-02-25
Facility ID:	8709613
Site ID:	146013
Spill Date:	1988-02-10
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not Reported
Cleanup Ceased:	1988-02-25
SWIS:	3212
Investigator:	COOKE
Referred To:	Not Reported
Reported to Dept:	1988-02-10
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:	1988-02-19
Spill Record Last Update:	1988-07-13
Spiller Name:	Not Reported
Spiller Company:	TONDISCO
Spiller Address:	80 THOMPSON STREET
Spiller County:	001
Spiller Contact:	Not Reported
Spiller Phone:	Not Reported
Spiller Extention:	Not Reported
DEC Region:	9
DER Facility ID:	124355

TONDISCO INC, 80 THOMPSON ST, NORTH TONAWANDA, NY 14120 (Continued)

DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 02/10/88: JDC TELECON 02/10/88, TANK TO BE ISOLATED AND RETESTED. 02/22/88: JDC TELECON 02/22/88, TANK RETESTED TIGHT, HOLD FOR RESULTS. 02/25/88: JDC RECEIVED TEST TANK RETEST RESULTS, TANK TIGHT, NO FURTHER ACTION REQUIRED. 02/26/88: JDC RECEIVED RETEST PAPERWORK FROM ELMWOOD SHOWING TANK TO BE SOUND. NO FURTHER ACTION REQUIRED AT THIS TIME. "
Remarks:	"2000 GALLON TANK, FAILURE RATE 1.138 GPH"

All TTF:

Facility ID:	8709613
Spill Number:	8709613
Spill Tank Test:	1533227
Site ID:	146013
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:	146013
Operable Unit ID:	915041
Operable Unit:	01
Material ID:	461410
Material Code:	0008
Material Name:	diesel
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not Reported

UST: State and tribal registered storage tank lists

Name:	TONDISCO INC
Address:	80 THOMPSON ST
City,State,Zip:	NORTH TONAWANDA, NY 14120

TONDISCO INC, 80 THOMPSON ST, NORTH TONAWANDA, NY 14120 (Continued)

Id/Status:	9-223050 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	184131.20267
UTM Y:	4771319.95110
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	53126
Affiliation Type:	Facility Owner
Company Name:	TONDISCO INC
Contact Type:	Not Reported
Contact Name:	Not Reported
Address1:	80 THOMPSON ST
Address2:	Not Reported
City:	NORTH TONAWANDA
State:	NY
Zip Code:	14120
Country Code:	001
Phone:	(716) 692-7700
EMail:	Not Reported
Fax Number:	Not Reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53126
Affiliation Type:	Mail Contact
Company Name:	TONDISCO INC
Contact Type:	Not Reported
Contact Name:	EDWARD K. ZUCHOWSKI
Address1:	80 THOMPSON ST
Address2:	P.O.BOX 828
City:	NORTH TONAWANDA
State:	NY
Zip Code:	14120
Country Code:	001
Phone:	(716) 692-7700
EMail:	Not Reported
Fax Number:	Not Reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53126
Affiliation Type:	Facility Operator
Company Name:	TONDISCO INC
Contact Type:	Not Reported
Contact Name:	TONDISCO INC
Address1:	Not Reported
Address2:	Not Reported

TONDISCO INC, 80 THOMPSON ST, NORTH TONAWANDA, NY 14120 (Continued)

City:	Not Reported
State:	NN
Zip Code:	Not Reported
Country Code:	001
Phone:	(716) 692-7700
EMail:	Not Reported
Fax Number:	Not Reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04
Site Id:	53126
Affiliation Type:	Emergency Contact
Company Name:	TONDISCO INC
Contact Type:	Not Reported
Contact Name:	EDWARD K ZUCHOWSKI
Address1:	Not Reported
Address2:	Not Reported
City:	Not Reported
State:	NN
Zip Code:	Not Reported
Country Code:	001
Phone:	(716) 693-3611
EMail:	Not Reported
Fax Number:	Not Reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	1
Tank ID:	164463
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	5000
Install Date:	06/01/1968
Date Tank Closed:	Not Reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
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

TONDISCO INC, 80 THOMPSON ST, NORTH TONAWANDA, NY 14120 (Continued)

B00 - Tank External Protection - None

C00 - Pipe Location - No Piping

F00 - Pipe External Protection - None

H00 - Tank Leak Detection - None

I00 - Overfill - None

D00 - Pipe Type - No Piping

G00 - Tank Secondary Containment - None

J02 - Dispenser - Suction Dispenser

Tank Number:	2
Tank ID:	164464
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	1000
Install Date:	06/01/1974
Date Tank Closed:	Not Reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
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:

C00 - Pipe Location - No Piping

F00 - Pipe External Protection - None

B00 - Tank External Protection - None

D00 - Pipe Type - No Piping

A00 - Tank Internal Protection - None

H00 - Tank Leak Detection - None

I00 - Overfill - None

J02 - Dispenser - Suction Dispenser

G00 - Tank Secondary Containment - None

Tank Number:	4
Tank ID:	164465
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	10000

TONDISCO INC, 80 THOMPSON ST, NORTH TONAWANDA, NY 14120 (Continued)

Install Date:	06/01/1979
Date Tank Closed:	07/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	03
Date Test:	08/01/1997
Next Test Date:	Not Reported
Pipe Model:	Not Reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

F00 - Pipe External Protection - None

D00 - Pipe Type - No Piping

A00 - Tank Internal Protection - None

B01 - Tank External Protection - Painted/Asphalt Coating

H00 - Tank Leak Detection - None

I00 - Overfill - None

J02 - Dispenser - Suction Dispenser

C02 - Pipe Location - Underground/On-ground

G00 - Tank Secondary Containment - None

Tank Number:	5
Tank ID:	164466
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	06/01/1981
Date Tank Closed:	07/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	03
Date Test:	08/01/1997
Next Test Date:	Not Reported
Pipe Model:	Not Reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

B04 - Tank External Protection - Fiberglass

TONDISCO INC, 80 THOMPSON ST, NORTH TONAWANDA, NY 14120 (Continued)

H00 - Tank Leak Detection - None

I00 - Overfill - None

A03 - Tank Internal Protection - Fiberglass Liner (FRP)

F00 - Pipe External Protection - None

D00 - Pipe Type - No Piping

C02 - Pipe Location - Underground/On-ground

G00 - Tank Secondary Containment - None

J02 - Dispenser - Suction Dispenser

CALAMAR CONSTRUCTION MGMT INC 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY, 14120		1006810592
▲ H16	E 1/10 - 1/3 (714 ft. / 0.135 mi.) 3 ft. Higher Elevation 574 ft. Above Sea Level	Federal RCRA generators list State and tribal leaking storage tank lists Records of Emergency Release Reports Other Ascertainable Records

Worksheet:

RCRA-VSQG: Federal RCRA generators list

Date Form Received by Agency:	2010-06-21 00:00:00.0
Handler Name:	CALAMAR CONSTRUCTION MGMT INC
Handler Address:	190 OLIVER ST SUITE 100
Handler City,State,Zip:	NORTH TONAWANDA, NY 14120
EPA ID:	NYR000114033
Contact Name:	WILLIAM KELLER
Contact Address:	COMMERCE CT SUITE 800
Contact City,State,Zip:	WHEATFIELD, NY 14120-2094
Contact Telephone:	716-693-0006
Contact Fax:	Not Reported
Contact Email:	Not Reported
Contact Title:	Not Reported
EPA Region:	02
Land Type:	Private
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 R9
Mailing Address:	COMMERCE CT SUITE 800
Mailing City,State,Zip:	WHEATFIELD, NY 14120-2094
Owner Name:	THE RE KRUG CORP
Owner Type:	Private
Operator Name:	CALAMAR CONSTRUCTION MGMT INC
Operator Type:	Private

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

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

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

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:	THE RE KRUG CORP
Legal Status:	Private
Date Became Current:	2003-03-06 00:00:00.
Date Ended Current:	Not Reported
Owner/Operator Address:	190 OLIVER ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner/Operator Telephone:	716-692-2305
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE RE KRUG CORP
Legal Status:	Private
Date Became Current:	2003-03-06 00:00:00.
Date Ended Current:	Not Reported
Owner/Operator Address:	190 OLIVER ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner/Operator Telephone:	716-692-2305
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CALAMAR CONSTRUCTION MGMT INC
Legal Status:	Private
Date Became Current:	2003-03-06 00:00:00.
Date Ended Current:	Not Reported

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

Owner/Operator Address:	190 OLIVER ST SUITE 100
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner/Operator Telephone:	716-693-0006
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CALAMAR CONSTRUCTION MGMT INC
Legal Status:	Private
Date Became Current:	2003-03-06 00:00:00.
Date Ended Current:	Not Reported
Owner/Operator Address:	190 OLIVER ST SUITE 100
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner/Operator Telephone:	716-693-0006
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE RE KRUG CORP
Legal Status:	Private
Date Became Current:	2003-03-06 00:00:00.
Date Ended Current:	Not Reported
Owner/Operator Address:	190 OLIVER ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner/Operator Telephone:	716-692-2305
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CALAMAR CONSTRUCTION MGMT INC
Legal Status:	Private
Date Became Current:	2003-03-06 00:00:00.
Date Ended Current:	Not Reported
Owner/Operator Address:	190 OLIVER ST SUITE 100
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner/Operator Telephone:	716-693-0006
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Historic Generators:

Receive Date:	2006-01-01 00:00:00.0
Handler Name:	CALAMAR CONSTRUCTION MGMT 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

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

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:	CALAMAR CONSTRUCTION MGMT 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:	2010-06-21 00:00:00.0
Handler Name:	CALAMAR CONSTRUCTION MGMT 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:	2003-03-06 00:00:00.0
Handler Name:	CALAMAR CONSTRUCTION MGMT 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:	23332
NAICS Description:	COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

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:	2010-06-02 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	NYKHE

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

Evaluation Responsible Sub-Organization:	R9
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: State and tribal leaking storage tank lists

Name:	KRUGS GLAZING SERVICE
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	0275365 / 2003-01-21
Facility ID:	0275365
Site ID:	318135
Spill Date:	2002-10-16
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	E5
Cleanup Ceased:	Not Reported
SWIS:	3212
Investigator:	SACALAND
Referred To:	Not Reported
Reported to Dept:	2002-10-16
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:	2002-10-16
Spill Record Last Update:	2003-04-02
Spiller Name:	DAN SAUNDERS
Spiller Company:	KRUGS GLAZING SERVICE INC
Spiller Address:	190 OLIVER ST.
Spiller County:	001
Spiller Contact:	DAN SAUNDERS
Spiller Phone:	(716) 692-2305
Spiller Extention:	Not Reported
DEC Region:	9
DER Facility ID:	262558
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 10/21/02:SENT RE-TEST/REMOVAL OPTION LETTER. 12/12/02:THERE HAS BEEN NO NOTIFICATION IF TANK IS TO BE REMOVED OR RE-TESTED, DRAFTED NO RESPONSE LETTER, RESPONSE REQUESTED BY 12/31/02. 12/16/02:SAC

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

TELECON DAN SAUNDERS - KRUGS GLAZING SERVICE, HE SPOKE TO TESTING SERVICE AND THEY TOLD HIM THERE COULD BE A PROBLEM WITH THE PUMP AND DISPENSER WHICH MAY BE CAUSING THE FAILURE, HE WILL BE REMOVING THE PUMP ON 12/18 AND CAPPING THE PIPING IN ORDER TO ISOLATE THE SYSTEM, HE WILL THEN CONTACT THE TESTING COMPANY TO SCHEDULE THE RE-TEST IN THE NEXT COUPLE OF WEEKS, IF THE RE-TEST FAILS THEN THEY WILL SCHEDULE THE REMOVAL OF THE TANK. 12/24/02:SAC TELECON DAN SAUNDERS, MR. SAUNDERS SAID HE REMOVED THE PUMP AND HAS ARRANGED FOR THE TANK TESTING ON 12/27/02. 12/27/02:SAC TELECON DAN SAUNDERS, MR. SAUNDERS SAID THAT PRIME TIME SERVICES RE-TESTED THE TANK THIS MORNING AND IT PASSED THE TEST, PRIME TIME SERVICES WILL BE SENDING THE TEST RESULTS DIRECTLY TO DEC, ONCE RESULTS ARE RECEIVED SPILL WILL BE CLOSED. 1/8/03:SAC RECEIVED PHONE MESSAGE FROM DAN SAUNDERS, MR. SAUNDERS SAID THAT PRIMETIME SERVICES WILL BE SENDING OUT THE RE-TEST REPORT THIS WEEK AND SAC SHOULD HAVE IT BY THE END OF THE WEEK WHICH IS 1/10/03. 1/21/03:PBS RECEIVED PASSING TANK TIGHTNESS TEST RESULTS, COPY MADE FOR SPILL FILE, NO FURTHER WORK IS REQUIRED."

Remarks: "SUSPECT PIPING ABOVE THE TANK. WAITING TO HERE BACK FROM CLIENT ON WHETHER THEY WILL REPAIR AND RETEST. LEAVING THE SITE NOW. TEST METHOD IS HORNER EZY 3 LOCATOR PLUS. WHEN ASKED TO PROVIDE LEAK RATE, INDICATED METHOD WAS ONLY PASS OR FAIL. "

All TTF:

Facility ID:	0275365
Spill Number:	0275365
Spill Tank Test:	1528213
Site ID:	318135
Tank Number:	001
Tank Size:	6000
Material:	0008
EPA UST:	Not Reported
UST:	Not Reported
Cause:	Not Reported
Source:	Not Reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not Reported
Modified By:	Spills
Last Modified Date:	Not Reported

All Materials:

Site ID:	318135

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

Operable Unit ID:	865744
Operable Unit:	01
Material ID:	507724
Material Code:	0008
Material Name:	diesel
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not Reported

SPILLS: Records of Emergency Release Reports

Name:	GENESIS INDUSTRIAL TRUCK
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8910176 / 1990-02-05
Facility ID:	8910176
Facility Type:	ER
DER Facility ID:	262558
Site ID:	325935
DEC Region:	9
Spill Cause:	Housekeeping
Spill Class:	Not Reported
SWIS:	3212
Spill Date:	1990-01-11
Investigator:	COOKE
Referred To:	Not Reported
Reported to Dept:	1990-01-11
CID:	Not Reported
Water Affected:	Not Reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	1990-02-05
Cleanup Meets Std:	True
Last Inspection:	1990-02-05
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1990-02-02
Spill Record Last Update:	1990-03-01
Spiller Name:	Not Reported
Spiller Company:	GENESIS INDUST TRUCK CO
Spiller Address:	190 OLIVER STREET
Spiller Company:	001
Contact Name:	Not Reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 01/17/90: SPILLER WAS REQUESTED TO CLEANUP SPILL AREA AND MAKE

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

PROVISIONS TO REMOVE SPILL POTENTIAL. 02/02/90: RECD DISPOSAL AND CLEANUP DOCUEMENTATION, WILL INSPECT SITE. 02/05/90: INSPECTED SITE AND FOUND CLEANUP SATISFACTORY. NO FURTHER ACTION WILL BE REQUIRED. REFERRED TANK SITUATION OVER TO JIM STACK, PBS PROGRAM FOR FOLLOW UP. "

Remarks: "SLOPPY HOUSEKEEP CAUSING WASTE OILS TO ENTER SEWERS"

All Materials:

Site ID:	325935
Operable Unit ID:	935258
Operable Unit:	01
Material ID:	443294
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	5.00
Oxygenate:	Not Reported

Name:	VSA INC. TRUCK
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	8910777 / 1990-03-07
Facility ID:	8910777
Facility Type:	ER
DER Facility ID:	262558
Site ID:	325936
DEC Region:	9
Spill Cause:	Equipment Failure
Spill Class:	Not Reported
SWIS:	3212
Spill Date:	1990-02-12
Investigator:	COOKE
Referred To:	Not Reported
Reported to Dept:	1990-02-12
CID:	Not Reported
Water Affected:	Not Reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	1990-03-07
Cleanup Meets Std:	True
Last Inspection:	Not Reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1990-02-22

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

Spill Record Last Update:	1990-03-14
Spiller Name:	Not Reported
Spiller Company:	VENDORS SUPPLY
Spiller Address:	9300 DUTTON DRIVE
Spiller Company:	001
Contact Name:	Not Reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 02/12/90: RNL CONTACTED M VAUGH, NCHD TO INVESTIGATE. 03/07/90: REVIEWED FILE, NO FURTHER ACTION WILL BE REQUIRED OF THIS UNIT. "
Remarks:	"FUEL LINE RUPTURED. REPAIRS MADE BY LAUGHLINS TOW SERVICE."

All Materials:

Site ID:	325936
Operable Unit ID:	936288
Operable Unit:	01
Material ID:	440336
Material Code:	0008
Material Name:	diesel
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	10.00
Units:	G
Recovered:	10.00
Oxygenate:	Not Reported

Name:	DOLLAR BILL'S TOWING
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9302438 / 1994-01-26
Facility ID:	9302438
Facility Type:	ER
DER Facility ID:	262558
Site ID:	325937
DEC Region:	9
Spill Cause:	Vandalism
Spill Class:	C3
SWIS:	3212
Spill Date:	1993-05-20
Investigator:	SACALAND
Referred To:	Not Reported
Reported to Dept:	1993-05-21
CID:	Not Reported
Water Affected:	Not Reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	1994-01-26
Cleanup Meets Std:	True
Last Inspection:	1993-05-21
Recommended Penalty:	False

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1993-05-24
Spill Record Last Update:	1994-01-31
Spiller Name:	Not Reported
Spiller Company:	DOLLAR BILL'S TOWING
Spiller Address:	190 OLIVER STREET
Spiller Company:	001
Contact Name:	Not Reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 05/21/93: SAC/BOB BUZZELLI, NCHD/TELECON - HE WILL FOLLOW UP. 01/14/94: 1/7/94 NCHD MEETING,NCHD WILL SEND REPORT. 01/26/94: RECEIVED INCIDENT REPORT FROM NCHD. 09/29/95: This is additional information about material spilled from the translation of the old spill file: MINERAL SPIRITS."
Remarks:	"TOWING SERVICE BROKEN INTO"
Name:	R.E. KRUG AND TREAD CITY TIRE SITE
Address:	190 OLIVER ST
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	1201437 / Not Reported
Facility ID:	1201437
Facility Type:	ER
DER Facility ID:	418545
Site ID:	464144
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	B1
SWIS:	3212
Spill Date:	2012-05-14
Investigator:	SACALAND
Referred To:	Not Reported
Reported to Dept:	2012-05-14
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:	2012-05-14
Spill Record Last Update:	2019-05-15
Spiller Name:	RICHARD AND LORRAINE KRUG
Spiller Company:	RICHARD AND LORRAINE KRUG
Spiller Address:	190 OLIVER ST
Spiller Company:	999

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

Contact Name: JOE MECCA

DEC Memo: "5/15/12:SAC CALLED JOE MECCA - RJS ENVIRO. LEFT MESSAGE FOR A CALLBACK. 5/16/12:SAC TELECON JOE MECCA. MR. MECCA SAID THEY COMPLETED THE PHASE II WORK YESTERDAY. THERE WERE BORINGS THAT HAD DEFLECTIONS ON PID METER AND ODORS. MR. MECCA SAID HE BELIEVES THEY ARE WORKING FOR THE BANK OF THE PROSPECTIVE PURCHASER. HE ANTICIPATES SUBMITTING THE REPORT TO DEC IN A FEW WEEKS. 6/11/12:RECEIVED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT DATED 5/31/12 FROM RJS ENVIRONMENTAL. 6/15/12:SAC TELECON PAUL DICKY - NCHD REGARDING PROPERTY OWNERSHIP. ACCORDING TO RECORDS, PROPERTY IS OWNED BY RICHARD AND LORRAINE KRUG. 6/18/12:DRAFTED COMMENT LETTER BASED ON PHASE II SITE ASSESSMENT. REQUESTED WORK PLAN BY 7/31/12. 6/20/12:SAC TELECON TRACY MONTELEONE - R.E. KRUG, INC. 692-2305 EXT. 295. MS. MONTELEONE SAID THAT THE BUSINESS OWNERSHIP IS NOW W/ERIK CHRETIEN BUT THAT THE PROPERTY IS STILL OWNED BY MR. & MRS. KRUG. THE REASON FOR THE PHASE I AND PHASE II WORK IS BECAUSE MR. CHRETIEN IS LOOKING TO PURCHASE THE PROPERTY AND THE BUILDINGS. THEY HAVE NOT RECEIVED A COPY OF THE PHASE II REPORT. SAC SENT ONE TO HER. MS. MONTELEONE SAID SHE WILL BEGIN TO SEARCH FOR CONTRACTORS TO DO THE WORK. 7/19/12:SAC TELECON TRACY MONTELEONE. MS. MONTELEONE SAID SHE HAS THE BIDS FOR THE WORK. HOWEVER, THE OWNER OF THE BUILDING IS NEGOTIATING WITH THE BANK AND SHE DOES NOT BELIEVE THE WORK PLAN WILL BE SUBMITTED BY THE 31ST OF THIS MONTH. SHE DOES NOT HAVE AN INDICATION WHEN IT MIGHT BE SUBMITTED. 8/8/12:NO WORK PLAN OR RESPONSE RECEIVED FROM PROPERTY OWNERS. SENT LETTER REQUESTING RESPONSE BY 9/28/12. 10/23/12:NO WORK PLAN OR RESPONSE FROM PROPERTY OWNER. SENT LETTER REQUESTING RESPONSE BY 11/30/12 OR WILL REFER TO NYSDEC OFFICE OF GENERAL COUNSEL. 10/31/12:RECEIVED RETURNED LETTER SENT TO 190 OLIVER ST. SAME LETTER WAS SENT TO FLORIDA ADDRESS. SAC TELECON TRACY MONTELEONE. MS. MONTELEONE SAID SHE GIVES ALL MAIL RECEIVED FOR KRUGS TO THEIR DAUGHTER WHO LIVES IN THE AREA. THE DAUGHTER IS WHO RETURNED THE LETTER. 12/5/12:GPS, SAC MET W/MICHAEL ZIMMERMAN - LUMBER CITY DEVELOPMENT CORP, ERIK CHRETIEN AND TRACY MONTELEONE. DISCUSSED OPTIONS REGARDING THE CLEAN UP. 12/6/12:SAC MET W/TERESA MUCHA - NYSDEC OFFICE OF GENERAL COUNSEL. NO RESPONSE HAS BEEN RECEIVED FROM RP. MS. MUCHA WILL SEND THE NEXT LETTER. 12/21/12:TERESA MUCHA SENT LETTER TO MR. AND MRS. KRUG REQUESTING FOR A WORK PLAN OR SIGN THE RIGHT OF ENTRY. 1/11/13:RECEIVED SIGNED RIGHT OF ENTRY FORM FROM MR.

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

KRUG. 3/5/13:SAC TELECON DAVE STEINER - EMPIRE GEOSERVICES. DISCUSSED PROJECT. MR. STEINER WILL SEND IN WORK PLAN. 3/19/13:RECEIVED EMPIRE GEOSERVICES WORK PLAN. 4/18/13:SAC INSPECT SITE. DAVE AND RANDY STEINER ON-SITE. EXCAVATION IN FORMER GASOLINE UST AREA STARTED. PER MR. STEINER, EXCAVATION DOWN 11 FT. HOWEVER, GW INFILTRATED EXCAVATION. SHEEN OBSERVED. ADDITIONAL EXCAVATION DEEPER IS DIFFICULT DUE TO PROXIMITY OF BUILDING. THEY WILL CONTINUE TO EXCAVATE TO THIS DEPTH AROUND THE BUILDING AREAS AND THEN BACKFILL. CONFIRMATORY SAMPLES WILL BE TAKEN. 4/19/13:SAC INSPECT SITE. MET W/DAVE STEINER. EXCAVATION IS AROUND THE TRAILER AND HEADING WEST. MR. STEINER BELIEVES THEY STILL WILL EXCAVATE TO THE WEST BASED ON ODORS AND PID METER READINGS. 4/22/13:GPS, SAC INSPECT SITE. MET W/STEVE BOCHENEK - EMPIRE GEOSERVICES. THEY ARE NEARING THE END OF THE EXCAVATION IN THE WEST DIRECTION NEAR THE TRAILER. STEVE WILL FIELD SCREEN THE SOIL ON THE SOUTH WALL. 4/24/13:SAC INSPECT SITE. MET W/STEVE BOCHENEK. EXCAVATION IS CONTINUING TOWARD THE EAST INTO THE DRIVEWAY. THEY WERE BACKFILLING THIS AREA TO ALLOW ACCESS AND BECAUSE OF OVERHEAD POWERLINES, THE EXCAVATOR MAY BE TO LARGE TO PROCEED SAFELY. ALTHOUGH BACKFILLING, PETROLEUM ODORS WERE APPARENT WHILE STANDING NEXT TO THE EXCAVATION. MR. BOCHENEK SAID HE WAS STILL READING 200 ppm ON THE PID METER WHEN SCREENING THE SIDE WALL SAMPLES. SO ADDITIONAL EXCAVATION WILL OCCUR IN THIS AREA. 4/29/2013: GPS INSPECTED SITE PER SAC REQUEST. MET W/ STEVE BOCHENEK. PERFORMING TEST PITS ALONG SOUTHERN PLANT PROPERTY TO DETERMINE EXTENT IN THAT DIRECTION. DISCUSSED WAY TO PROCEED AND IF ADDITIONAL EXCAVATION WARRANTED. NOT SEEING ANY SPECIFIC PRODUCT, LOW PIDS, APPEARS RESIDUAL CONTAMINATION LIMITED TO GRAVEL LAYER BELOW CLAY WHICH EXTENDS UNDER STRUCTURES AND CANNOT NOT BE ACCESSED WITH CONVENTIONAL EXCAVATION MEANS. TOLD STEVE TO DISCONTINUE EXCAVATION. WILL DISCUSS WITH SAC ON HOW TO PROCEED. 5/1/13:SAC INSPECT SITE. MET W/STEVE BOCHENEK. THEY ARE FINISHING OFF BACKFILLING EXCAVATED AREAS WITH CRUSHED STONE. WORK IS NEARLY COMPLETED. 9/13/13:RECEIVED REMEDIAL ACTION SUMMARY REPORT. 10/18/13:RECEIVED WORK PLAN FOR ADDITIONAL SUBSURFACE INVESTIGATION. 3/20/2014: RJJ/EMPIRE-GEO AT SITE AT 0830...TODAY,EMPIRE-GEO WILL GEO-PROBE AND OBTAIN SOIL SAMPLES, ON THE PROPERTY, TO TRY TO FIND THE EXTENT OF THIS PETROLEUM CONTAMINATION...THEN TOMORROW,THEY WILL INSTALL 3-GROUNDWATER MONITORING WELLS,AS PER THEIR DISCUSSED

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WORKPLAN. 3/21/2014: RJJ/EMPIRE GEO AT SITE AT 0800...YESTERDAY,EMPIRE-GEO DRILLED 8 GEO-PROBES ON SITE AND INSTALLED 2-GROUNDAWTER MONITORINGS...TODAY,THEY WILL INSTALL 1,MAYBE 2 ADDITIONAL WELLS AND CONTINUE GEO-PROBING,THEN THEY WILL OBTAIN THEIR SUBSURFACE SOIL SAMPLES FROM THESE SOIL BORINGS...(BASED ON THEIR FIELD SCREENING OF THE BORING SAMPLES,THEY THINK THEY HAVE FOUND THE EAST & WESTERN EXTENT OF THE CONTAMINATION.) 7/23/14:RECEIVED SUBSURFACE INVESTIGATION REPORT. 7/30/14:SAC TELECON DAVE STEINER. AGREED TO HAVE MONITORING WELLS SAMPLED AND THE GROUNDWATER SAMPLES ANALYZED TO CHECK SUMMER SEASON LEVELS. 10/8/14:RECEIVED JULY GW SAMPLING EVENT REPORT. 1/23/15:REVIEWED SUBSURFACE INVESTIGATION REPORT W/GPS. ADDITIONAL INVESTIGATION WORK TO BE DONE ON NEIGHBORING PROPERTY TO THE SOUTH. SENT PRP LETTER REQUESTING ADDITIONAL INVESTIGATION WORK OR SITE ACCESS TO PROPERTY OWNER AT 170 AND 156 OLIVER STREET. RESPONSE BY 2/28/15. 2/13/15:SAC TELECON JOSH QUANT - GLR. DISCUSSED PRP LETTER. MR. QUANT WILL FORWARD LETTER TO THE COMPANY PROPERTY OWNERS. HE SAID ADDRESS FOR NORTH TONAWANDA, LLC WHICH IS THE ENTITY THAT OWNS THE PROPERTY IS 30835 GROESBECK HIGHWAY, ROSEVILLE, MICHIGAN 48066. 2/24/15:RECEIVED SIGNED RIGHT OF ENTRY FROM GLR. 6/8/15:RECEIVED WORK PLAN FOR ADDITIONAL SUBSURFACE INVESTIGATION FROM EMPIRE GEOSERVICES. 6/18/15:RECEIVED MESSAGE FROM DAVE STEINER. ADDITIONAL SUBSURFACE INVESTIGATION WORK SCHEDULED FOR NEXT WEEK, 22ND AND 23RD. 6/23/15:SAC INSPECT SITE. MET W/DAVE STEINER AND STEVE BOCHENECK. THEY WERE ABLE TO INSTALL 13 GEOPROBES AND ARE IN THE PROCESS OF CONVERTING 3 INTO MONITORING WELLS. ONE WELL WILL BE AT A LOCATION WHERE CONTAMINATION WAS FOUND AND THE OTHER 2 LOCATIONS ARE OUTSIDE THE EXTENT. WORK SHOULD BE COMPLETED TODAY. 7/6/15:RECEIVED ANALYTICAL REPORT FOR THE SUBSURFACE INVESTIGATION SOIL SAMPLES. 7/10/15:RECEIVED MESSAGE FROM DAVE STEINER THAT THEY SAMPLED THE 5 EXISTING WELLS AND THE 3 NEW WELLS THAT WERE INSTALLED. THEY ALSO SURVEYED AND TOOK THE TOP OF RISER ELEVATONS FOR THE 3 NEW WELLS. 7/27/15:RECEIVED ANALYTICAL REPORT FOR THE ROUND OF MONITORING WELL SAMPLING. 9/18/15:SAC TELECON DAVE STEINER. HE WILL SEND IN REPORTS NEXT WEEK. 10/30/15:RECEIVED SUBSURFACE INVESTIGATION REPORT. 11/5/15:DISCUSSED REPORTS W/GPS. BASED ON SOIL LEVELS IN THE REPORTS, GPS REQUESTS CONTACTING EMPIRE GEOSERVICES FOR SUBSURFACE TREATMENT

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PROPOSALS. 11/10/15:SAC TELECON DAVE STEINER. DISCUSSED PROPOSAL FOR SUBSURFACE TREATMENT PROGRAM. MR. STEINER WILL REVIEW AND COME UP WITH RECOMMENDATIONS IN THE NEXT FEW WEEKS. 1/5/16:SAC TELECON DAVE STEINER. MR. STEINER SAID THAT HE IS STILL WAITING TO HEAR FROM REGENESIS. HE WILL CONTACT THEM FOR AN UPDATE. 2/16/16:SAC TELECON DAVE STEINER. MR. STEINER SAID HE SPOKE TO REGENESIS AND THEY TOLD HIM THEY WOULD GET HIM A PROPOSAL BY 2/5/16. HOWEVER, HE DID NOT HEAR FROM THEM. HE WILL FOLLOW UP WITH A CALL TO THEM. 2/22/16:RECEIVED PROPOSAL AND ESTIMATE FROM REGENSIS THROUGH DAVE STEINER. 3/31/16:SAC TELECON DAVE STEINER REQUESTING WORK PLAN FOR SUBSURFACE TREATMENT APPLICATION. 4/29/16:RECEIVED WORK PLAN FOR SUBSURFACE TREATMENT. 5/2/16:SAC TELECON DAVE STEINER. DISCUSSED SUBSURFACE TREATMENT WORK PLAN. BASED ON THE RESULTS OF THE SUBSURFACE INVESTIGATION, AREA TO BE TREATED SHOULD BE LARGER THAN WHAT WAS PROPOSED. MR. STEINER WILL GO TO THE SITE TO TAKE MEASUREMENTS. ONCE HE COMPLETES THIS TASK HE WILL SEND IN AMENDED WORK PLAN. 5/10/16:RECEIVED REVISED WORK PLAN FOR IN-PLACE TREATMENT. 5/11/16:SAC TELECON DAVE STEINER REGARDING REVISED WORK PLAN. SAC TOLD MR. STEINER THERE WAS NO OBJECTION TO THE WORK PLAN. MR. STEINER WILL ORDER THE MATERIAL SO THE WORK PLAN CAN BE IMPLEMENTED. 6/3/16:SAC TELECON DAVE STEINER REGARDING SITE STATUS. MR. STEINER SAID HE IS WAITING FOR THE REVISED QUOTE FROM REGENESIS SINCE WORK PLAN WAS AMENDED. MR. STEINER SAID THAT HIS MATERIAL ORDER WILL BE BASED ON THE QUOTE. THEREFORE, UNTIL HE RECEIVES IT, HE CANNOT ORDER THE MATERIAL. HE WILL CALL REGENESIS TO ASK ABOUT THE STATUS OF THE REVISED QUOTE. 6/22/16:RECEIVED COPY OF MESSAGE FROM DAVE STEINER TO TRACY MONTELEONE. MR. STEINER SAID MATERIAL FOR THE SUBSURFACE TREATMENT IS SCHEDULED TO ARRIVE EITHER FRIDAY, 6/24 OR MONDAY, 6/27. THEREFORE, WORK COULD BEGIN ON 6/27 OR 6/28. MR. STEINER INQUIRED IF THIS SCHEDULE WAS ACCEPTABLE. 6/28/16:SAC TELECON DAVE STEINER. MR. STEINER SAID THEY WERE ON-SITE YESTERDAY TO BEGIN THE SUBSURFACE TREATMENT. SAC INSPECT SITE. MET W/RANDY STEINER AND ART KLOSKE - EMPIRE GEOSERVICES. MR. KLOSKE SAID THEY HAVE 27 POINTS TO INJECT. THEY COMPLETED EIGHT INJECTION POINTS, YESTERDAY. 6/29/16:SAC INSPECT SITE. MET W/RANDY STEINER AND ART KLOSKE. MR. KLOSKE AND MR. STEINER SAID THEY COMPLETED EIGHT POINTS EACH DAY FOR 2 DAYS. TODAY, THEY WERE IN THE PROCESS OF INJECTING INTO THE 7TH POINT AND SHOULD COMPLETE ONE MORE TODAY. THAT WILL 3

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POINTS TO BE COMPLETED TOMORROW. 6/30/16:SAC INSPECT SITE. MET W/RANDY STEINER AND ART KLOSKE. THEY WERE INJECTING INTO THE NEXT TO LAST POINT. THEY WILL FINISH LAST POINT AT ABOUT NOON TIME, TODAY. 9/6/16:RECEIVED MESSAGE FROM DAVE STEINER. NEXT SUBSURFACE TREATMENT INJECTIONS ARE TENTATIVELY SCHEDULED FOR NEXT WEEK. 9/14/16:SAC INSPECT SITE. MET W/ART KLOSKE AND RANDY STEINER. MR. KLOSKE SAID WORK BEGAN YESTERDAY AND THEY HAVE COMPLETED THE INJECTIONS IN 16 POINTS. THEY ARE INJECTING IN ABOUT THE SAME LOCATIONS AS THE PREVIOUS POINTS. 9/15/16:SAC INSPECT SITE. MET WITH ART KLOSKE AND RANDY STEINER. 5 INJECTIONS WERE COMPLETED. THEY WERE IN THE MIDDLE OF THE 6TH WHEN THE PUMP BROKE DOWN. THEY WILL TRY TO USE ANOTHER PUMP TO COMPLETE THE WORK. 9/16/16:SAC INSPECT SITE. NO ONE AT SITE. BASED ON INJECTION LOCATION MARKINGS, APPEARS WORK HAS BEEN COMPLETED. 2/14/17:RECEIVED GW MONITORING WELL SAMPLING REPORT. SAMPLING DONE ON 2/10/17. 8260 LEVELS ARE AS FOLLOWS: MW-1 = 0.69 ug/l MW-2 = 846 ug/l MW-3 = ND MW-5 = 331.5 ug/l MW-8 = 35 ug/l 4/17/17:RECEIVED SOIL SAMPLING WORK PLAN FROM EMPIRE GEOSERVICES. 5/11/17:SAC TELECON DAVE STEINER. MR. STEINER WILL TRY TO SCHEDULE SOIL SAMPLING NEXT WEEK. 5/23/17:SAC TELECON DAVE STEINER. SUBSURFACE SOIL SAMPLING TOOK PLACE AND WAS COMPLETED YESTERDAY. 6/6/17:RECEIVED POST-TREATMENT SAMPLING RESULTS. 7/17/17:SAC TELECON DAVE STEINER. MR. STEINER IS STILL WORKING ON THE REPORT. HE SHOULD COMPLETE IT SHORTLY. HE WILL ALSO GIVE REGENESIS A CALL TO DETERMINE IF ANOTHER TREATMENT WOULD BE RECOMMENDED AND IF SO, WHAT QUANTITY SHOULD BE USED. 8/16/17:SAC TELECON DAVE STEINER. MR. STEINER IS NEARLY FINISHED WITH THE RPEORT AND WILL SEND IT TO SAC SHORTLY. HE SENT A MESSAGE TO MAUREEN DOOLEY - REGENESIS REGARDING THE NEXT STEP FOR TREATMENT BUT HAS RECEIVED NO REPLY. HE WILL TRY TO CONTACT MS. DOOLEY AGAIN. 8/25/17:SAC TELECON DAVE STEINER. MR. STEINER SAID HE WAS SUCCESSFUL CONTACTING MAUREEN DOOLEY. SHE WILL REVIEW SITE FOR ANY ADDITIONAL RECOMMENDATIONS. 10/20/17:SAC TELECON DAVE STEINER. MR. STEINER HAS NOT HEARD BACK FROM MAUREEN DOOLEY. HE WILL FOLLOW UP WITH HER NEXT WEEK. 1/19/18:SAC TELECON DAVE STEINER. MR. STEINER WILL REACH OUT TO MAUREEN DOOLEY AGAIN AND THEN FORMULATE ANOTHER PLAN FOR ANOTHER TREATMENT APPLICATION. 2/20/18:RECEIVED DRAFT WORK PLAN FROM EMPIRE GEOSERVICES. 2/28/18:SAC TELECON DAVE STEINER. MR. STEINER WILL CONTACT MAUREEN DOOLEY REGARDING WORK PLAN.

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3/26/18:RECEIVED ESTIMATE FOR ADDITIONAL 2 SUBSURFACE TREATMENT APPLICATIONS. PROPOSED APPLICATION WILL BE TO COVER 4,000 SQUARE FT OF AFFECTED AREA USING 40 INSTALLATION POINTS SPACED 10 FT. APART. 4/4/18:SAC NOTIFIED DAVE STEINER THERE WAS NO OBJECTION TO THE WORK PLAN PROPOSAL AND TREATMENT ESTIMATE. 4/20/18:RECEIVED MESSAGE FROM DAVE STEINER. HE ANTICIPATES RECEIVING PERSULFOX ON WEDNESDAY,4/25 AND IF SO TREATMENT/INJECTION WILL BEGIN ON THURSDAY 4/26. 4/24/18:RECEIVED MESSAGE FROM DAVE STEINER. NEXT TREATMENT APPLICATION TO BEGIN ON MONDAY, 4/30. HE ANTICIPATES IT WILL TAKE 4 TO 5 DAYS. 5/1/18:SAC INSPECT SITE. MET W/ART KOSKE AND MATT MATHIAS. MR. KOSKE SAID THEY WERE ABLE TO INJECT INTO 11 POINTS YESTERDAY AND 6 POINTS TODAY AT THE TIME OF THE INSPECTION WHICH WAS AT MID-DAY. WORK WILL CONTINUE INTO TOMORROW AND THURSDAY. 5/2/18:SAC INSPECT SITE. MET W/ART KOSKE. MR. KOSKE SAID THEY COMPOLETED 11 POINTS YESTERDAY AND HAD COMPLETED 9 SO FAR TODAY. 5/3/18:RECEIVED MESSAGE FROM DAVE STEINER. TREATMENT APPLICATION INJECTIONS HAVE BEEN COMPLETED. NEXT APPLICATION WILL TAKE PLACE AT LEAST 60 DAYS LATER. 7/26/18:RECEIVED FROM DAVE STEINER. NEXT TREATMENT APPLICATION WILL BE SCHEDULED IN AUGUST. MR. STEINER DOES NOT HAVE A FIRM DATE. 8/1/18:RECEIVED MESSAGE FROM DAVE STEINER. HE WILL BEGIN 2ND ROUND OF TREATMENT INJECTIONS TOMORROW. THEY WILL BE ON-SITE FOR THE 2ND, 3RD, 6TH, AND 7TH. 8/3/18:SAC INSPECT SITE. MET W/ART KOSKE AND RANDY STEINER. MR. KOSKE AND MR. STEINER SIAD THEY WERE ON SITE YESTERDAY AND COMPLETED 10 TREATMENT INJECTIONS. TODAY, THEY ARE ON THEIR 11TH AND EXPECT TO COMPLETE 13 TODAY. RECEIVED MESSAGE FROM DEC DER CONTRACT SECTION. DUE TO A SITUATION REGARDING THE EMPIRE GEOSERVICES CONTRACT, EMPIRE GEOSERVICES WILL NOT BE ABLE TO CONTINUE WORK ON DEC PROJECTS UNTILL ISSUE IS RESOLVED. THEREFORE, THERE WILL BE NO TREATMENT APPLICATIONS MONDAY, THE 6TH OR TUESDAY, THE 7TH. 9/10/18:RECEIVED MESSAGE FROM PAM BROWN - DEC CENTRAL OFFICE DER CONTRACTS SECTION. SHE SAID HER SUPERVISOR DAVE GARDNER THAT WORK CAN CONTINUE WITH LIRO RNGINEERS BEING THE CONTRACTOR AND SUBCONTRACTING THE REMAINING TREATMENT INJECTIONS TO SJB SERVICES. SJB SERVICES WAS A SUBSIDIARY OF EMPIRE GEOSERVICES THAT PERFORMED WORK UNDER STATE CONTRACT. 9/13/18:SAC TELECON STEVE FRANK - LIRO ENGINEERS. HE WILL FOLLOW UP W/DAVE STEINER TO SCHEDULE THE LAST OF THE TREATMENT INJECTIONS AND THEN THE POST-TREATMENT SAMPLING. 10/3/18:SAC TELECON

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DAVE STEINER. WORK WILL MOST LIKELY BE SCHEDULED FOR THE 2ND HALF OF THIS MONTH. 11/6/18:SAC TELECON DAVE STEINER. MR. STEINER SAID THEY COMPLETED THE TREATMENT APPLICATIONS LAST MONDAY AND TUESDAY. 2/28/19:SAC TELECON CRAIG TAYLOR - LIRO ENGINEERS. MR. TAYLOR SAID SAMPLING OF WELLS HAS BEEN RESCHEDULED FOR NEXT WEEK. 3/4/19:RECEIVED MESSAGE FROM CRAIG TAYLOR. MW SAMPLING SCHEDULED FOR 3/7/19. 3/7/19:SAC INSPECT SITE. MET W/ANDY - LIRO ENGINEERS. GROUND IS COVERED WITH THIN LAYER OF FROZEN SNOW. WELLS NOT APPARENT. MAY HAVE TO WAIT UNTIL NEXT WEEK TO SAMPLE. SAC TELECON CRAIG TAYLOR. THEY WERE UNABLE TO LOCATE WELLS. SO THEY WILL WAIT FOR A THAW BEFORE TRYING TO SAMPLE. THEY MAY ALSO TAKE THE SOIL SAMPLES THE SAME DAY THEY SAMPLE THE WELLS. 3/19/19:RECEIVED MESSAGE FROM CRAIG TAYLOR. THEY HAVE SCHEDULED THE SOIL SAMPLING FOR TOMORROW AND WILL FOLLOW UP ON THE WELL SAMPLING THE NEXT DAY. 3/20/19:MEM, CMM AND SAC INSPECT SITE. MET W/DAN SHELDON - LIRO ENGINEERS AND RANDY STEINER. THEY ARE INSTALLING GEOPROBES TO SAMPLE SOIL. EXPECT THIS PHASE TO BE COMPLETED TODAY. 3/25/19:RECEIVED GW MONITORING WELL SAMPLE RESULTS. 3/29/19:RECEIVED GEOPROBE SOIL SAMPLE RESULTS. 4/10/19:SAC TELECON CRAIG TAYLOR. MR. TAYLOR SAID HE IS PUTTING TOGETHER A REPORT FOR THE LATEST GEOPROBE SOIL SAMPLING AND GW MONITORING WELL RESULTS. 4/23/19:RECEIVED POST-INJECTION SOIL AND GW SAMPLING REPORT FROM LIRO. 5/1/19:SAC SPOKE TO MEM REGARDING POST TREATMENT SAMPLING REPORT. BASED ON RESULTS FURTHER WORK RECOMMENDED. SAC TO FOLLOW UP W/LIRO REGARDING EXCAVATING AREAS OF ELEVATED LEVELS ABOVE CP-51 GUIDANCE VALUES."

Remarks: "soil readings taken for bank sale - clean up pending"

All Materials:

Site ID:	464144
Operable Unit ID:	1214212
Operable Unit:	01
Material ID:	2212240
Material Code:	0009
Material Name:	gasoline
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	Not Reported
Units:	Not Reported
Recovered:	Not Reported
Oxygenate:	Not Reported

Name: R.E. KRUG AND TREAD CITY TIRE SITE

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

Address:	190 OLIVER ST
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	1201437 / Not Reported
Facility ID:	1201437
Facility Type:	ER
DER Facility ID:	418545
Site ID:	464144
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	B1
SWIS:	3212
Spill Date:	2012-05-14
Investigator:	SACALAND
Referred To:	Not Reported
Reported to Dept:	2012-05-14
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:	2012-05-14
Spill Record Last Update:	2019-05-15
Spiller Name:	Not Reported
Spiller Company:	RICHARD AND LORRAINE KRUG
Spiller Address:	2108 TIMUCUA TRAIL
Spiller Company:	001
Contact Name:	JOE MECCA
DEC Memo:	"5/15/12:SAC CALLED JOE MECCA - RJS ENVIRO. LEFT MESSAGE FOR A CALLBACK. 5/16/12:SAC TELECON JOE MECCA. MR. MECCA SAID THEY COMPLETED THE PHASE II WORK YESTERDAY. THERE WERE BORINGS THAT HAD DEFLECTIONS ON PID METER AND ODORS. MR. MECCA SAID HE BELIEVES THEY ARE WORKING FOR THE BANK OF THE PROSPECTIVE PURCHASER. HE ANTICIPATES SUBMITTING THE REPORT TO DEC IN A FEW WEEKS. 6/11/12:RECEIVED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT DATED 5/31/12 FROM RJS ENVIRONMENTAL. 6/15/12:SAC TELECON PAUL DICKY - NCHD REGARDING PROPERTY OWNERSHIP. ACCORDING TO RECORDS, PROPERTY IS OWNED BY RICHARD AND LORRAINE KRUG. 6/18/12:DRAFTED COMMENT LETTER BASED ON PHASE II SITE ASSESSMENT. REQUESTED WORK PLAN BY 7/31/12. 6/20/12:SAC TELECON TRACY MONTELEONE - R.E. KRUG, INC. 692-2305 EXT. 295. MS. MONTELEONE SAID THAT THE BUSINESS OWNERSHIP IS NOW W/ERIK CHRETIEN BUT THAT THE PROPERTY IS STILL OWNED BY MR. & MRS. KRUG. THE REASON

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

FOR THE PHASE I AND PHASE II WORK IS BECAUSE MR. CHRETIEN IS LOOKING TO PURCHASE THE PROPERTY AND THE BUILDINGS. THEY HAVE NOT RECEIVED A COPY OF THE PHASE II REPORT. SAC SENT ONE TO HER. MS. MONTELEONE SAID SHE WILL BEGIN TO SEARCH FOR CONTRACTORS TO DO THE WORK. 7/19/12:SAC TELECON TRACY MONTELEONE. MS. MONTELEONE SAID SHE HAS THE BIDS FOR THE WORK. HOWEVER, THE OWNER OF THE BUILDING IS NEGOTIATING WITH THE BANK AND SHE DOES NOT BELIEVE THE WORK PLAN WILL BE SUBMITTED BY THE 31ST OF THIS MONTH. SHE DOES NOT HAVE AN INDICATION WHEN IT MIGHT BE SUBMITTED. 8/8/12:NO WORK PLAN OR RESPONSE RECEIVED FROM PROPERTY OWNERS. SENT LETTER REQUESTING RESPONSE BY 9/28/12. 10/23/12:NO WORK PLAN OR RESPONSE FROM PROPERTY OWNER. SENT LETTER REQUESTING RESPONSE BY 11/30/12 OR WILL REFER TO NYSDEC OFFICE OF GENERAL COUNSEL. 10/31/12:RECEIVED RETURNED LETTER SENT TO 190 OLIVER ST. SAME LETTER WAS SENT TO FLORIDA ADDRESS. SAC TELECON TRACY MONTELEONE. MS. MONTELEONE SAID SHE GIVES ALL MAIL RECEIVED FOR KRUGS TO THEIR DAUGHTER WHO LIVES IN THE AREA. THE DAUGHTER IS WHO RETURNED THE LETTER. 12/5/12:GPS, SAC MET W/MICHAEL ZIMMERMAN - LUMBER CITY DEVELOPMENT CORP, ERIK CHRETIEN AND TRACY MONTELEONE. DISCUSSED OPTIONS REGARDING THE CLEAN UP. 12/6/12:SAC MET W/TERESA MUCHA - NYSDEC OFFICE OF GENERAL COUNSEL. NO RESPONSE HAS BEEN RECEIVED FROM RP. MS. MUCHA WILL SEND THE NEXT LETTER. 12/21/12:TERESA MUCHA SENT LETTER TO MR. AND MRS. KRUG REQUESTING FOR A WORK PLAN OR SIGN THE RIGHT OF ENTRY. 1/11/13:RECEIVED SIGNED RIGHT OF ENTRY FORM FROM MR. KRUG. 3/5/13:SAC TELECON DAVE STEINER - EMPIRE GEOSERVICES. DISCUSSED PROJECT. MR. STEINER WILL SEND IN WORK PLAN. 3/19/13:RECEIVED EMPIRE GEOSERVICES WORK PLAN. 4/18/13:SAC INSPECT SITE. DAVE AND RANDY STEINER ON-SITE. EXCAVATION IN FORMER GASOLINE UST AREA STARTED. PER MR. STEINER, EXCAVATION DOWN 11 FT. HOWEVER, GW INFILTRATED EXCAVATION. SHEEN OBSERVED. ADDITIONAL EXCAVATION DEEPER IS DIFFICULT DUE TO PROXIMITY OF BUILDING. THEY WILL CONTINUE TO EXCAVATE TO THIS DEPTH AROUND THE BUILDING AREAS AND THEN BACKFILL. CONFIRMATORY SAMPLES WILL BE TAKEN. 4/19/13:SAC INSPECT SITE. MET W/DAVE STEINER. EXCAVATION IS AROUND THE TRAILER AND HEADING WEST. MR. STEINER BELIEVES THEY STILL WILL EXCAVATE TO THE WEST BASED ON ODORS AND PID METER READINGS. 4/22/13:GPS, SAC INSPECT SITE. MET W/STEVE BOCHENEK - EMPIRE GEOSERVICES. THEY ARE NEARING THE END OF THE EXCAVATION IN THE WEST DIRECTION NEAR THE TRAILER. STEVE WILL FIELD SCREEN THE SOIL ON

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THE SOUTH WALL. 4/24/13:SAC INSPECT SITE. MET W/STEVE BOCHENEK. EXCAVATION IS CONTINUING TOWARD THE EAST INTO THE DRIVEWAY. THEY WERE BACKFILLING THIS AREA TO ALLOW ACCESS AND BECAUSE OF OVERHEAD POWERLINES, THE EXCAVATOR MAY BE TO LARGE TO PROCEED SAFELY. ALTHOUGH BACKFILLING, PETROLEUM ODORS WERE APPARENT WHILE STANDING NEXT TO THE EXCAVATION. MR. BOCHENEK SAID HE WAS STILL READING 200 ppm ON THE PID METER WHEN SCREENING THE SIDE WALL SAMPLES. SO ADDITIONAL EXCAVATION WILL OCCUR IN THIS AREA. 4/29/2013: GPS INSPECTED SITE PER SAC REQUEST. MET W/ STEVE BOCHENEK. PERFORMING TEST PITS ALONG SOUTHERN PLANT PROPERTY TO DETERMINE EXTENT IN THAT DIRECTION. DISCUSSED WAY TO PROCEED AND IF ADDITIONAL EXCAVATION WARRANTED. NOT SEEING ANY SPECIFIC PRODUCT, LOW PIDS, APPEARS RESIDUAL CONTAMINATION LIMITED TO GRAVEL LAYER BELOW CLAY WHICH EXTENDS UNDER STRUCTURES AND CANNOT NOT BE ACCESSED WITH CONVENTIONAL EXCAVATION MEANS. TOLD STEVE TO DISCONTINUE EXCAVATION. WILL DISCUSS WITH SAC ON HOW TO PROCEED. 5/1/13:SAC INSPECT SITE. MET W/STEVE BOCHENEK. THEY ARE FINISHING OFF BACKFILLING EXCAVATED AREAS WITH CRUSHED STONE. WORK IS NEARLY COMPLETED. 9/13/13:RECEIVED REMEDIAL ACTION SUMMARY REPORT. 10/18/13:RECEIVED WORK PLAN FOR ADDITIONAL SUBSURFACE INVESTIGATION. 3/20/2014: RJJ/EMPIRE-GEO AT SITE AT 0830...TODAY,EMPIRE-GEO WILL GEO-PROBE AND OBTAIN SOIL SAMPLES, ON THE PROPERTY, TO TRY TO FIND THE EXTENT OF THIS PETROLEUM CONTAMINATION...THEN TOMORROW,THEY WILL INSTALL 3-GROUNDWATER MONITORING WELLS,AS PER THEIR DISCUSSED WORKPLAN. 3/21/2014: RJJ/EMPIRE GEO AT SITE AT 0800...YESTERDAY,EMPIRE-GEO DRILLED 8 GEO-PROBES ON SITE AND INSTALLED 2-GROUNDAWTER MONITORINGS...TODAY,THEY WILL INSTALL 1,MAYBE 2 ADDITIONAL WELLS AND CONTINUE GEO-PROBING,THEN THEY WILL OBTAIN THEIR SUBSURFACE SOIL SAMPLES FROM THESE SOIL BORINGS...(BASED ON THEIR FIELD SCREENING OF THE BORING SAMPLES,THEY THINK THEY HAVE FOUND THE EAST & WESTERN EXTENT OF THE CONTAMINATION.) 7/23/14:RECEIVED SUBSURFACE INVESTIGATION REPORT. 7/30/14:SAC TELECON DAVE STEINER. AGREED TO HAVE MONITORING WELLS SAMPLED AND THE GROUNDWATER SAMPLES ANALYZED TO CHECK SUMMER SEASON LEVELS. 10/8/14:RECEIVED JULY GW SAMPLING EVENT REPORT. 1/23/15:REVIEWED SUBSURFACE INVESTIGATION REPORT W/GPS. ADDITIONAL INVESTIGATION WORK TO BE DONE ON NEIGHBORING PROPERTY TO THE SOUTH. SENT PRP LETTER REQUESTING ADDITIONAL INVESTIGATION WORK OR SITE ACCESS TO PROPERTY

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OWNER AT 170 AND 156 OLIVER STREET. RESPONSE BY 2/28/15. 2/13/15:SAC TELECON JOSH QUANT - GLR. DISCUSSED PRP LETTER. MR. QUANT WILL FORWARD LETTER TO THE COMPANY PROPERTY OWNERS. HE SAID ADDRESS FOR NORTH TONAWANDA, LLC WHICH IS THE ENTITY THAT OWNS THE PROPERTY IS 30835 GROESBECK HIGHWAY, ROSEVILLE, MICHIGAN 48066. 2/24/15:RECEIVED SIGNED RIGHT OF ENTRY FROM GLR. 6/8/15:RECEIVED WORK PLAN FOR ADDITIONAL SUBSURFACE INVESTIGATION FROM EMPIRE GEOSERVICES. 6/18/15:RECEIVED MESSAGE FROM DAVE STEINER. ADDITIONAL SUBSURFACE INVESTIGATION WORK SCHEDULED FOR NEXT WEEK, 22ND AND 23RD. 6/23/15:SAC INSPECT SITE. MET W/DAVE STEINER AND STEVE BOCHENECK. THEY WERE ABLE TO INSTALL 13 GEOPROBES AND ARE IN THE PROCESS OF CONVERTING 3 INTO MONITORING WELLS. ONE WELL WILL BE AT A LOCATION WHERE CONTAMINATION WAS FOUND AND THE OTHER 2 LOCATIONS ARE OUTSIDE THE EXTENT. WORK SHOULD BE COMPLETED TODAY. 7/6/15:RECEIVED ANALYTICAL REPORT FOR THE SUBSURFACE INVESTIGATION SOIL SAMPLES. 7/10/15:RECEIVED MESSAGE FROM DAVE STEINER THAT THEY SAMPLED THE 5 EXISTING WELLS AND THE 3 NEW WELLS THAT WERE INSTALLED. THEY ALSO SURVEYED AND TOOK THE TOP OF RISER ELEVATONS FOR THE 3 NEW WELLS. 7/27/15:RECEIVED ANALYTICAL REPORT FOR THE ROUND OF MONITORING WELL SAMPLING. 9/18/15:SAC TELECON DAVE STEINER. HE WILL SEND IN REPORTS NEXT WEEK. 10/30/15:RECEIVED SUBSURFACE INVESTIGATION REPORT. 11/5/15:DISCUSSED REPORTS W/GPS. BASED ON SOIL LEVELS IN THE REPORTS, GPS REQUESTS CONTACTING EMPIRE GEOSERVICES FOR SUBSURFACE TREATMENT PROPOSALS. 11/10/15:SAC TELECON DAVE STEINER. DISCUSSED PROPOSAL FOR SUBSURFACE TREATMENT PROGRAM. MR. STEINER WILL REVIEW AND COME UP WITH RECOMMENDATIONS IN THE NEXT FEW WEEKS. 1/5/16:SAC TELECON DAVE STEINER. MR. STEINER SAID THAT HE IS STILL WAITING TO HEAR FROM REGENESIS. HE WILL CONTACT THEM FOR AN UPDATE. 2/16/16:SAC TELECON DAVE STEINER. MR. STEINER SAID HE SPOKE TO REGENESIS AND THEY TOLD HIM THEY WOULD GET HIM A PROPOSAL BY 2/5/16. HOWEVER, HE DID NOT HEAR FROM THEM. HE WILL FOLLOW UP WITH A CALL TO THEM. 2/22/16:RECEIVED PROPOSAL AND ESTIMATE FROM REGENSIS THROUGH DAVE STEINER. 3/31/16:SAC TELECON DAVE STEINER REQUESTING WORK PLAN FOR SUBSURFACE TREATMENT APPLICATION. 4/29/16:RECEIVED WORK PLAN FOR SUBSURFACE TREATMENT. 5/2/16:SAC TELECON DAVE STEINER. DISCUSSED SUBSURFACE TREATMENT WORK PLAN. BASED ON THE RESULTS OF THE SUBSURFACE INVESTIGATION, AREA TO BE TREATED SHOULD BE LARGER THAN WHAT WAS PROPOSED. MR. STEINER WILL

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GO TO THE SITE TO TAKE MEASUREMENTS. ONCE HE COMPLETES THIS TASK HE WILL SEND IN AMENDED WORK PLAN. 5/10/16:RECEIVED REVISED WORK PLAN FOR IN-PLACE TREATMENT. 5/11/16:SAC TELECON DAVE STEINER REGARDING REVISED WORK PLAN. SAC TOLD MR. STEINER THERE WAS NO OBJECTION TO THE WORK PLAN. MR. STEINER WILL ORDER THE MATERIAL SO THE WORK PLAN CAN BE IMPLEMENTED. 6/3/16:SAC TELECON DAVE STEINER REGARDING SITE STATUS. MR. STEINER SAID HE IS WAITING FOR THE REVISED QUOTE FROM REGENESIS SINCE WORK PLAN WAS AMENDED. MR. STEINER SAID THAT HIS MATERIAL ORDER WILL BE BASED ON THE QUOTE. THEREFORE, UNTIL HE RECEIVES IT, HE CANNOT ORDER THE MATERIAL. HE WILL CALL REGENESIS TO ASK ABOUT THE STATUS OF THE REVISED QUOTE. 6/22/16:RECEIVED COPY OF MESSAGE FROM DAVE STEINER TO TRACY MONTELEONE. MR. STEINER SAID MATERIAL FOR THE SUBSURFACE TREATMENT IS SCHEDULED TO ARRIVE EITHER FRIDAY, 6/24 OR MONDAY, 6/27. THEREFORE, WORK COULD BEGIN ON 6/27 OR 6/28. MR. STEINER INQUIRED IF THIS SCHEDULE WAS ACCEPTABLE. 6/28/16:SAC TELECON DAVE STEINER. MR. STEINER SAID THEY WERE ON-SITE YESTERDAY TO BEGIN THE SUBSURFACE TREATMENT. SAC INSPECT SITE. MET W/RANDY STEINER AND ART KLOSKE - EMPIRE GEOSERVICES. MR. KLOSKE SAID THEY HAVE 27 POINTS TO INJECT. THEY COMPLETED EIGHT INJECTION POINTS, YESTERDAY. 6/29/16:SAC INSPECT SITE. MET W/RANDY STEINER AND ART KLOSKE. MR. KLOSKE AND MR. STEINER SAID THEY COMPLETED EIGHT POINTS EACH DAY FOR 2 DAYS. TODAY, THEY WERE IN THE PROCESS OF INJECTING INTO THE 7TH POINT AND SHOULD COMPLETE ONE MORE TODAY. THAT WILL 3 POINTS TO BE COMPLETED TOMORROW. 6/30/16:SAC INSPECT SITE. MET W/RANDY STEINER AND ART KLOSKE. THEY WERE INJECTING INTO THE NEXT TO LAST POINT. THEY WILL FINISH LAST POINT AT ABOUT NOON TIME, TODAY. 9/6/16:RECEIVED MESSAGE FROM DAVE STEINER. NEXT SUBSURFACE TREATMENT INJECTIONS ARE TENTATIVELY SCHEDULED FOR NEXT WEEK. 9/14/16:SAC INSPECT SITE. MET W/ART KLOSKE AND RANDY STEINER. MR. KLOSKE SAID WORK BEGAN YESTERDAY AND THEY HAVE COMPLETED THE INJECTIONS IN 16 POINTS. THEY ARE INJECTING IN ABOUT THE SAME LOCATIONS AS THE PREVIOUS POINTS. 9/15/16:SAC INSPECT SITE. MET WITH ART KLOSKE AND RANDY STEINER. 5 INJECTIONS WERE COMPLETED. THEY WERE IN THE MIDDLE OF THE 6TH WHEN THE PUMP BROKE DOWN. THEY WILL TRY TO USE ANOTHER PUMP TO COMPLETE THE WORK. 9/16/16:SAC INSPECT SITE. NO ONE AT SITE. BASED ON INJECTION LOCATION MARKINGS, APPEARS WORK HAS BEEN COMPLETED. 2/14/17:RECEIVED GW MONITORING WELL SAMPLING REPORT.

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SAMPLING DONE ON 2/10/17. 8260 LEVELS ARE AS FOLLOWS: MW-1 = 0.69 ug/l MW-2 = 846 ug/l MW-3 = ND MW-5 = 331.5 ug/l MW-8 = 35 ug/l 4/17/17:RECEIVED SOIL SAMPLING WORK PLAN FROM EMPIRE GEOSERVICES. 5/11/17:SAC TELECON DAVE STEINER. MR. STEINER WILL TRY TO SCHEDULE SOIL SAMPLING NEXT WEEK. 5/23/17:SAC TELECON DAVE STEINER. SUBSURFACE SOIL SAMPLING TOOK PLACE AND WAS COMPLETED YESTERDAY. 6/6/17:RECEIVED POST-TREATMENT SAMPLING RESULTS. 7/17/17:SAC TELECON DAVE STEINER. MR. STEINER IS STILL WORKING ON THE REPORT. HE SHOULD COMPLETE IT SHORTLY. HE WILL ALSO GIVE REGENESIS A CALL TO DETERMINE IF ANOTHER TREATMENT WOULD BE RECOMMENDED AND IF SO, WHAT QUANTITY SHOULD BE USED. 8/16/17:SAC TELECON DAVE STEINER. MR. STEINER IS NEARLY FINISHED WITH THE RPEORT AND WILL SEND IT TO SAC SHORTLY. HE SENT A MESSAGE TO MAUREEN DOOLEY - REGENESIS REGARDING THE NEXT STEP FOR TREATMENT BUT HAS RECEIVED NO REPLY. HE WILL TRY TO CONTACT MS. DOOLEY AGAIN. 8/25/17:SAC TELECON DAVE STEINER. MR. STEINER SAID HE WAS SUCCESSFUL CONTACTING MAUREEN DOOLEY. SHE WILL REVIEW SITE FOR ANY ADDITIONAL RECOMMENDATIONS. 10/20/17:SAC TELECON DAVE STEINER. MR. STEINER HAS NOT HEARD BACK FROM MAUREEN DOOLEY. HE WILL FOLLOW UP WITH HER NEXT WEEK. 1/19/18:SAC TELECON DAVE STEINER. MR. STEINER WILL REACH OUT TO MAUREEN DOOLEY AGAIN AND THEN FORMULATE ANOTHER PLAN FOR ANOTHER TREATMENT APPLICATION. 2/20/18:RECEIVED DRAFT WORK PLAN FROM EMPIRE GEOSERVICES. 2/28/18:SAC TELECON DAVE STEINER. MR. STEINER WILL CONTACT MAUREEN DOOLEY REGARDING WORK PLAN. 3/26/18:RECEIVED ESTIMATE FOR ADDITIONAL 2 SUBSURFACE TREATMENT APPLICATIONS. PROPOSED APPLICATION WILL BE TO COVER 4,000 SQUARE FT OF AFFECTED AREA USING 40 INSTALLATION POINTS SPACED 10 FT. APART. 4/4/18:SAC NOTIFIED DAVE STEINER THERE WAS NO OBJECTION TO THE WORK PLAN PROPOSAL AND TREATMENT ESTIMATE. 4/20/18:RECEIVED MESSAGE FROM DAVE STEINER. HE ANTICIPATES RECEIVING PERSULFOX ON WEDNESDAY,4/25 AND IF SO TREATMENT/INJECTION WILL BEGIN ON THURSDAY 4/26. 4/24/18:RECEIVED MESSAGE FROM DAVE STEINER. NEXT TREATMENT APPLICATION TO BEGIN ON MONDAY, 4/30. HE ANTICIPATES IT WILL TAKE 4 TO 5 DAYS. 5/1/18:SAC INSPECT SITE. MET W/ART KOSKE AND MATT MATHIAS. MR. KOSKE SAID THEY WERE ABLE TO INJECT INTO 11 POINTS YESTERDAY AND 6 POINTS TODAY AT THE TIME OF THE INSPECTION WHICH WAS AT MID-DAY. WORK WILL CONTINUE INTO TOMORROW AND THURSDAY. 5/2/18:SAC INSPECT SITE. MET W/ART KOSKE. MR. KOSKE SAID THEY COMPOLETED 11 POINTS

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YESTERDAY AND HAD COMPLETED 9 SO FAR TODAY. 5/3/18:RECEIVED MESSAGE FROM DAVE STEINER. TREATMENT APPLICATION INJECTIONS HAVE BEEN COMPLETED. NEXT APPLICATION WILL TAKE PLACE AT LEAST 60 DAYS LATER. 7/26/18:RECEIVED FROM DAVE STEINER. NEXT TREATMENT APPLICATION WILL BE SCHEDULED IN AUGUST. MR. STEINER DOES NOT HAVE A FIRM DATE. 8/1/18:RECEIVED MESSAGE FROM DAVE STEINER. HE WILL BEGIN 2ND ROUND OF TREATMENT INJECTIONS TOMORROW. THEY WILL BE ON-SITE FOR THE 2ND, 3RD, 6TH, AND 7TH. 8/3/18:SAC INSPECT SITE. MET W/ART KOSKE AND RANDY STEINER. MR. KOSKE AND MR. STEINER SIAD THEY WERE ON SITE YESTERDAY AND COMPLETED 10 TREATMENT INJECTIONS. TODAY, THEY ARE ON THEIR 11TH AND EXPECT TO COMPLETE 13 TODAY. RECEIVED MESSAGE FROM DEC DER CONTRACT SECTION. DUE TO A SITUATION REGARDING THE EMPIRE GEOSERVICES CONTRACT, EMPIRE GEOSERVICES WILL NOT BE ABLE TO CONTINUE WORK ON DEC PROJECTS UNTILL ISSUE IS RESOLVED. THEREFORE, THERE WILL BE NO TREATMENT APPLICATIONS MONDAY, THE 6TH OR TUESDAY, THE 7TH. 9/10/18:RECEIVED MESSAGE FROM PAM BROWN - DEC CENTRAL OFFICE DER CONTRACTS SECTION. SHE SAID HER SUPERVISOR DAVE GARDNER THAT WORK CAN CONTINUE WITH LIRO RNGINEERS BEING THE CONTRACTOR AND SUBCONTRACTING THE REMAINING TREATMENT INJECTIONS TO SJB SERVICES. SJB SERVICES WAS A SUBSIDIARY OF EMPIRE GEOSERVICES THAT PERFORMED WORK UNDER STATE CONTRACT. 9/13/18:SAC TELECON STEVE FRANK - LIRO ENGINEERS. HE WILL FOLLOW UP W/DAVE STEINER TO SCHEDULE THE LAST OF THE TREATMENT INJECTIONS AND THEN THE POST-TREATMENT SAMPLING. 10/3/18:SAC TELECON DAVE STEINER. WORK WILL MOST LIKELY BE SCHEDULED FOR THE 2ND HALF OF THIS MONTH. 11/6/18:SAC TELECON DAVE STEINER. MR. STEINER SAID THEY COMPLETED THE TREATMENT APPLICATIONS LAST MONDAY AND TUESDAY. 2/28/19:SAC TELECON CRAIG TAYLOR - LIRO ENGINEERS. MR. TAYLOR SAID SAMPLING OF WELLS HAS BEEN RESCHEDULED FOR NEXT WEEK. 3/4/19:RECEIVED MESSAGE FROM CRAIG TAYLOR. MW SAMPLING SCHEDULED FOR 3/7/19. 3/7/19:SAC INSPECT SITE. MET W/ANDY - LIRO ENGINEERS. GROUND IS COVERED WITH THIN LAYER OF FROZEN SNOW. WELLS NOT APPARENT. MAY HAVE TO WAIT UNTIL NEXT WEEK TO SAMPLE. SAC TELECON CRAIG TAYLOR. THEY WERE UNABLE TO LOCATE WELLS. SO THEY WILL WAIT FOR A THAW BEFORE TRYING TO SAMPLE. THEY MAY ALSO TAKE THE SOIL SAMPLES THE SAME DAY THEY SAMPLE THE WELLS. 3/19/19:RECEIVED MESSAGE FROM CRAIG TAYLOR. THEY HAVE SCHEDULED THE SOIL SAMPLING FOR TOMORROW AND WILL FOLLOW UP ON THE WELL SAMPLING THE NEXT DAY. 3/20/19:MEM, CMM AND SAC INSPECT

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SITE. MET W/DAN SHELDON - LIRO ENGINEERS AND RANDY STEINER. THEY ARE INSTALLING GEOPROBES TO SAMPLE SOIL. EXPECT THIS PHASE TO BE COMPLETED TODAY. 3/25/19:RECEIVED GW MONITORING WELL SAMPLE RESULTS. 3/29/19:RECEIVED GEOPROBE SOIL SAMPLE RESULTS. 4/10/19:SAC TELECON CRAIG TAYLOR. MR. TAYLOR SAID HE IS PUTTING TOGETHER A REPORT FOR THE LATEST GEOPROBE SOIL SAMPLING AND GW MONITORING WELL RESULTS. 4/23/19:RECEIVED POST-INJECTION SOIL AND GW SAMPLING REPORT FROM LIRO. 5/1/19:SAC SPOKE TO MEM REGARDING POST TREATMENT SAMPLING REPORT. BASED ON RESULTS FURTHER WORK RECOMMENDED. SAC TO FOLLOW UP W/LIRO REGARDING EXCAVATING AREAS OF ELEVATED LEVELS ABOVE CP-51 GUIDANCE VALUES."

Remarks: "soil readings taken for bank sale - clean up pending"

All Materials:

Site ID:	464144
Operable Unit ID:	1214212
Operable Unit:	01
Material ID:	2212240
Material Code:	0009
Material Name:	gasoline
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	Not Reported
Units:	Not Reported
Recovered:	Not Reported
Oxygenate:	Not Reported

FINDS: Other Ascertainable Records

Registry ID:	110014359586
Click Here:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110014359586

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.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=6uAA6wS0u4xkAMLlA.7M3PxNwG.bSLW10q6pA5yU4debxzH1kdtY4t7oM9w6LTzclytL3QAj.0E.7MmLMvY669ogP5lRx61pNegz5zBZGI8l.5uLbVNI4PCQLhCUWlF.1zQ6AYJTqBFt6AzPp08fC1N.53H3yoQTUoaw6VeNuaPFAbvwAemt31YAwlqFSNrd0Wur9Ldb4ihNxsRfkk7.4xNOMecELqQPl.J053SY.oF07KSjMWmI3F81PgGbxB83Npfx6plPGpRK.VVrbfLs5ST.LYFOWpc81Va93xRlqu.E615xpsFv63lru0GnAS6DA4wu4OpmwuiXSEwV0O563vtr4GTAxaKXkFDt9LEXMPKDLqm7lqbB5DUR.dJV7mCLMIioBVZdPyanxczmNilx91SeG.8u.FIEbFvuCqnULb7bWR6j1W8aCiiwqGMQ6nkKpWXT8BrB5pgxy6SDUeNN2x5Xd.yKemgGbOBh5T0DzY9KHz8d1UpivPKAdYdttW.SYlMW69FCu4USABneA0ex4ESbwPS0ScfZ0Jzy3On34hYIxPbIkQ6s4TAOM8WtLCLCldGq3lXS.C9z7CYxM.1T3XVPPq5UxcVANx7q9o.RGM1o.eWDbfD8BZgiLDqdW5861QOl4Dvsq9tR6KarpgxU3a335X9JylY4Un5N8BBidKEjeYYabfyqCJNkz578Hkz31d735yOTdMDztgWHYcyS3 additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

Envid:	1006810592
Registry ID:	110014359586

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110014359586
Name:	CALAMAR CONSTRUCTION MGMT INC
Address:	190 OLIVER ST SUITE 100
City,State,Zip:	NORTH TONAWANDA, NY 14120

NY MANIFEST: Other Ascertainable Records

Name:	CALAMAR
Address:	190 OLIVER ST SUITE 100
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYR000114033
Facility Status:	Not Reported
Location Address 1:	190 OLIVER ST
Code:	BP
Location Address 2:	Not Reported
Total Tanks:	Not Reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not Reported

NY MANIFEST:

EPAID:	NYR000114033
Mailing Name:	CALAMAR
Mailing Contact:	WILLIAM KELLER
Mailing Address 1:	190 OLIVER ST
Mailing Address 2:	Not Reported
Mailing City:	NORTH TONAWANDA
Mailing State:	NY
Mailing Zip:	14120
Mailing Zip 4:	Not Reported
Mailing Country:	USA
Mailing Phone:	7166930006

NY MANIFEST:

Document ID:	NYG3459915
Manifest Status:	Not Reported
seq:	01
Year:	2003
Trans1 State ID:	33302PANY
Trans2 State ID:	Not Reported
Generator Ship Date:	04/15/2003
Trans1 Recv Date:	04/15/2003
Trans2 Recv Date:	Not Reported
TSD Site Recv Date:	04/18/2003
Part A Recv Date:	Not Reported
Part B Recv Date:	Not Reported
Generator EPA ID:	NYR000114033
Trans1 EPA ID:	NYD986903904

CALAMAR CONSTRUCTION MGMT INC, 190 OLIVER ST SUITE 100, NORTH TONAWANDA, NY 14120 (Continued)

Trans2 EPA ID:	Not Reported
TSDF ID 1:	OHD083377010
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:	00013
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not Reported
Waste Code:	Not Reported
Waste Code:	Not Reported
Waste Code:	Not Reported
Quantity:	00008
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:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not Reported
Waste Code:	Not Reported
Waste Code:	Not Reported
Waste Code:	Not Reported
Quantity:	00010
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:	01.00

MAP FINDINGS

KRUG GLAZING PROPERTY 190 OLIVER STREET, NORTH TONAWANDA, NY, 14120			1010341217
▲ H17	E 1/10 - 1/3	(714 ft. / 0.135 mi.)	Local Brownfield lists Other Ascertainable Records
	3 ft. Higher Elevation	574 ft. Above Sea Level	

Worksheet:

US BROWNFIELDS: Local Brownfield lists

Name:	KRUG GLAZING PROPERTY
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.05-1-19
Parcel size:	3.61
Latitude:	43.027892
Longitude:	-78.875735
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	53341
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	2275
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:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	5/1/2007
Ownership Entity:	Private
Completion Date:	9/17/2007
Current Owner:	Richard Krug
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N

KRUG GLAZING PROPERTY, 190 OLIVER STREET, NORTH TONAWANDA, NY 14120 (Continued)

Photo Available:	Y
Institutional Controls Required:	N
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:	Y
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:	3.61
Future use greenspace acreage:	-

KRUG GLAZING PROPERTY, 190 OLIVER STREET, NORTH TONAWANDA, NY 14120 (Continued)

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:	Y
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:	Multiple buildings surround one main building on which Krug Glazing Company had manufactured and stored window products for large construction activities. It is currently dormant and the owner has attempted to sell it for more than two years with no success. The environmental condition is unknown, inhibiting redevelopment. As early as 1886, the site was used in the lumber industry and was used for various lumber processes until the early 1970's. The property is currently used by R.E. Krug Corporation for glazing and aluminum fabrication and Tread City Tire for tire distribution and warehousing. The property contains four buildings including a 37,222 sq. ft. office/warehouse built in 1938, a one-story cold storage building, a Quonset-type fabrication and assembly facility, and an automobile tire warehouse.
Below Poverty Number:	725
Below Poverty Percent:	19.1
Meidan Income:	3570
Meidan Income Number:	1497
Meidan Income Percent:	39.45
Vacant Housing Number:	190
Vacant Housing Percent:	9.14
Unemployed Number:	175
Unemployed Percent:	4.61

KRUG GLAZING PROPERTY, 190 OLIVER STREET, NORTH TONAWANDA, NY 14120 (Continued)

Name:	KRUG GLAZING PROPERTY
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.05-1-19
Parcel size:	3.61
Latitude:	43.027892
Longitude:	-78.875735
HCM Label:	Address Matching-House Number
Map Scale:	1:24,000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	-
Datum:	World Geodetic System of 1984
Acres Property ID:	53341
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1697
Assessment Funding Source:	-
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:	-
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	8/4/2008
Ownership Entity:	Private
Completion Date:	8/4/2008
Current Owner:	Richard Krug
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
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:	-

KRUG GLAZING PROPERTY, 190 OLIVER STREET, NORTH TONAWANDA, NY 14120 (Continued)

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:	Y
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:	3.61
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:	-

KRUG GLAZING PROPERTY, 190 OLIVER STREET, NORTH TONAWANDA, NY 14120 (Continued)

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:	Y
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:	Multiple buildings surround one main building on which Krug Glazing Company had manufactured and stored window products for large construction activities. It is currently dormant and the owner has attempted to sell it for more than two years with no success. The environmental condition is unknown, inhibiting redevelopment. As early as 1886, the site was used in the lumber industry and was used for various lumber processes until the early 1970's. The property is currently used by R.E. Krug Corporation for glazing and aluminum fabrication and Tread City Tire for tire distribution and warehousing. The property contains four buildings including a 37,222 sq. ft. office/warehouse built in 1938, a one-story cold storage building, a Quonset-type fabrication and assembly facility, and an automobile tire warehouse.
Below Poverty Number:	725
Below Poverty Percent:	19.1
Meidan Income:	3570
Meidan Income Number:	1497
Meidan Income Percent:	39.45
Vacant Housing Number:	190
Vacant Housing Percent:	9.14
Unemployed Number:	175
Unemployed Percent:	4.61

ECHO: Other Ascertainable Records

Envid:	1010341217
Registry ID:	110031005828
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110031005828
Name:	KRUG GLAZING PROPERTY
Address:	190 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120

MAP FINDINGS

NYNEX 95 TREMONT ST, NORTH TONAWANDA, NY, 14120-5910			1000137036
▲ 18	SE 1/10 - 1/3	(1333 ft. / 0.252 mi.)	State and tribal leaking storage tank lists Records of Emergency Release Reports Other Ascertainable Records
	4 ft. Higher Elevation	575 ft. Above Sea Level	

Worksheet:

LTANKS: State and tribal leaking storage tank lists

Name:	NEW YORK TELEPHONE
Address:	95 TREMONT STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9402427 / 1994-06-15
Facility ID:	9402427
Site ID:	80475
Spill Date:	1994-05-18
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	1994-06-15
SWIS:	3212
Investigator:	SACALAND
Referred To:	Not Reported
Reported to Dept:	1994-05-18
CID:	Not Reported
Water Affected:	Not Reported
Spill Notifier:	Tank Tester
Last Inspection:	1994-05-20
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1994-05-19
Spill Record Last Update:	1994-07-11
Spiller Name:	Not Reported
Spiller Company:	NEW YORK TELEPHONE
Spiller Address:	158 STATE STREET
Spiller County:	001
Spiller Contact:	Not Reported
Spiller Phone:	Not Reported
Spiller Extention:	Not Reported
DEC Region:	9
DER Facility ID:	74576
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 06/15/94: RECEIVED INCIDENT REPORT FROM B.BUZZELLI/NCHD. NO FURTHER ACTION REQUIRED. "
Remarks:	"TANK TEST FAILURE."

All TTF:

Facility ID:	9402427

NYNEX, 95 TREMONT ST, NORTH TONAWANDA, NY 14120-5910 (Continued)

Spill Number:	9402427
Spill Tank Test:	1542747
Site ID:	80475
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:	80475
Operable Unit ID:	996215
Operable Unit:	01
Material ID:	382618
Material Code:	0008
Material Name:	diesel
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not Reported
Recovered:	.00
Oxygenate:	Not Reported

SPILLS: Records of Emergency Release Reports

Name:	VERIZON
Address:	95 TREMONT STREET
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	0211918 / 2003-08-20
Facility ID:	0211918
Facility Type:	ER
DER Facility ID:	196003
Site ID:	237980
DEC Region:	9
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	1500
Spill Date:	2003-02-11
Investigator:	SACALAND
Referred To:	Not Reported
Reported to Dept:	2003-03-03

NYNEX, 95 TREMONT ST, NORTH TONAWANDA, NY 14120-5910 (Continued)

CID:	204
Water Affected:	Not Reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not Reported
Cleanup Meets Std:	True
Last Inspection:	2003-08-11
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-03-03
Spill Record Last Update:	2004-05-28
Spiller Name:	Not Reported
Spiller Company:	UNKNOWN
Spiller Address:	Not Reported
Spiller Company:	001
Contact Name:	CLAUDIA TACCETTA-VICARI
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 3/4/03:SAC TELECON CLAUDIA TACCETTA-VICARI, MS. VICARI SAID THAT A REPRESENTATIVE THE SITE NOTICED A SHEEN IN THE SUMP LAST SEPTEMBER, AT THE TIME THEY PUMPED AND CLEANED OUT THE SUMP BUT IT HAS SINCE REAPPEARED, MS. TACCETTA-VICARI SAID THAT UPON IT REAPPEARING LAST MONTH SHE HAD IT SAMPLED AND ANALYZED AND THE RESULTS CAME BACK POSITIVE FOR LUBE OIL (RESULTS WERE FAXED TO SAC), SHE IS GOING TO HAVE C&W ENVIRONMENTAL CLEAN OUT THE SUMP AND PIPING, SHE IS HAVING HER CONSULTANT, JEFF BOHLEN OF ENVIROTRAC (PHONE NO. 631-471-1500) COME TO THE SITE NEXT WEEK TO INSPECT AREA AND MAKE RECOMMENDATIONS ON THEIR NEXT STEP. 3/4/03:SAC TELECON CHARISSE BROWN - C&W ENVIRONMENTAL, MS. BROWN IS THE PROJECT MANAGER FOR THE SITE AND WILL SEND IN DISPOSAL RECEIPTS FOR THE SITE ONCE IT HAS BEEN COMPLETED. 8/5/03:RECEIVED REPORT FROM VERIZON INDICATING THE MATERIAL IN THE SUMP WAS A LUBRICATING TYPE OIL, THEY HAVE BEEN INSPECTING THE SUMP AND NO FURTHER PRODUCT WAS FOUND IN THE SUMP, DISPOSAL RECEIPTS WERE INCLUDED IN REPORT. 8/11/03:SAC INSPECT SITE, MET W/PATRICK MILNER & PAUL KUTECKI OF VERIZON, CHECKED SUMP, THERE WAS AN ODOR THAT MIGHT HAVE BEEN MORE OF A MOTOR OIL, THERE WAS A FILM ON THE WATER BUT NO RAINBOW SHEEN WAS OBSERVED, THERE WAS SOME SEDIMENT AS WELL FLOATING ON THE SUMP WATER, THE OTHER SUMPS HAD A SLIGHT FILM BUT NO RAINBOW SHEEN, NO SOURCE EVIDENT, PRODUCT WAS COLLECTED PREVIOUSLY TO BE PUT INTO A WASTE OIL TANK, IT HAD THE APPEARANCE AND ODOR OF A LUBE OIL, ONLY TANK ON-SITE IS DIESEL TANK FOR THE BACKUP GENERATOR, MR. MILNER SAID THEY NOW CHECK SUMP EVERY SIX MONTHS SO IF PRODUCT IS OBSERVED

NYNEX, 95 TREMONT ST, NORTH TONAWANDA, NY 14120-5910 (Continued)

AGAIN THEY WILL NOTIFY DEC, NO FURTHER WORK REQUIRED. 8/20/03:SAC TELECON CLAUDIA VICARI, NO BORINGS OR SUBSURFACE INVESTIGATION WORK WAS DONE AROUND THE BUILDING, CLOSEOUT FILE."

Remarks: "INTO SUMP AREA - SAMPLES ARE BACK AND THEY STATE THAT ALL BUT LUBE OIL IS 18200PPM AND LUBE OIL IS 47200PPM."

All Materials:

Site ID:	237980
Operable Unit ID:	862927
Operable Unit:	01
Material ID:	511700
Material Code:	0013
Material Name:	lube oil
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not Reported

RCRA NonGen / NLR: Other Ascertainable Records

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	NYNEX
Handler Address:	95 TREMONT ST
Handler City,State,Zip:	NORTH TONAWANDA, NY 14120-5910
EPA ID:	NYD981484405
Contact Name:	Not Reported
Contact Address:	E 37TH ST
Contact City,State,Zip:	NEW YORK, NY 10016
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 R9
Mailing Address:	E 37TH ST
Mailing City,State,Zip:	NEW YORK, NY 10016
Owner Name:	NYNEX
Owner Type:	Private
Operator Name:	NYNEX
Operator Type:	Private

NYNEX, 95 TREMONT ST, NORTH TONAWANDA, NY 14120-5910 (Continued)

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

NYNEX, 95 TREMONT ST, NORTH TONAWANDA, NY 14120-5910 (Continued)

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:	NONE
Waste Description:	Not Defined
Waste Code:	X002
Waste Description:	Not Defined

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NYNEX
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	95 TREMONT ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14150
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:	NYNEX
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	95 TREMONT ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14150
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:	NYNEX

NYNEX, 95 TREMONT ST, NORTH TONAWANDA, NY 14120-5910 (Continued)

Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	95 TREMONT ST
Owner/Operator City,State,Zip:	NORTH TONAWANDA, NY 14150
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:	NYNEX
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:	NYNEX
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:	NYNEX
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

NYNEX, 95 TREMONT ST, NORTH TONAWANDA, NY 14120-5910 (Continued)

Electronic Manifest Broker:	Not Reported
Receive Date:	1995-01-17 00:00:00.0
Handler Name:	NYNEX
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 Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS: Other Ascertainable Records

Registry ID:	110006445123
Click Here:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110006445123

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.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2X21XE11118NEw2r1E131j48NC35wK2Ero8fEZAt3g2jX91B1e7gE62S193G1F1tNm4mwr3Zru1GEa2QXU2D1n1nEa7C1O3N169kNX7dwPAYr7A5Em6y3X08ji3Z8Xt7CE2oXc2R1A1KE32L1Q1j1b1mNZ1fwD2or84.E28E3W1BjN468x7oCQ1 additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

Envid:	1000137036
Registry ID:	110006445123
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110006445123
Name:	NYNEX
Address:	95 TREMONT ST
City,State,Zip:	NORTH TONAWANDA, NY 14120

NY MANIFEST: Other Ascertainable Records

Name:	NEW YORK TELEPHONE CO
Address:	95 TREMONT ST

NYNEX, 95 TREMONT ST, NORTH TONAWANDA, NY 14120-5910 (Continued)

City,State,Zip:	NORTH TONAWANDA, NY 14120-5910
Country:	USA
EPA ID:	NYD981484405
Facility Status:	Not Reported
Location Address 1:	95 TREMONT ST
Code:	BP
Location Address 2:	Not Reported
Total Tanks:	Not Reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not Reported

NY MANIFEST:

EPAID:	NYD981484405
Mailing Name:	NEW YORK TELEPHONE CO
Mailing Contact:	NEW YORK TELEPHONE CO
Mailing Address 1:	101 EXECUTIVE BLVD
Mailing Address 2:	Not Reported
Mailing City:	ELMSFORD
Mailing State:	NY
Mailing Zip:	10523
Mailing Zip 4:	Not Reported
Mailing Country:	USA
Mailing Phone:	9143452843

NY MANIFEST:

Document ID:	NYB4867353
Manifest Status:	K
seq:	Not Reported
Year:	1994
Trans1 State ID:	OH084
Trans2 State ID:	Not Reported
Generator Ship Date:	12/06/1994
Trans1 Recv Date:	12/06/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/27/1994
Part A Recv Date:	12/22/1994
Part B Recv Date:	01/10/1995
Generator EPA ID:	NYD981484405
Trans1 EPA ID:	OHD981100969
Trans2 EPA ID:	Not Reported
TSDF ID 1:	OHD981960123
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

NYNEX, 95 TREMONT ST, NORTH TONAWANDA, NY 14120-5910 (Continued)

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:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Waste Code:	Not Reported
Waste Code:	Not Reported
Waste Code:	Not Reported
Waste Code:	Not Reported
Waste Code:	Not Reported
Quantity:	00968
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Waste Code:	Not Reported
Waste Code:	Not Reported
Waste Code:	Not Reported
Waste Code:	Not Reported
Quantity:	00041
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

53 OLIVER STREET 53 OLIVER STREET, NORTH TONAWANDA, NY, 14120			1025442063
▲ V19	ESE 1/10 - 1/3	(1490 ft. / 0.282 mi.)	Local Brownfield lists
	4 ft. Higher Elevation	575 ft. Above Sea Level	

Worksheet:

US BROWNFIELDS: Local Brownfield lists

Name:	53 OLIVER STREET
Address:	53 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	County of Niagara New York
Grant Type:	Assessment
Property Number:	185.30-2-7.11
Parcel size:	0.43
Latitude:	43.024305

53 OLIVER STREET, 53 OLIVER STREET, NORTH TONAWANDA, NY 14120 (Continued)

Longitude:	-78.872988
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:	218341
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	1150
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:	96277116
Start Date:	5/11/2016
Ownership Entity:	Private
Completion Date:	6/27/2016
Current Owner:	53 Oliver, LLC
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-

53 OLIVER STREET, 53 OLIVER STREET, NORTH TONAWANDA, NY 14120 (Continued)

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:	Y
Petro products cleaned:	Y
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:	0.43
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:	-

53 OLIVER STREET, 53 OLIVER STREET, NORTH TONAWANDA, NY 14120 (Continued)

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:	Y
Media affected indoor air:	Y
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The site was previously used as a gasoline service station and automotive repair facility and is improved with a 6,950 sq.ft. concrete building. The building is currently used for storage and non-commercial automotive repair. In 2007, New York State Department of Environmental Conservation removed 11 USTs and approximately 5,044.22 tons of petroleum-impacted soil. Investigation was not conducted inside the building. The City of North Tonawanda foreclosed on the property for back taxes and the site was sold at auction. The current property owner is 53 Oliver LLC.
Below Poverty Number:	807
Below Poverty Percent:	26.35
Meidan Income:	2995
Meidan Income Number:	1312
Meidan Income Percent:	42.83
Vacant Housing Number:	205
Vacant Housing Percent:	11.74
Unemployed Number:	119
Unemployed Percent:	3.89
Name:	53 OLIVER STREET
Address:	53 OLIVER STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	County of Niagara New York
Grant Type:	Assessment
Property Number:	185.30-2-7.11
Parcel size:	0.43
Latitude:	43.024305
Longitude:	-78.872988
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:	218341
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-

53 OLIVER STREET, 53 OLIVER STREET, NORTH TONAWANDA, NY 14120 (Continued)

Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	32318
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 II Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	96277116
Start Date:	5/11/2016
Ownership Entity:	Private
Completion Date:	12/12/2017
Current Owner:	53 Oliver, LLC
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
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:	-

53 OLIVER STREET, 53 OLIVER STREET, NORTH TONAWANDA, NY 14120 (Continued)

Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	Y
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:	0.43
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:	-

53 OLIVER STREET, 53 OLIVER STREET, NORTH TONAWANDA, NY 14120 (Continued)

Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	Y
Media affected indoor air:	Y
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	The site was previously used as a gasoline service station and automotive repair facility and is improved with a 6,950 sq.ft. concrete building. The building is currently used for storage and non-commercial automotive repair. In 2007, New York State Department of Environmental Conservation removed 11 USTs and approximately 5,044.22 tons of petroleum-impacted soil. Investigation was not conducted inside the building. The City of North Tonawanda foreclosed on the property for back taxes and the site was sold at auction. The current property owner is 53 Oliver LLC.
Below Poverty Number:	807
Below Poverty Percent:	26.35
Meidan Income:	2995
Meidan Income Number:	1312
Meidan Income Percent:	42.83
Vacant Housing Number:	205
Vacant Housing Percent:	11.74
Unemployed Number:	119
Unemployed Percent:	3.89

HURTUBISE TIRE
TREMONT STREET AND OLIVER, NORTH TONAWANDA, NY, S102234078

▲ V20	SE 1/10 - 1/3	(1536 ft. / 0.291 mi.)	State and tribal leaking storage tank lists
	5 ft. Higher Elevation	576 ft. Above Sea Level	

Worksheet:

LTANKS: State and tribal leaking storage tank lists

Name:	HURTUBISE TIRE
Address:	TREMONT STREET AND OLIVER
City,State,Zip:	NORTH TONAWANDA, NY
Spill Number/Closed Date:	9507868 / 1995-12-06
Facility ID:	9507868
Site ID:	188884
Spill Date:	1995-09-23
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	E6
Cleanup Ceased:	Not Reported
SWIS:	1500
Investigator:	SORGI
Referred To:	Not Reported
Reported to Dept:	1995-09-26
CID:	Not Reported
Water Affected:	Not Reported
Spill Notifier:	Citizen

HURTUBISE TIRE, TREMONT STREET AND OLIVER, NORTH TONAWANDA, NY (Continued)

Last Inspection:	Not Reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1995-09-27
Spill Record Last Update:	2003-02-10
Spiller Name:	Not Reported
Spiller Company:	NONE
Spiller Address:	Not Reported
Spiller County:	999
Spiller Contact:	Not Reported
Spiller Phone:	Not Reported
Spiller Extention:	Not Reported
DEC Region:	9
DER Facility ID:	157727
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJS 09/26/95: NCHD NOTIFIED AND WILL INSPECT. 09/27/95: NCHD INSPECTED ON 9/26 AND FOUND NO EVIDENCE OF DUMPING. THEY WILL FORWARD REPORT FOR CLOSURE OF FILE. 12/06/95: RECEIVED REPORT FROM NCHD. COMPLAINT UNFOUNDED. POSSIBLE EX-EMPLOYEE DISPUTE. NO FURTHER ACTION REQUIRED. MJS CLOSE FILE. "
Remarks:	"REMOVED BLACKTOP AND PIPING OVER THE WEEKEND. CALLER STATES TANK WERE LEFT IN PLACE AND SOIL THAT APPEARS TO BE CONTAMINATED IS BEING HAULED TO BUSH NURSERIES ON SWEENEY STREET."

All Materials:

Site ID:	188884
Operable Unit ID:	1018738
Operable Unit:	01
Material ID:	362312
Material Code:	0009
Material Name:	gasoline
Case No.:	Not Reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not Reported

REMINGTON RAND BUILDING 184 SWEENEY STREET, NORTH TONAWANDA, NY, 14120		S110306159	
▲ AA21	SE 1/10 - 1/3	(1718 ft. / 0.325 mi.)	State and tribal institutional control / engineering control registries
	1 ft. Higher Elevation	572 ft. Above Sea Level	State and tribal Brownfields sites

MAP FINDINGS

Worksheet:

ENG CONTROLS: State and tribal institutional control / engineering control registries

Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Site Code:	391230
HW Code:	Not Reported
Control Code:	15
Control Type:	ENG
Date Record Added:	09/21/2010
Date Rec Updated:	05/20/2020
Updated By:	GMMAY
Site Description:	Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.

Health Problem: Completed remedial activities have eliminated potential routes of

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

	exposure to low level 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:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not Reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB aroclor 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	b9-0780-08-06
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	4/17/2009 11:46:00 AM
Record Updated:	4/17/2009 11:46:00 AM

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Updated By:	THKNIZEK
Crossref ID:	Instrument 2010-14851
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/19/2010 10:13:00 AM
Record Updated:	10/19/2010 10:16:00 AM
Updated By:	mjhinton
Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Site Code:	391230
HW Code:	Not Reported
Control Code:	13
Control Type:	ENG
Date Record Added:	09/21/2010
Date Rec Updated:	05/20/2020
Updated By:	GMMAY
Site Description:	Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

	Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.
Health Problem:	Completed remedial activities have eliminated potential routes of exposure to low level 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:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not Reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

HW Code:	Not Reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ARSENIC

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB aroclor 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Crossref ID:	b9-0780-08-06
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	4/17/2009 11:46:00 AM
Record Updated:	4/17/2009 11:46:00 AM
Updated By:	THKNIZEK
Crossref ID:	Instrument 2010-14851
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/19/2010 10:13:00 AM
Record Updated:	10/19/2010 10:16:00 AM
Updated By:	mjhinton

INST CONTROL: State and tribal institutional control / engineering control registries

Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Site Code:	391230
Control Name:	IC/EC Plan
HW Code:	Not Reported
Control Code:	34
Control Type:	INST
Dt record added:	09/21/2010
Dt rec updated:	05/20/2020
Updated By:	GMMAY
Site Code:	391230
Site Description:	Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

	remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.
Health Problem:	Completed remedial activities have eliminated potential routes of exposure to low level 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:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not Reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

HW Code:	Not Reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CADMIUM

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB aroclor 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

HW Code:	Not Reported
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	b9-0780-08-06
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	4/17/2009 11:46:00 AM
Record Updated:	4/17/2009 11:46:00 AM
Updated By:	THKNIZEK
Crossref ID:	Instrument 2010-14851
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/19/2010 10:13:00 AM
Record Updated:	10/19/2010 10:16:00 AM
Updated By:	mjhinton
Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Site Code:	391230
Control Name:	Environmental Easement
HW Code:	Not Reported
Control Code:	Not Reported
Control Type:	INST
Dt record added:	09/21/2010
Dt rec updated:	05/20/2020
Updated By:	GMMAY
Site Code:	391230
Site Description:	Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation,

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

	monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.
Env Problem:	Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.
Health Problem:	Completed remedial activities have eliminated potential routes of exposure to low level 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:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not Reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

HW Code:	Not Reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	MANGANESE

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

HW Code:	Not Reported
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB aroclor 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	b9-0780-08-06
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	4/17/2009 11:46:00 AM
Record Updated:	4/17/2009 11:46:00 AM
Updated By:	THKNIZEK
Crossref ID:	Instrument 2010-14851
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/19/2010 10:13:00 AM
Record Updated:	10/19/2010 10:16:00 AM
Updated By:	mjhinton
Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Site Code:	391230
Control Name:	Site Management Plan
HW Code:	Not Reported
Control Code:	32
Control Type:	INST
Dt record added:	09/21/2010
Dt rec updated:	05/20/2020
Updated By:	GMMAY
Site Code:	391230
Site Description:	Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

	the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.
Env Problem:	Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.
Health Problem:	Completed remedial activities have eliminated potential routes of exposure to low level 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:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not Reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ANTHRACENE

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

HW Code:	Not Reported
Waste Type:	FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB aroclor 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	b9-0780-08-06
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	4/17/2009 11:46:00 AM
Record Updated:	4/17/2009 11:46:00 AM
Updated By:	THKNIZEK
Crossref ID:	Instrument 2010-14851
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/19/2010 10:13:00 AM
Record Updated:	10/19/2010 10:16:00 AM
Updated By:	mjhinton
Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Site Code:	391230
Control Name:	O&M Plan
HW Code:	Not Reported
Control Code:	33
Control Type:	INST
Dt record added:	09/21/2010
Dt rec updated:	05/20/2020
Updated By:	GMMAY
Site Code:	391230
Site Description:	Location: The property and bound to the north by Tremont Street, to

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

	between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.
Env Problem:	Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.
Health Problem:	Completed remedial activities have eliminated potential routes of exposure to low level 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:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not Reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PYRENE

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

HW Code:	Not Reported
Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB aroclor 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	b9-0780-08-06
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	4/17/2009 11:46:00 AM
Record Updated:	4/17/2009 11:46:00 AM
Updated By:	THKNIZEK
Crossref ID:	Instrument 2010-14851
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/19/2010 10:13:00 AM
Record Updated:	10/19/2010 10:16:00 AM
Updated By:	mjhinton
Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Site Code:	391230
Control Name:	Ground Water Use Restriction

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

HW Code:	Not Reported
Control Code:	8
Control Type:	INST
Dt record added:	09/21/2010
Dt rec updated:	05/20/2020
Updated By:	GMMAY
Site Code:	391230
Site Description:	Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

	site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.
Env Problem:	Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.
Health Problem:	Completed remedial activities have eliminated potential routes of exposure to low level contamination.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Pond:	False
Disp Start:	Not Reported
Disp Term:	Not Reported
Lat/Long:	Not Reported
Dell:	Not Reported
Record Add:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not Reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO[K]FLUORANTHENE

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

HW Code:	Not Reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB aroclor 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	b9-0780-08-06
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	4/17/2009 11:46:00 AM
Record Updated:	4/17/2009 11:46:00 AM
Updated By:	THKNIZEK
Crossref ID:	Instrument 2010-14851
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/19/2010 10:13:00 AM

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Record Updated:	10/19/2010 10:16:00 AM
Updated By:	mjhinton
Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Site Code:	391230
Control Name:	Monitoring Plan
HW Code:	Not Reported
Control Code:	31
Control Type:	INST
Dt record added:	09/21/2010
Dt rec updated:	05/20/2020
Updated By:	GMMAY
Site Code:	391230
Site Description:	Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Health Problem:	Completed remedial activities have eliminated potential routes of exposure to low level 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:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not Reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

HW Code:	Not Reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1 TCA

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB aroclor 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	b9-0780-08-06
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	4/17/2009 11:46:00 AM

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Record Updated:	4/17/2009 11:46:00 AM
Updated By:	THKNIZEK
Crossref ID:	Instrument 2010-14851
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/19/2010 10:13:00 AM
Record Updated:	10/19/2010 10:16:00 AM
Updated By:	mjhinton
Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Site Code:	391230
Control Name:	Landuse Restriction
HW Code:	Not Reported
Control Code:	25
Control Type:	INST
Dt record added:	09/21/2010
Dt rec updated:	05/20/2020
Updated By:	GMMAY
Site Code:	391230
Site Description:	Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use. Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of public health and the environment.

Env Problem: Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

	to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.
Health Problem:	Completed remedial activities have eliminated potential routes of exposure to low level 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:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not Reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB aroclor 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Type:	BENZO(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	b9-0780-08-06
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	4/17/2009 11:46:00 AM
Record Updated:	4/17/2009 11:46:00 AM
Updated By:	THKNIZEK
Crossref ID:	Instrument 2010-14851
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/19/2010 10:13:00 AM
Record Updated:	10/19/2010 10:16:00 AM
Updated By:	mjhinton

BROWNFIELDS: State and tribal Brownfields sites

Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Program:	BCP
Site Code:	391230
Acres:	1.8
HW Code:	C932142
SWIS:	3212
Town:	North Tonawanda (c)
Record Added Date:	12/19/2007
Record Updated Date:	07/15/2019
Update By:	SFRADON
Site Description:	Location: The property and bound to the north by Tremont Street, to the west by Marion Street, to the south by Sweeney Street, and to the east by an active CSX railroad line. Tonawanda Creek/Erie Canal is located just over 150 feet south across Sweeney Street. This is an active recreation area and part of the Erie Canal system. Site Features: The property is relatively flat and consists of a 1.8-acre parcel and includes an approximately 37,570 square foot slab-on-grade four-story concrete block and brick building. Also, a one-story slab-on grade brick building that occupies approximately 14,100 square feet adjoins the four-story building on the south. The remainder of the property is occupied by asphalt/concrete and gravel parking areas with some green space. The use and configuration of buildings on this property has varied over time resulting in portions of the current buildings being located over former manufacturing areas. Current Zoning: The property is zoned for commercial use.

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Historical Use: A BCP application was submitted for the renovation and rehabilitation of the 1.8 acre Remington Rand Building located at 184 Sweeney Street, North Tonawanda, Niagara County. The site is located in a commercial area of the City of North Tonawanda and is bounded by the Erie Canal/Tonawanda Creek to the south, a Railroad embankment to the east and commercial property to the north and west. the last 100 years, the Site has been used for industrial and manufacturing purposes. Known or suspected contaminants are petroleum, chlorinated solvents, PAHs, metals, and PCBs. These contaminants are impacting the soil and groundwater. This site has been remediated. The Department signed the Certificate of Completion on November 30, 2010. The Site's intended future use is restricted residential. Geology/Hydrology: In general, fill material consisting of black to grey granular fill, including (C-F) coarse to fine gravel, (M-F) medium to fine sand and traces of concrete, wood, construction and demolition (C&D) debris and organic material was observed at 1-3 feet bgs at the north end and courtyard area of the site and up to 4 and 6 feet bgs in the south east parking area of the site. The soils below this layer consists of grey to brown, granular, loose, M-F sand and silt from 3 to 10 feet bgs. Soil borings and test trenches were terminated in reddish brown, tight, clay with M-F sand and C-F gravel lenses with traces of silt at between 8 and 17 feet bgs. Soils in some boreholes/trenches were wet to saturated at between 11-16 feet As noted in section 2.5, groundwater was encountered in all 5 of the monitoring wells installed across the site. Based on the groundwater elevations recorded in the table provided in section 2.5 the groundwater appears to flow from the southeast to the northwest across the site. This is somewhat adverse to what would be expected with the Erie Canal located to the south of the property. However, with the overburden water table being fairly close to the surface, flow may be influenced by the site fill conditions and also by buried utility runs within the Tremont Street and Marion Street right of ways to the north and west respectively. Site Management: Site management activities include monitoring and maintenance of the existing cover system and the continued operation, monitoring and maintenance of the sub-slab depressurization system. The latest monitoring indicates that the remedy remains protective of

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

	public health and the environment.
Env Problem:	Contamination was identified during the Remedial Investigation of this site requiring a remedial program for the site to address the contamination. An RI/AA/IRM report documents the investigation and remedial action performed on site. No off-site exposure or groundwater contamination was identified during the remedial investigation or during the remedial action performed on site. No Further Action, other than site management activities, is recommended to address the site residual contamination. IRMs completed addressed soil and potential vapor intrusion exposures in the building. No Further Remedial Action is necessary. An Environmental easement was filed with the Niagara County clerk in September 2010 and a Site Management Plan was approved on August 30, 2010.
Health Problem:	Completed remedial activities have eliminated potential routes of exposure to low level 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:	1/3/2008 2:43:00 PM
Record Upd:	10/1/2012 12:21:00 PM
Updated By:	ldennist
Own Op:	6
Sub Type:	P03
Owner Name:	ERIC KAGER
Owner Company:	GOLD WYNN REMINGTON LOFTS, LLC
Owner Address:	298 Main street
Owner Addr2:	suite 222
Owner City,St,Zip:	buffalo, NY 14202
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not Reported
Owner Company:	NORTH TONAWANDA PUBLIC LIBRARY
Owner Address:	505 MEADOW DRIVE
Owner Addr2:	Not Reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
HW Code:	Not Reported
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BARIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	DIBENZ[A,H]ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	indeno(1,2,3-cd)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO[K]FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CHROMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(B)FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PHENANTHRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	MANGANESE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Type:	BENZ(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB-AROCLOR 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1 TCA
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(GHI)PERYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	Chrysene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	FLUORANTHENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-TCA
Waste Quantity:	UNKNOWN

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	PCB aroclor 1248
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	1,1,1-Trichloroethane(TCA)
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
HW Code:	Not Reported
Waste Type:	BENZO(A)ANTHRACENE
Waste Quantity:	UNKNOWN
Waste Code:	Not Reported
Crossref ID:	b9-0780-08-06
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	4/17/2009 11:46:00 AM
Record Updated:	4/17/2009 11:46:00 AM
Updated By:	THKNIZEK
Crossref ID:	Instrument 2010-14851
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	10/19/2010 10:13:00 AM
Record Updated:	10/19/2010 10:16:00 AM
Updated By:	mjhinton

REMINGTON RAND BUILDING 184 SWEENEY STREET, NORTH TONAWANDA, NY, 14120		1012211734
▲ AA22	SE 1/10 - 1/3 (1718 ft. / 0.325 mi.)	Federal RCRA generators list Local Brownfield lists Other Ascertainable Records
	1 ft. Higher Elevation 572 ft. Above Sea Level	

Worksheet:

RCRA-SQG: Federal RCRA generators list

Date Form Received by Agency:	2010-01-25 00:00:00.0
Handler Name:	REMINGTON & RAND BUILDING
Handler Address:	184 SWEENEY ST
Handler City,State,Zip:	NORTH TONAWANDA, NY 14120
EPA ID:	NYR000171413
Contact Name:	DAVID SANFORD
Contact Address:	SWEENEY ST
Contact City,State,Zip:	NORTH TONAWANDA, NY 14120
Contact Telephone:	716-822-4966
Contact Fax:	Not Reported
Contact Email:	Not Reported
Contact Title:	Not Reported
EPA Region:	02
Land Type:	Private

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

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 R9
Mailing Address:	SWEENEY ST
Mailing City,State,Zip:	NORTH TONAWANDA, NY 14120
Owner Name:	REMINGTON LOFTS ON THE CANAL LLC
Owner Type:	Private
Operator Name:	REMINGTON LOFTS ON THE CANAL 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

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

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:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	REMINGTON LOFTS ON THE CANAL LLC
Legal Status:	Private
Date Became Current:	2008-07-01 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:	REMINGTON LOFTS ON THE CANAL LLC
Legal Status:	Private

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Date Became Current:	2008-07-01 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:	2010-01-25 00:00:00.0
Handler Name:	REMINGTON & RAND BUILDING
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:	53111
NAICS Description:	LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS
NAICS Code:	531311
NAICS Description:	RESIDENTIAL PROPERTY MANAGERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

US BROWNFIELDS: Local Brownfield lists

Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120
Recipient Name:	Niagara County
Grant Type:	Assessment
Property Number:	185.09-1-21
Parcel size:	1.8
Latitude:	43.02335
Longitude:	-78.8731
HCM Label:	Address Matching-House Number

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Map Scale:	1:24,000
Point of Reference:	Center of a Facility or Station
Highlights:	-
Datum:	North American Datum of 1983
Acres Property ID:	30704
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	2675
Assessment Funding Source:	-
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:	-
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	N
Cooperative Agreement Number:	99290801
Start Date:	7/1/2006
Ownership Entity:	Private
Completion Date:	9/1/2006
Current Owner:	Remington Lofts on the Canal, LLC
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
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:	9/19/2008
State/tribal program ID:	C932142
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	Y
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Groundwater cleaned:	-
Lead contaminant found:	-
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:	Y
PAHs cleaned up:	-
PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
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:	1.8
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	U
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:	-

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

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 property is located adjacent to the Erie Canal. The site had a shingle and sawmill from 1886 - 1910. From 1910 to 1951, Herschell-Spillman Co. manufactured carousels. In 1951, Remington Rand Inc. owned the facilites. A railroad line runs along the eastern property portion. The majority of the property is occupied by a slab on grade concrete block 4 story building 37,570 SF and a one story 14,100 SF brick building. The remainder of the property is asphalt and gravel. The site contains a 37,570 sq. ft four story building and a 14,100 sq ft. one story building and a 14,100 sq ft. one story building. The site is adjacent to the Erie Canal and is in the middle of the City of North Tonawanda s downtown. Prior to 1990, the site was used for lumber storage and shingle manufacturing. From 1900 to the early 1920 s the site was used by Herschel-Spillman Company who manufactured carousels and other amusement rides. From 1925 to the mid 1970 s the site was used by Remington Rand for the manufacture of office equipment and other supplies. From the mid 1970 s to the present, the building complex was occupied by various commercial tenants.
Below Poverty Number:	845
Below Poverty Percent:	30.87
Meidan Income:	8314
Meidan Income Number:	1304
Meidan Income Percent:	47.64
Vacant Housing Number:	227
Vacant Housing Percent:	13.78
Unemployed Number:	119
Unemployed Percent:	4.35

FINDS: Other Ascertainable Records

Registry ID:	110038710749
Click Here:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110038710749

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.

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.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2U2KUs1rKm88so2.re1zmu4B8937oi2s.y8yeVAozd2NUS1yKY78sw2Tr83NmW1O8Q4Noi3j.J1gef29UO2tKH1AsG7FrC3.ms918d7uotAn.SAYeb6Bzr0fu83TBvtu9s2FUZ2GK41hsW2irc1rmv2S8W38oC39.U2VeM2Gze8tu44qBr5t9X1 additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Envid:	1012211734
Registry ID:	110038710749
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110038710749
Name:	REMINGTON RAND BUILDING
Address:	184 SWEENEY STREET
City,State,Zip:	NORTH TONAWANDA, NY 14120

NY MANIFEST: Other Ascertainable Records

Name:	SEG CONSTRUCTION TONAWANDA SITE / REMINGTON BAND
Address:	184 SWEENEY ST
City,State,Zip:	NORTH TONAWANDA, NY 14120
Country:	USA
EPA ID:	NYR000171413
Facility Status:	Not Reported
Location Address 1:	184 SWEENEY ST
Code:	BP
Location Address 2:	Not Reported
Total Tanks:	Not Reported
Location City:	NORTH TONAWANDA
Location State:	NY
Location Zip:	14120
Location Zip 4:	Not Reported

NY MANIFEST:

EPAID:	NYR000171413
Mailing Name:	SEG CONSTRUCTION TONAWANDA SITE / REMINGTON BAND
Mailing Contact:	STACEY GREEN
Mailing Address 1:	874 KLEIN ROAD
Mailing Address 2:	Not Reported
Mailing City:	WILLIAMSVILLE
Mailing State:	NY
Mailing Zip:	14221
Mailing Zip 4:	Not Reported
Mailing Country:	USA
Mailing Phone:	7166029105

NY MANIFEST:

Document ID:	Not Reported
Manifest Status:	Not Reported
seq:	Not Reported
Year:	Not Reported
Trans1 State ID:	NYD982792814
Trans2 State ID:	Not Reported
Generator Ship Date:	06/09/2010
Trans1 Recv Date:	06/09/2010
Trans2 Recv Date:	Not Reported
TSD Site Recv Date:	06/10/2010
Part A Recv Date:	Not Reported
Part B Recv Date:	Not Reported

REMINGTON RAND BUILDING, 184 SWEENEY STREET, NORTH TONAWANDA, NY 14120 (Continued)

Generator EPA ID:	NYR000171413
Trans1 EPA ID:	Not Reported
Trans2 EPA ID:	Not Reported
TSDF ID 1:	NYD049836679
TSDF ID 2:	Not Reported
Manifest Tracking Number:	000278817GBF
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:	1800
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	9
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	B007
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	10/28/2020	11/05/2020	11/25/2020
US	Proposed NPL	Proposed National Priority List Sites	EPA	10/28/2020	11/05/2020	11/25/2020
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	10/28/2020	11/05/2020	11/25/2020
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	06/15/2020	06/22/2020	09/17/2020
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	08/06/2020	08/21/2020	11/11/2020
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	10/28/2020	11/05/2020	11/18/2020
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	10/28/2020	11/05/2020	11/18/2020
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/15/2020	06/22/2020	09/17/2020
State and tribal - equivalent CERCLIS						
NY	SHWS	Inactive Hazardous Waste Disposal Sites in New York State	Department of Environmental Conservation	08/10/2020	08/11/2020	11/02/2020
State and tribal landfill / solid waste disposal						
NY	SWF/LF	Facility Register	Department of Environmental Conservation	07/01/2020	07/02/2020	09/22/2020
State and tribal leaking storage tank lists						
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/29/2020	05/20/2020	08/12/2020
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/14/2020	05/20/2020	08/12/2020
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/14/2020	05/20/2020	08/12/2020
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/15/2020	05/20/2020	08/12/2020
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/08/2020	05/20/2020	08/12/2020
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/14/2020	05/20/2020	08/12/2020
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	04/14/2020	05/26/2020	08/12/2020
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/08/2020	05/20/2020	08/12/2020
NY	LTANKS	Spills Information Database	Department of Environmental Conservation	08/10/2020	08/11/2020	11/05/2020
NY	HIST LTANKS	Listing of Leaking Storage Tanks	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal registered storage tank lists						
NY	TANKS	Storage Tank Faciliy Listing	Department of Environmental Conservation	06/22/2020	06/23/2020	09/09/2020
NY	UST	Petroleum Bulk Storage (PBS) Database	Department of Environmental Conservation	06/22/2020	06/23/2020	09/09/2020
NY	CBS UST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	MOSF UST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	AST	Petroleum Bulk Storage	Department of Environmental Conservation	06/22/2020	06/23/2020	09/09/2020
NY	CBS AST	Chemical Bulk Storage Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	MOSF AST	Major Oil Storage Facilities Database	NYSDEC	01/01/2002	02/20/2002	03/22/2002
NY	CBS	Chemical Bulk Storage Site Listing	Department of Environmental Conservation	06/22/2020	06/23/2020	09/09/2020
NY	MOSF	Major Oil Storage Facility Site Listing	Department of Environmental Conservation	06/22/2020	06/23/2020	09/09/2020
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/14/2020	05/20/2020	08/12/2020
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/03/2020	05/20/2020	08/12/2020
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/08/2020	05/20/2020	08/12/2020
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/14/2020	05/20/2020	08/12/2020
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/14/2020	05/20/2020	08/13/2020
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/08/2020	05/20/2020	08/12/2020
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/29/2020	05/20/2020	08/12/2020
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	04/14/2020	05/26/2020	08/12/2020
US	FEMA UST	Underground Storage Tank Listing	FEMA	07/21/2020	09/03/2020	11/25/2020
State and tribal institutional control / engineering control registries						
NY	RES DECL	Restrictive Declarations Listing	NYC Department of City Planning	12/16/2019	12/16/2019	03/02/2020
NY	ENV RES DECL	Environmental Restrictive Declarations	New York City Department of City Planning	04/22/2020	06/18/2020	09/04/2020
NY	ENG CONTROLS	Registry of Engineering Controls	Department of Environmental Conservation	08/10/2020	08/11/2020	11/02/2020
NY	INST CONTROL	Registry of Institutional Controls	Department of Environmental Conservation	08/10/2020	08/11/2020	11/02/2020
State and tribal voluntary cleanup sites						
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
NY	VCP NYC	Voluntary Cleanup Program Listing NYC	New York City Office of Environmental Protect	07/24/2020	07/24/2020	10/12/2020
NY	VCP	Voluntary Cleanup Agreements	Department of Environmental Conservation	08/10/2020	08/11/2020	11/02/2020
State and tribal Brownfields sites						
NY	BROWNFIELDS	Brownfields Site List	Department of Environmental Conservation	08/10/2020	08/11/2020	11/02/2020
NY	ERP	Environmental Restoration Program Listing	Department of Environmental Conservation	08/10/2020	08/11/2020	11/02/2020
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2020	07/15/2020	07/21/2020
US	ROD	Records Of Decision	EPA	10/28/2020	11/05/2020	11/25/2020
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	10/28/2020	11/05/2020	11/25/2020
NY	DEL SHWS	Delisted Registry Sites	Department of Environmental Conservation	08/10/2020	08/11/2020	11/02/2020
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
NY	SWRCY	Registered Recycling Facility List	Department of Environmental Conservation	07/01/2020	07/02/2020	09/22/2020
NY	SWTIRE	Registered Waste Tire Storage & Facility List	Department of Environmental Conservation	02/27/2018	04/06/2018	06/08/2018
NY	HIST UST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006
NY	HIST AST	Historical Petroleum Bulk Storage Database	Department of Environmental Conservation	01/01/2002	06/02/2006	07/20/2006

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	10/28/2020	11/05/2020	11/25/2020
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2018	12/04/2019	01/15/2020
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/15/2020	06/22/2020	09/10/2020
US	Delisted NPL	National Priority List Deletions	EPA	10/28/2020	11/05/2020	11/25/2020
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	10/28/2020	11/05/2020	11/25/2020
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/15/2020	06/22/2020	09/18/2020
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/22/2020	06/23/2020	09/17/2020
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	03/18/2020	03/19/2020	06/09/2020
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/01/2020	06/02/2020	06/09/2020
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	08/05/2020	08/13/2020	10/21/2020
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	09/10/2020	09/15/2020	11/20/2020
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/04/2020	08/25/2020	11/18/2020
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	04/27/2020	05/06/2020	06/09/2020
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	08/14/2020	11/04/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	07/20/2020	07/21/2020	10/08/2020
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	10/09/2019	10/11/2019	12/20/2019
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/05/2020	08/10/2020	10/08/2020
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	09/04/2020	09/15/2020	11/20/2020
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	07/24/2020	08/03/2020	10/21/2020
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2017	06/22/2020	11/20/2020
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	06/22/2020	06/22/2020	09/10/2020
NY	AIRS	Air Emissions Data	Department of Environmental Conservation	08/14/2019	08/14/2019	10/16/2019
NY	COAL ASH	Coal Ash Disposal Site Listing	Department of Environmental Conservation	07/01/2020	07/02/2020	09/22/2020
NY	DRYCLEANERS	Registered Drycleaners	Department of Environmental Conservation	06/08/2020	06/12/2020	09/02/2020
NY	E DESIGNATION	E DESIGNATION SITE LISTING	New York City Department of City Planning	02/27/2020	03/25/2020	06/10/2020
NY	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Conservation	06/25/2020	06/25/2020	07/22/2020
NY	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental Conservation	06/11/2020	06/16/2020	09/02/2020
NY	HIST SPILLS	SPILLS Database	Department of Environmental Conservation	01/01/2002	07/08/2005	07/14/2005
NY	HSWDS	Hazardous Substance Waste Disposal Site Inventory	Department of Environmental Conservation	01/01/2003	10/20/2006	11/30/2006
NY	LIENS	Spill Liens Information	Office of the State Comptroller	10/30/2020	10/30/2020	11/02/2020
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	04/29/2020	07/10/2020
NY	SPDES	State Pollutant Discharge Elimination System	Department of Environmental Conservation	07/28/2020	08/06/2020	10/28/2020
NY	SPILLS	Spills Information Database	Department of Environmental Conservation	08/10/2020	08/11/2020	11/05/2020
NY	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	11/02/2010	01/03/2013	03/07/2013
NY	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/14/2012	01/03/2013	02/12/2013
NY	UIC	Underground Injection Control Wells	Department of Environmental Conservation	08/30/2020	09/01/2020	11/23/2020
NY	VAPOR REOPENED	Vapor Intrusion Legacy Site List	Department of Environmenal Conservation	12/01/2018	02/13/2019	06/13/2019
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2018	07/02/2020	09/17/2020
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/17/2020	08/17/2020	10/21/2020
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/27/2020	07/02/2020	09/28/2020
NY	NYC LEAD	Lead-based Paint Testing Results	New York City Department of Education	05/28/2020	05/29/2020	07/02/2020
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
NY	NYC LEAD 2	Recent Lead Paint Violations	New York City Department of Housing Preservat	05/28/2020	06/02/2020	07/02/2020
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
NY	COOLING TOWERS	Registered Cooling Towers	Department of Health	07/07/2020	07/14/2020	09/30/2020
NY	PFAS	PFAS Contamination Site Location Listing	Department of Environmental Conservation	01/16/2019	05/08/2019	06/24/2019
HISTORICAL USE RECORDS						
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
NY	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Conservation		07/01/2013	12/30/2013
NY	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Conservation		07/01/2013	01/10/2014

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
COUNTY RECORDS						
NY	AST - CORTLAND	Cortland County Storage Tank Listing	Cortland County Health Department	08/20/2019	08/20/2019	10/16/2019
NY	UST - CORTLAND	Cortland County Storage Tank Listing	Cortland County Health Department	08/20/2019	08/20/2019	10/16/2019
NY	AST - NASSAU	Registered Tank Database	Nassau County Health Department	01/09/2017	01/11/2017	02/15/2017
NY	AST NCFM	Storage Tank Database	Nassau County Office of the Fire Marshal	02/15/2011	02/23/2011	03/29/2011
NY	TANKS NASSAU	Registered Tank Database in Nassau County	Nassau County Department of Health	01/09/2017	01/11/2017	02/15/2017
NY	UST - NASSAU	Registered Tank Database	Nassau County Health Department	01/09/2017	01/11/2017	02/15/2017
NY	UST NCFM	Storage Tank Database	Nassau County Office of the Fire Marshal	02/15/2011	02/23/2011	03/29/2011
NY	AST - ROCKLAND	Petroleum Bulk Storage Database	Rockland County Health Department	02/02/2017	03/17/2017	09/22/2017
NY	UST - ROCKLAND	Petroleum Bulk Storage Database	Rockland County Health Department	02/02/2017	03/17/2017	09/22/2017
NY	AST - SUFFOLK	Storage Tank Database	Suffolk County Department of Health Services	06/28/2018	12/06/2018	02/07/2019
NY	TANKS SUFFOLK	Storage Tank Database	Department of Health Services	06/28/2018	02/05/2019	03/08/2019
NY	UST - SUFFOLK	Storage Tank Database	Suffolk County Department of Health Services	06/28/2018	12/06/2018	02/07/2019
NY	AST - WESTCHESTER	Listing of Storage Tanks	Westchester County Department of Health	06/09/2020	06/09/2020	08/18/2020
NY	UST - WESTCHESTER	Listing of Storage Tanks	Westchester County Department of Health	06/09/2020	06/09/2020	08/18/2020

STREET AND ADDRESS INFORMATION

RIVER ROAD & MAIN STREET PROPERTIES
173 RIVER RD
NORTH TONAWANDA, NY 14120

Inquiry Number: 6286995.7S
DECEMBER 10, 2020

EDR Environmental Lien and AUL Search

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

RIVER ROAD & MAIN STREET PROPERTIES
173 RIVER RD
NORTH TONAWANDA, NY 14120

RESEARCH SOURCE

Source 1: NIAGARA COUNTY RECORDER'S OFFICE

Source 2: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Deed 1

Type of Deed:	DEED
Title is vested in:	FRANK J. METZGER; GARY J. METRGER; BRIAN KEITH METZGER
Title received from:	CITY OF NORTH TONAWANDA
Date Executed:	03/09/1998
Date Recorded:	04/30/1998
Book:	2825
Page:	20
Volume:	NA
Instrument#:	NA
Docket:	NA
Land Record Comments:	NA
Miscellaneous Comments:	NA

Legal Description: E.L. DOCK LINE RUNNING TRACK EL ROW

Current Owner: FRANK J. METZGER; GARY J. METRGER; BRIAN KEITH METZGER

Property Identifiers: 291200-185-005-0001-081-011

Comments: NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

DEED EXHIBIT

BOOK 2825 PAGE 19

DO NOT DETACH - THIS IS PAGE 1 OF RECORDED DOCUMENT

7159

OFFICE OF THE CLERK COUNTY OF NIAGARA
WAYNE F. JAGOW, COUNTY CLERK

County Courthouse, 175 Hawley Street, P.O. Box 461, Lockport, NY 14095
Phone (716) 439-7027 Fax (716)439-7066

NIAGARA COUNTY CLERK RECORDING PAGE

INSTRUMENT # _____ TYPE Deed NUMBER OF PAGES 4

RETURN TO: William R. Lewis
PO Box 159, 150 Payne Avenue
North Tonawanda, NY 14120

SPACE BELOW RESERVED FOR COUNTY CLERK'S USE ONLY.

$ 45.25
REAL ESTATE TRANSFER TAX
$ 6.00
4525
NIAGARA COUNTY

Parties:
1st part City of North Tonawanda
2nd Part Frank J. Metzger, Gary J. Metzger and Brian Keith Metzger

RECORDED
98 APR 30 AM 10:11
NIAGARA COUNTY CLERK'S OFFICE LOCKPORT, N.Y.

MORTGAGE AMOUNT

TAX DISTRICT: NT

[ ] Check if to be apportioned

MORTGAGE #

RECORDING TAX RECIEPT

BASIC $
ADDITIONAL $
SPECIAL $
TOTAL $

State of New York) ss
County of Niagara)
I do hereby certify that I have Received on the within Mortgage...being the amount of the Recording Tax imposed thereon & paid as recording.

Dated this _____ of _____, 199__

Mortgage Tax Clerk of Niagara County

Recording on the 30 day of April
1998 at 10:11 o'clock A M
in Liber 2825 of Deeds
on page 19 and examined

Wayne F. Jagow
Niagara County Clerk

This sheet constitutes the Clerks endorsement required by section 319 of the Real Property Law of the State of New York
DO NOT DETACH

This Indenture,

Made the 9th day of March, Nineteen Hundred and Ninety-Eight

Between, CITY OF NORTH TONAWANDA, a municipal corporation created by and under the Laws of the State of New York and having its principal place of business in the City of North Tonawanda, Niagara County, New York, party of the first part, and Frank J. Metzger, Gary J. Metzger and Brian Keith Metzger, as Joint Tenants, the Survivor to Take the Whole, 235 River Road, North Tonawanda, New York 14120

069570

parties of the second part.

Whereas, the following described real property belongs to the said City of North Tonawanda, and

Whereas, an ordinance of said City, duly adopted and now in full force and effect, provides for a disposition of the same at public auction to the highest bidder for cash, ten per cent of the purchase money to be paid at the time and place of sale, and after public notice to be published at least once each week for three weeks in the official paper or papers of said City, and

Whereas, a public sale thereof was duly authorized by vote of three-fourths of all the members of the Common Council of said City after the publication of such public notice as required by said ordinance, and for cash, and

Whereas, such public notice was duly given and duly published as required by said ordinance and at the time specified in such public notice for the sale of the said real estate, the same was duly sold at public auction to the parties of the second part for the sum of One Thousand Five Hundred and 00/100 ($ 1,500.00) cash, their being the highest bidders, and ten percent of the purchase money having been paid at the time and place of sale, and

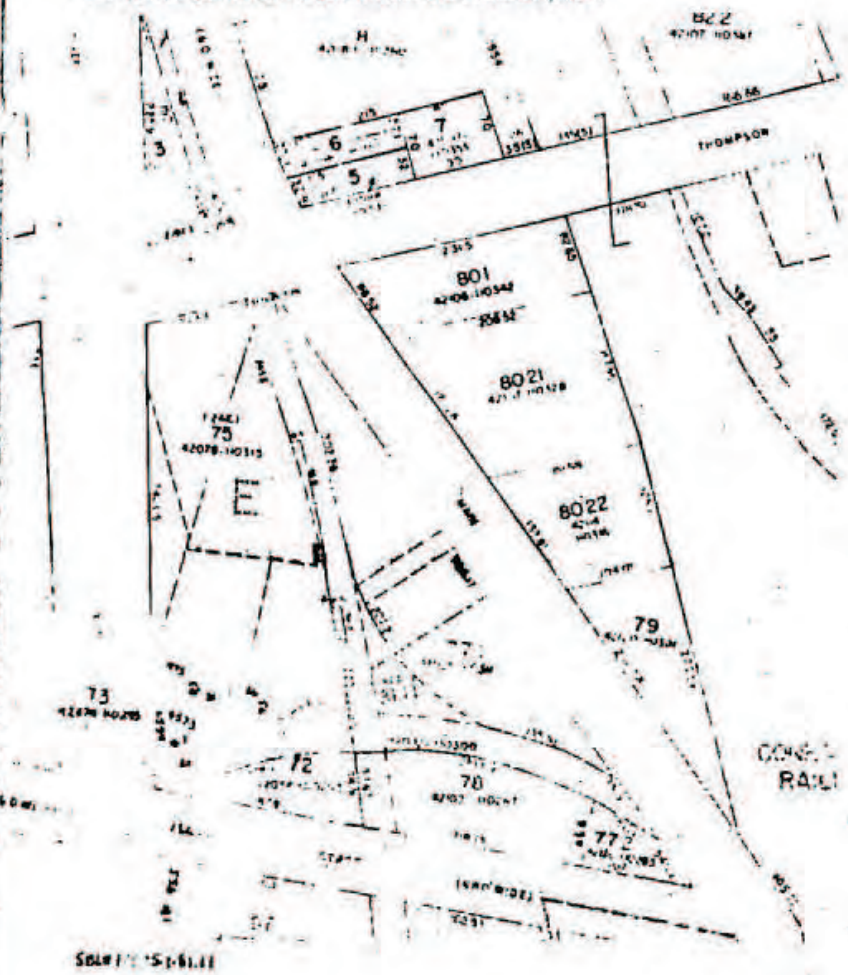
Whereas, the Common Council and the Mayor have duly approved of such sale, at their regular meeting held on November 18, 1997

Witnesseth, that the party of the first part in consideration of One Thousand Five Hundred and 00/100 Dollars ($1,500.00) lawful money of the United States, paid by the parties of the second part, does hereby grant, release and convey unto the parties of the second part, their heirs and assigns forever,

All That Tract or Parcel of Land, situate in the City (formerly village) of North Tonawanda, County of Niagara and State of New York, and more particularly described as follows:

SCHEDULE A

All that tract or parcel of land, situate in the City of North Tonawanda, County of Niagara and State of New York, being part of Lot No. 81 of the Niagara River Reservation and more particularly described as the parcel denoted as #1-11 on the map below



Together with the appurtenances and all the estate and rights of the party of the first part in and to said premises.

To Have and to Hold the premises herein granted unto the part ies of the second part, their heirs and assigns forever.

In Witness Whereof the said City of North Tonawanda has caused its corporate seal to be hereunto affixed and this Indenture to be subscribed by its Mayor, the day and year first above written.

CITY OF NORTH TONAWANDA

By Ronald R. Dawson
Mayor

Attest: John W. Wyckoff
City Clerk

STATE OF NEW YORK
COUNTY OF NIAGARA
CITY OF NORTH TONAWANDA } ss.

On this 24 day of March, in the year Nineteen Hundred and Ninety-Eight before me, the subscriber, personally came Ronald Dawson to me known, who, being by me duly sworn, did depose and say that he resides in the City of North Tonawanda, New York; that he is the Mayor of the City of North Tonawnda, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Common Council of said corporation, and that he signed his name thereto by like order and pursuant to the Charter of said City.

Robert Sondel
Notary Public

ROBERT SONDEL
NOTARY PUBLIC, State of New York
Qualified in Niagara County
My Commission Expires 7/17/98

RIVER ROAD & MAIN STREET PROPERTIES
175 RIVER RD
NORTH TONAWANDA, NY 14120

Inquiry Number: 6286995.7S
DECEMBER 10, 2020

EDR Environmental Lien and AUL Search

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

RIVER ROAD & MAIN STREET PROPERTIES
175 RIVER RD
NORTH TONAWANDA, NY 14120

RESEARCH SOURCE

Source 1: NIAGARA COUNTY RECORDER'S OFFICE

Source 2: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Deed 1

Type of Deed:	DEED
Title is vested in:	FRANK J. METZGER; GARY J. METZGER AND BRIAN KEITH METZGER
Title received from:	CITY OF NORTH TONAWANDA
Date Executed:	03/09/1998
Date Recorded:	04/30/1998
Book:	2825
Page:	19
Volume:	NA
Instrument#:	NA
Docket:	NA
Land Record Comments:	NA
Miscellaneous Comments:	NA

Legal Description: 29.21 N ISLAND ST BL E FL 81 TRIANGLE

Current Owner: FRANK J. METZGER; GARY J. METZGER AND BRIAN KEITH METZGER

Property Identifiers: 291200-185-005-0001-073-000

Comments: NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

DEED EXHIBIT

BOOK 2825 PAGE 19

DO NOT DETACH - THIS IS PAGE 1 OF RECORDED DOCUMENT

7159

OFFICE OF THE CLERK COUNTY OF NIAGARA
WAYNE F. JAGOW, COUNTY CLERK

County Courthouse, 175 Hawley Street, P.O. Box 461, Lockport, NY 14095
Phone (716) 439-7027 Fax (716)439-7066

NIAGARA COUNTY CLERK RECORDING PAGE

INSTRUMENT # _____ TYPE Deed NUMBER OF PAGES 4

RETURN TO: William R. Lewis
PO Box 159, 150 Payne Avenue
North Tonawanda, NY 14120

SPACE BELOW RESERVED FOR COUNTY CLERK'S USE ONLY.

$ 45.25
REAL ESTATE TRANSFER TAX
$ 6.00
4525
NIAGARA COUNTY

Parties:
1st part City of North Tonawanda
2nd Part Frank J. Metzger, Gary J. Metzger and Brian Keith Metzger

RECORDED
98 APR 30 AM 10:11
NIAGARA COUNTY CLERK'S OFFICE LOCKPORT, N.Y.

MORTGAGE AMOUNT

TAX DISTRICT: NT

[ ] Check if to be apportioned

MORTGAGE #

RECORDING TAX RECIEPT

BASIC $
ADDITIONAL $
SPECIAL $
TOTAL $

State of New York) ss
County of Niagara)
I do hereby certify that I have Received on the within Mortgage...being the amount of the Recording Tax imposed thereon & paid as recording.

Dated this _____ of _____, 199__

Mortgage Tax Clerk of Niagara County

Recording on the 30 day of April
1998 at 10:11 o'clock A M
in Liber 2825 of Deeds
on page 19 and examined

Wayne F. Jagow
Niagara County Clerk

This sheet constitutes the Clerks endorsement required by section 319 of the Real Property Law of the State of New York
DO NOT DETACH

This Indenture,

Made the 9th day of March, Nineteen Hundred and Ninety-Eight

Between, CITY OF NORTH TONAWANDA, a municipal corporation created by and under the Laws of the State of New York and having its principal place of business in the City of North Tonawanda, Niagara County, New York, party of the first part, and Frank J. Metzger, Gary J. Metzger and Brian Keith Metzger, as Joint Tenants, the Survivor to Take the Whole, 235 River Road, North Tonawanda, New York 14120

0692592

parties of the second part.

Whereas, the following described real property belongs to the said City of North Tonawanda, and

Whereas, an ordinance of said City, duly adopted and now in full force and effect, provides for a disposition of the same at public auction to the highest bidder for cash, ten per cent of the purchase money to be paid at the time and place of sale, and after public notice to be published at least once each week for three weeks in the official paper or papers of said City, and

Whereas, a public sale thereof was duly authorized by vote of three-fourths of all the members of the Common Council of said City after the publication of such public notice as required by said ordinance, and for cash, and

Whereas, such public notice was duly given and duly published as required by said ordinance and at the time specified in such public notice for the sale of the said real estate, the same was duly sold at public auction to the parties of the second part for the sum of One Thousand Five Hundred and 00/100 ($1,500.00) cash, their being the highest bidders, and ten percent of the purchase money having been paid at the time and place of sale, and

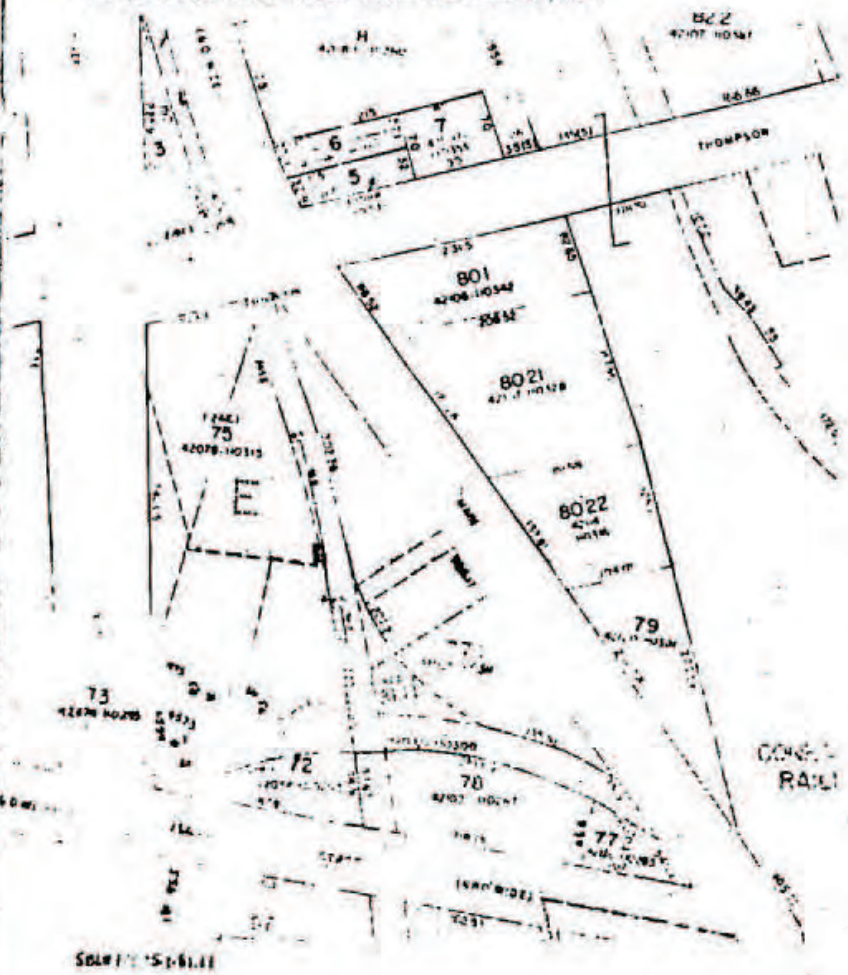
Whereas, the Common Council and the Mayor have duly approved of such sale, at their regular meeting held on November 18, 1997

Witnesseth, that the party of the first part in consideration of One Thousand Five Hundred and 00/100 Dollars ($1,500.00) lawful money of the United States, paid by the parties of the second part, does hereby grant, release and convey unto the parties of the second part, their heirs and assigns forever,

All That Tract or Parcel of Land, situate in the City (formerly village) of North Tonawanda, County of Niagara and State of New York, and more particularly described as follows:

SCHEDULE A

All that tract or parcel of land, situate in the City of North Tonawanda, County of Niagara and State of New York, being part of Lot No. 81 of the Niagara River Reservation and more particularly described as the parcel denoted as #1-11 on the map below



Together with the appurtenances and all the estate and rights of the party of the first part in and to said premises.

To Have and to Hold the premises herein granted unto the part ies of the second part, their heirs and assigns forever.

In Witness Whereof the said City of North Tonawanda has caused its corporate seal to be hereunto affixed and this Indenture to be subscribed by its Mayor, the day and year first above written.

CITY OF NORTH TONAWANDA

By Ronald R. Dawson
Mayor

Attest: John W. Wyckoff
City Clerk

STATE OF NEW YORK
COUNTY OF NIAGARA
CITY OF NORTH TONAWANDA } ss.

On this 24 day of March, in the year Nineteen Hundred and Ninety-Eight before me, the subscriber, personally came Ronald Dawson to me known, who, being by me duly sworn, did depose and say that he resides in the City of North Tonawanda, New York; that he is the Mayor of the City of North Tonawnda, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Common Council of said corporation, and that he signed his name thereto by like order and pursuant to the Charter of said City.

Robert Sondel
Notary Public

ROBERT SONDEL
NOTARY PUBLIC, State of New York
Qualified in Niagara County
My Commission Expires 7/17/98

RIVER ROAD & MAIN STREET PROPERTIES
235 RIVER RD
NORTH TONAWANDA, NY 14120

Inquiry Number: 6286995.7S
DECEMBER 10, 2020

EDR Environmental Lien and AUL Search

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

RIVER ROAD & MAIN STREET PROPERTIES
235 RIVER RD
NORTH TONAWANDA, NY 14120

RESEARCH SOURCE

Source 1: NIAGARA COUNTY RECORDER'S OFFICE

Source 2: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Deed 1

Type of Deed:	DEED
Title is vested in:	FRANK J. METZGER; GARY J. METZGER; BRIAN KEITH METZGER
Title received from:	JOSEPH L. KULIKOWSKI, JR AND JOHN R. HAYES
Date Executed:	07/31/1991
Date Recorded:	07/31/1991
Book:	2342
Page:	239
Volume:	NA
Instrument#:	NA
Docket:	NA
Land Record Comments:	NA
Miscellaneous Comments:	NA

Legal Description: COR S THOMPSON ST BL E FL 81 IRREG.

Current Owner: FRANK J. METZGER; GARY J. METZGER; BRIAN KEITH METZGER

Property Identifiers: 291200-185-005-0001-075-000

Comments: NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

DEED EXHIBIT

Form 1583S N.Y. DEED – WARRANTY with Lien Covenant

LIBER 2342 PAGE 239

This Indenture,

Made the 31st *day of* July, *Nineteen Hundred and* Ninety-one.

Between JOSEPH L. KULIKOWSKI, JR. and JOHN R. HAYES, doing business under the assumed name and style of J & J ASSOCITES, 3300 Raymond Road, Sanborn, Niagara County, New York 14132,

017504

part ies *of the first part, and*

FRANK J. METZGER, GARY J. METZGER & BRIAN KEITH METZGER, AS JOINT TENANTS, THE SURVIVOR TO TAKE THE WHOLE, 24 Cath Terrace, Tonawanda, Erie County, New York 14150,

part ies *of the second part,*

Witnesseth *that the part* ies *of the first part, in consideration of*

- - - - - - - -ONE AND MORE- - - - - - - - - - - - - - - - - *Dollars* ($1.& More--)

lawful money of the United States, paid by the part ies *of the second part, do hereby grant and release unto the part* ies *of the second part, their heirs and assigns forever,* xxxx

FEE 47.00
0021 2113-001 CLERK 8 29 91 12:32PM

PARCEL I

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of North Tonawanda, County of Niagara and State of New York, being part of Lot No. 81 of the Mile Reserve according to a map of the Village of North Tonawanda made by Peter Emslie is known and distinguished as a part of Tract E, bounded and described as follows:

BEGINNING at a point on the east line of River Road at its intersection with the northwesterly line of a branch of the New York Central Railroad as acquired by deed recorded December 2, 1882 in Liber 168 of Deeds at page 186; thence northeasterly along said northwest line to its intersection with the southerly line of another branch of said Railroad by the same deed; thence westerly along said south line of the secondly described Railroad branch to the east line of River Road; thence southerly along the west line of River Road a distance of 65.54 feet to the point of beginning.

PARCEL II

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of North Tonawanda, County of Niagara and State of New York, being part of Lot No. 81 of the Mile Reserve according to a map of the Village of North Tonawanda made by Peter Emslie is known and distinguished as a part of Tract E, bounded and described as follows:

BEGINNING at a point on the south line of Thompson Street as now laid out at its intersection with the west line of land conveyed to The Lockport and Buffalo Railway Company by deed recorded December 24, 1880 in Libor 153 of Deeds at page 391; thence southerly along said Railway Company's west line to the north line of land conveyed to The New York Central and Niagara River Railroad Company by deed recorded December 2, 1882 in Liber 168 of Deeds at page 186; thence westerly along the north line of said New York Central and Niagara River Railroad Company land to the east line of River Road; thence northerly along the east line of River Road a distance of 342.05 feet to the south line of Thompson Street as now laid out; thence easterly along the south line of Thompson Street a distance of 102.53 feet to the point of beginning and more.

665

THE ABOVE PARCELS ARE NOT CONTIGUOUS.

RECEIVED
$ 47
AUG 29 1991
TRANSFER TAX
NIAGARA COUNTY

LIBER 2342 PAGE 240

Together *with the appurtenances and all the estate and rights of the part ies of the first part in and to said premises,*

To have and to hold *the premises herein granted unto the part ies of the second part, their heirs and assigns forever.*

And *said part ies of the first part covenant as follows:*

First. *That the part ies of the second part shall quietly enjoy the said premises;*

Second. *That said part ies of the first part will forever* **Warrant** *the title to said premises.*

Third. *That, in Compliance with Sec. 13 of the Lien Law, the grantor s will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.*

In Witness Whereof, *the part ies of the first part ha ve hereunto set their hand s and seal s the day and year first above written.*

In Presence of

Joseph L. Kulikowski, Jr.

John R. Hayes,
doing business under the assumed name & style of J & J ASSOCIATES

State of New York } ss.
County of ERIE

On this 31st *day of* July, *Nineteen Hundred and* Ninety-one,

before me, the subscriber, personally appeared JOSEPH L. KULIKOWSKI, JR. and JOHN R. HAYES, doing business under the assumed name and style of J & J ASSOCIATES,
to me personally known and known to me to be the same person s described in and who executed the within Instrument, and t he y duly & severally *acknowledged to me that* t he *same.*

DAVID MICHAEL HEER
Notary Public, State of New York
No. 4663896
Qualified in Niagara County
Commission Expires September 30, 19 91

Notary Public

State of New York } ss.
County of

On this day of Nineteen Hundred and

before me, the subscriber, personally appeared

to me personally known and known to me to be the same person described in and who executed the within Instrument, and he acknowledged to me that he executed the same.

Notary Public

Deed
Warranty With Lien Covenant
RECORDED

JOSEPH L. KULIKOWSKI, JR. and JOHN R. HAYES, doing business under the assumed name and style of J & J ASSOCIATES,

TO

FRANK J. METZGER, GARY J. METZGER & BRIAN KEITH METZGER

Dated, July 31, 1991.

STATE OF NEW YORK
COUNTY OF NIAGARA

Recorded on the 29th day of August A.D. 19 91 at 11:49 o'clock A.M. in Liber 2342 of Deeds at Page 239 and examined

County Clerk

PLEASE MAIL:
Wm R. Lowie
P.O. Box 179
N. Tonawanda, N.Y. 14120

RIVER ROAD & MAIN STREET PROPERTIES
190 MAIN ST
NORTH TONAWANDA, NY 14120

Inquiry Number: 6286995.7S
DECEMBER 10, 2020

EDR Environmental Lien and AUL Search

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

RIVER ROAD & MAIN STREET PROPERTIES
190 MAIN ST
NORTH TONAWANDA, NY 14120

RESEARCH SOURCE

Source 1: NIAGARA COUNTY RECORDER'S OFFICE

Source 2: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Deed 1

Type of Deed:	DEED
Title is vested in:	METZGER REMOVAL INC
Title received from:	DANIEL F. PRIMEOU
Date Executed:	04/03/1998
Date Recorded:	11/08/1998
Book:	2875
Page:	213
Volume:	NA
Instrument#:	026792
Docket:	NA
Land Record Comments:	NA
Miscellaneous Comments:	NA

Legal Description: COR S THOMPSON ST BL E FL 81 IRREG.

Current Owner: METZGER REMOVAL INC

Property Identifiers: 291200-185-005-0001-077-001

Comments: NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

DEED EXHIBIT

LIBER 2875 PAGE 213

DO NOT DETACH - THIS IS PAGE 1 OF RECORDED DOCUMENT

OFFICE OF THE CLERK COUNTY OF NIAGARA

WAYNE F. JAGOW, COUNTY CLERK

INS. # 026792

County Courthouse, 175 Hawley Street, P.O. Box 461, Lockport, NY 14095
Phone (716) 439-7027 Fax (716) 439-7066

NIAGARA COUNTY CLERK RECORDING PAGE

INSTRUMENT DATE 11/3/98 TYPE Deed NUMBER OF PAGES 3

RETURN TO: [illegible]

Parties (Print Names in Full)

1st Part PRIMEAU

2nd Part METZGER REMOVAL, INC.

20594 Town/City NORTH TONAWANDA

1820

REAL ESTATE TRANSFER TAX

$ 336.00

11.4.98

NIAGARA COUNTY

SPACE BELOW RESERVED FOR COUNTY CLERK'S USE ONLY.

RECORDED
98 NOV -4 PM 3:25
NIAGARA COUNTY CLERK'S OFFICE LOCKPORT, NY

MORTGAGE AMOUNT

$__________

[ ] One/two family [ ] Other

[ ] Check if to be apportioned

MORTGAGE#________

RECORDING TAX RECEIPT

BASIC $________

ADDITIONAL $________

SPECIAL $________

TOTAL $________

State of New York) ss
County of Niagara)
I do hereby certify that I have Received on the within Mortgage, being the amount of the Recording Tax Imposed thereon & paid at recording.

Dated__________, 199___

Mortgage Tax Clerk of Niagara County

Recorded on the 4 day of NOV 1998 at 3:25 o'clock P M in Liber 2875 of DEEDS on page 213 and examined.

[signature]

Niagara County Clerk

This sheet constitutes the Clerk's endorsement required by section 319 of the Real Property Law of the State of New York

DO NOT DETACH

LIBER 2875 PAGE 214

DEED—Warranty with lien covenant (Individual)

Sanders Legal Publishers
Prudential Bldg., Buffalo, N.Y. 14202

This Indenture,

Made the November Nineteen Hundred and Ninety-eighth day of

Between

Daniel F. Primeau, 5805 Kraus Road, Clarence, New York 14032 and
Carla Primeau, 471 North Forest Road, Williamsville, New York 14221

parties of the first part, and

Metzger Removal, Inc., 235 River Road, N. Tonawanda, New York 14120

Witnesseth, that the parties of the first part, in consideration of party of the second part, One and more Dollars ($1.00 and) lawful money of the United States, paid by the party of the second part, do hereby grant and release unto the part more of the second part, their heirs, and assigns forever,

All that Tract or Parcel of Land, situate in the City of North Tonawanda, County of Niagara and State of New York, being part of Lot No. 81 of the Mile Reserve according to a Map of the Village of North Tonawanda made by Peter Emslie is known and distinguished as part of Tract E, bounded and described as follows:

028732

BEGINNING AT A POINT on the west line of Main Street at its intersection with the north line of land conveyed to The New York Central and Niagara River Railroad Company by Deed recorded December 2, 1882 in Liber 168 of Deeds at page 186; THENCE WESTERLY along said Railroad Company's north line to the east line of land conveyed to The Lockport and Buffalo Railway Company by Deed recorded December 24, 1880 in Liber 153 of Deeds at page 391; THENCE NORTHERLY along the east line of The Lockport and Buffalo Railway Company to the south line of Thompson Street as now located; THENCE EASTERLY along the south line of Thompson Street a distance of 3.28 feet to the west line of Main Street; THENCE SOUTHERLY along the west line of Main Street a distance of 582.47 feet to the point of beginning

EXCEPTING premises conveyed to Tonawanda Island Railroad, Inc. by Deed recorded in Niagara County Clerk's Office in Liber 1873 of Deeds at page 265.

LIBER 2875 PAGE 215

Together with the appurtenances and all the estate and rights of the party of the first part in and to said premises.

To have and to hold, the above granted premises unto the said party of the second part, their heirs and assigns forever.

And said parties of the first part covenant as follows:

First, that the party of the second part shall quietly enjoy the said premises;

Second, that said parties of the first part will forever **Warrant** the title to said premises.

Third, that this conveyance is subject to the trust fund provisions of section thirteen of the lien Law.

In Witness Whereof, the party of the first part have hereunto set their hand(s) and seal(s) the day and year first above written.

In Presence of

Daniel F. Primeau ls

Carla Primeau ls

ls

ls

State of New York
County of ERIE } ss.

On this 2nd day of November Nineteen Hundred and Ninety-eight before me, the subscriber, personally appeared

Daniel F. Primeau and Carla Primeau

to me personally known and known to me to be the same person(s) described in and who executed the within instrument, and ~~he/she~~ (they) acknowledged to me that ~~he/she~~ they executed the same.

Notary Public

MICHAEL M. BLOTNIK
NOTARY PUBLIC, State of New York
Qualified in Erie County
My Commission Expires September 30, 19 99

State of New York
County of } ss.

On this day of Nineteen Hundred and

before me, the subscriber, personally appeared

to me personally known and known to me to be the same person(s) described in and who executed the within instrument, and he (she) (they) acknowledged to me that he (she) (they) executed the same.

Deed
Warranty with Lien Covenant (Individual)

Daniel F. Primeau and Carla Primeau
to
Metzger Removal, Inc.

Dated November 3, 1998

Michael M. Blotnik, Esq.
Steiner & Blotnik
300 Delaware Avenue
Buffalo, New York 14202
(716) 847-6500

THIS SPACE FOR CLERK'S TIME STAMP
(Do not write in this space.)

Sanders Legal Publishers
Prudential Building • Buffalo, New York 14202

Appendix B

Client / User Questionnaire

CLIENT/USER QUESTIONNAIRE

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the Client/User must provide the following information (if available) to C&S Engineers, Inc. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

(1) ***Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).*** Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

☐ YES ☒ NO

EXPLAIN: _____

_____

(2) ***Activity and land use limitations (AULs) that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).*** Are you aware of any AULs, such an 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?

☐ YES ☒ NO

EXPLAIN: _____

_____

(3) ***Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).*** As the user of this Phase I Environmental Site Assessment, do you have any 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 or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☐ YES ☒ NO

EXPLAIN: _____

_____

(4) ***Relationship of the purchase to the fair market value of the property if it were not contaminated (40 CFR 312.29).*** Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered if the lower purchase price is because contamination is known or believed to be present at the property?

☒ YES ☐ NO

EXPLAIN: WE ARE THE CURRENT PROPERTY OWNER AND HAVE LISTED THE PROPERTY FOR SALE AT FAIR MARKET VALUE

CLIENT/USER QUESTIONNAIRE (continued)

(5) ***Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).*** Are you aware of commonly known or reasonably ascertainable information about the property that would help C&S Engineers, Inc. to identify conditions indicative of releases or threatened releases? For example:

(a) Do you know of the past uses of the property? ☒ YES ☐ NO

EXPLAIN: WE DO NOT KNOW ALL THE PAST USES OF THE PROPERTY BUT WE KNOW THERE WAS A TRAIN TRACK FOR A RAILROAD THAT RAN THROUGH THE PROPERTY WHEN WE PURCHASED IT

(b) Do you know of specific chemicals that are present or that were once present at the property? ☐ YES ☒ NO

EXPLAIN: _____

_____

(c) Do you know of spills or other chemical releases that have taken place at the property? ☐ YES ☒ NO

EXPLAIN: _____

_____

(d) Do you know of any environmental cleanups that have taken place at the property? ☐ YES ☒ NO

EXPLAIN: _____

_____

(6) ***The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).*** As the user of this Phase I Environmental Site Assessment, based on your 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. ☐ YES ☒ NO

EXPLAIN: _____

_____

QUESTIONNAIRE COMPLETED BY: Gary Metzger

PRINT NAME

gary Metzger

SIGNATURE

12-14-2020

DATE

Appendix C

Site Photographs

View of northwest corner of property from corner of River Rd and Thompson St, facing south.

View northeast corner of property from corner of Thompson St and Main St, facing south.

Evidence of abandoned rail line/possible fill dumping in northeast corner of property.

Evidence of previous site work, possible fill dumping in northeast corner of Site.

View of north side of Building 2, apparent used coolant drum and metal scrap adjacent drainage ditch running west to onsite stormwater drop intlet.

View of east side of Site. Used as large equipment parking lot.

View of Site drainage trench running from northeast side of Building 2 to onsite stormwater drop inlet on west side of Site.

View of Building 2 east side exterior. Garage door leads to salt storage area.

View of two exterior ASTs (registered Tank Nos. 1 and 2) on west side of Building 2. Contain diesel fuel.

View of equipment storage on south side of Building 2. Empty plastic tote, approx. 300 gallons.

View of large equipment storage on southwest side of property, facing south.

View of large equipment storage on south side of property and Building 1, facing southeast.

View of empty plastic storage container on south side of Building 2.

View of various debris/equipment stored on south side of Building 2. Open dumpster and 55-gallon drum noted.

View of tires and large equipment stored on west side of Building 1.

View of empty petroleum storage tanks north of Building 1 to be recycled.

View of various debris and empty 55-gallon drums along west side of Building 1.

View of more tires and debris stored along west side of Building 1.

View of apparent fill material piled on north side of Site.

View of sand/soil material in southeast corner of Site.

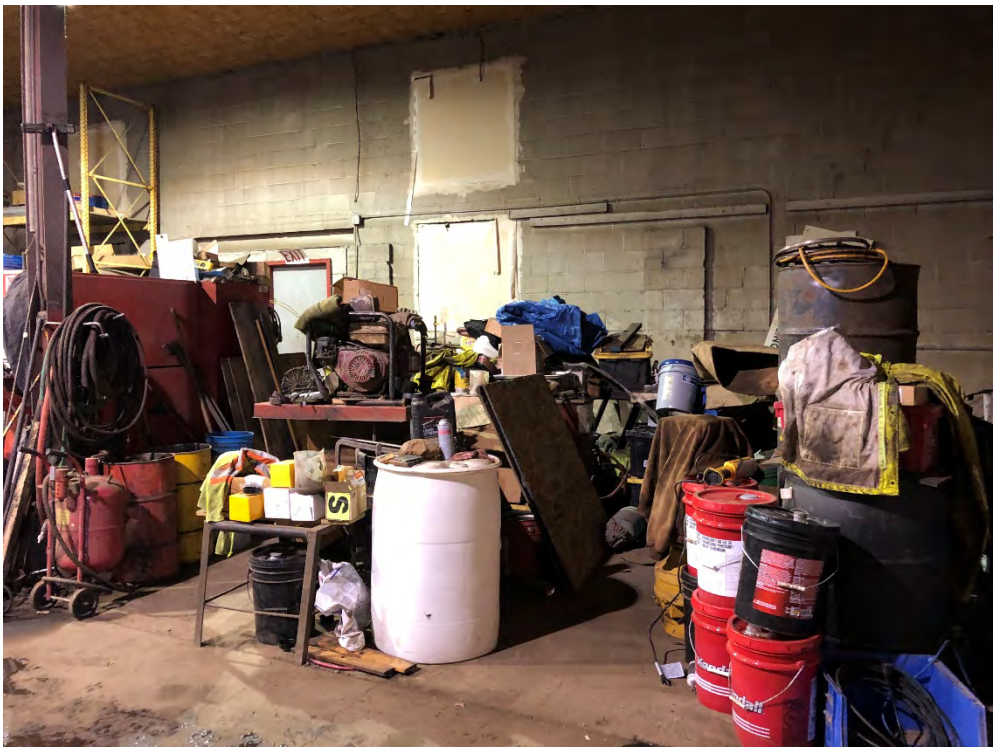
View of southeast corner of site, facing northwest. Building 1 exterior shown.

View of various equipment/metal storage along north side of Site.

View of northern end equipment storage area from southwest corner of the site, facing northeast.

Two 275-gallon storage totes found empty beneath equipment on north side of Sit

View of interior of Building 1; repair shop.



Various containers of petroleum products and degreasers inside Building 1.

Two above ground waste oil tanks found inside Building 1. Connected to waste oil burner and used as heating fuel source.

Tanks 3 and 4 – waste oil tanks. Evidence of consistent spilling below tanks.

Tank 3 – 275 gallons; Tank 4 – 575 gallons. Evidence of spilling on floor.

Additional waste oil containers adjacent to Tanks 3 and 4.

Additional repair equipment on south side of Building 1.

Various pressurized gas containers on south side of Building 1.

South side of Building 2, various petroleum storage containers and old equipment.

Large tires and 55-gallon drum of waste oil in Building 2.

View of south room in Building 2.

Eight 55-gallon drums, mostly empty on south side of Building 2.

Large motors and old equipment parts on south side of Building 2.

Equipment stored in middle bay of Building 2.

Various containers and equipment parts in middle bay of Building 2.

North side of Building 2 used for salt storage.

Appendix D

Historical Reports
&
FOIL Information

NORTH AMERICAN ENVIRONMENTAL SERVICES
DIVISION OF NAES CORP

P.O. BOX 66
2321 KENMORE AVENUE
BUFFALO, N.Y. 14207-0066
TEL. (716) 875-2903
FAX (716) 875-2374

PHASE I ENVIRONMENTAL AUDIT
FOR
235 RIVER ROAD
NORTH TONAWANDA, NY 14120

08/26/91

PREPARED FOR:

GARY METZGER

PREPARED BY:

NORTH AMERICAN ENVIRONMENTAL SERVICES CORP.
PO BOX 66
2321 KENMORE AVENUE
BUFFALO, NEW YORK 14207

NORTH AMERICAN ENVIRONMENTAL SERVICES
DIVISION OF NAES CORP

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1. INTRODUCTION

1.1 OBJECTIVES OF THE PHASE I ENVIRONMENTAL RISK ASSESSMENT

The following points are the minimum requirements to be addressed by the Phase I Environmental Risk Assessment:

A) Review Title Search back to the 1930's to determine past owners or operators of the property. The Title Search will be provided to North American Environmental Services Corp. by the contracting party.

B) Interview current owners or operators of the property (if available for comment) to determine past and current usage of the property.

C) Perform a Visual On-Site Inspection of land and improvements contained on the property in accordance with attached Exhibit A.

D) Perform a drive-by inspection of adjacent properties to determine general usage and environmental conditions.

E) Review the National Priority List, CERCLIS and State Inactive Hazardous Waste Site Lists to determine if the property, adjacent properties or properties within a one mile radius of the property are listed sites.

F) Prepare and file Freedom of Information Act Requests (FOIA) to Federal and State Environmental Agencies concerning registration of above ground and underground storage tanks, RCRA Permits, NPDES Permits, Air Emissions Permits, spills of hazardous materials or wastes, and past or current violations or environmental permits or regulations.

G) Prepare a Draft and Final Report incorporating information obtained from the above inquiries.

1.2 PHASE I METHODOLOGY

1) Project Staff: The Visual On-Site Inspection of the property was performed on 7/3/91 by Mr. James Alaimo.

Mr. Alaimo was also responsible for gathering information relative to the location of Inactive Hazardous Waste Sites by referring the CERCLIS, National Priority List (NPL), and State Environmental Agency Lists as well as the preparation of this Report.

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1.2 AUDIT METHODOLOGY (Continued)

2) Personnel Interviewed:

A) Mr. Charles Kollatz: Regional Citizens Participating Specialists for the New York State Department of Environmental Conservation (NYSDEC) Region 9 office. A FOIA request was submitted to determine if any known environmental records of problems are associated with the property.

1.3 APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS

This report addresses provisions of the following Federal Legislation, promulgated by the United States Environmental Protection Agency (USEPA), to determine if the property, sites adjacent to the property, and sites within a one mile radius of the property, were used for disposal of hazardous waste.

1) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980.

2) The Superfund Amendments and Reauthorization Act (SARA) of 1986.

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2. SITE DESCRIPTION AND BACKGROUND

2.1 LOCATION

The property is located at 235 River Road, County of Niagara, North Tonawanda, NY. The property is bordered by River Road, railroad tracks and other commercial properties.

Appendix A contains Figure 1-1 which shows the detailed location of the property including location of structures.

NYSDEC Wetland Maps will be reviewed to determine that the property is not contiguous or adjacent to designated wetland areas.

2.2 BUILDINGS AND FACILITIES

The property contains a metal building with a metal roof, a partially paved gravel drive and parking lot, with railroad tracks on the north and east sides.

2.3 FACILITY OPERATIONS

There are currently no manufacturing operations at this site. It is an empty warehouse.

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3. SUMMARY OF FINDINGS

3.1 POLYCHLORINATED BIPHENYLS (PCB's)

There were no visual indications of electrical transformers or lighting fixture ballasts which contain PCB's in either the building or on the property.

3.2 ASBESTOS CONTAINING MATERIALS (ACM's)

There was no evidence of any asbestos containing materials in or around the building and property.

3.3 ABOVE AND UNDERGROUND STORAGE TANKS (UST's)

There were no visual indications of operational or permanently closed UST's.

3.4 WASTE SOURCES

3.4.1 WASTE WATER

No sanitary sewer or drains observed.

3.4.2 SOLID AND HAZARDOUS WASTE

There were 30 ± used tires contained in the building

3.4.3 AIR EMISSIONS

There are no air emission sources which require permitting.

3.5 HAZARDOUS MATERIALS

There are no reportable quantities of SARA Title III Chemicals on the property.

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3.6 REGULATORY CONCERNS

There are no operations conducted on this property which require regulation by Federal, State or Local Environmental Agencies.

3.7 MISCELLANEOUS

Formal response from the DEC with regard to the listing of this property or any neighboring/adjacent properties on the CERCLIS, NPL List, or NYSDEC Inactive Hazardous Waste Site Registry, Volume 9, indicates there is not nor have been any reported spills or activities performed at the site which would cause harm to people or the environment.

We have included a copy of the spill report for this and adjacent properties which shows there have been no reported spills on this property.

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4. CONCLUSIONS

Based on the Visual On-Site Inspection of the property and the report from New York State DEC Spill Report Archive, North American Environmental Services can find no reasonable visual evidence of hazardous materials or hazardous waste activity and poses no threat to human health or the environment.

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5. CERTIFICATION

North American Environmental Services Corp. (NAES) cannot represent in absolute terms that materials used in the construction of buildings and improvements on the property or surface soils, surface waters, subsurface soils and subsurface groundwaters on and surrounding the property are reasonably free from contamination by hazardous materials or wastes without actually sampling and analyzing selective areas of the property.

This report is based partially on information obtained from others and NAES makes no representations or warranty concerning the accuracy or completeness of this information in describing site operations or environmental conditions. Moreover, some of the information presented in this report may be subject to interpretation and, differing conclusions and recommendations are possible. The information contained in this report was developed from information available and conditions observed on the survey date. NAES does not assume liability for financial or other losses or subsequent damage caused by or related to any use of this document.

NAES hereby certifies that the Corporation or any of it's officers or employees have no interest, present or contemplated in the property and that neither the employment to undertake the Phase I Environmental Risk Assessment nor the compensation received is contingent on the value of the property.

On the date specified in Section 1.2 of this report, NAES certifies that Mr. James L. Alaimo personally inspected the property listed in Section 2.1 of this report and that, according to his knowledge and belief all statements and information in the report dated and signed by him are true and correct.

08/26/91

NORTH AMERICAN ENVIRONMENTAL SERVICES

JAMES L. ALAIMO
CERTIFIED ENVIRONMENTAL INSPECTOR # 6758

BY: James L. Alaimo

NORTH AMERICAN ENVIRONMENTAL SERVICES
DIVISION OF NAES CORP

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EXHIBIT A

PROPERTY INSPECTION GUIDE

SITE: 235 River Road North Tonawanda, NY 14120 BORROWER NAME: Gary Metzger

OTHERS PARTICIPATING IN INVESTIGATION: None

PROPERTY CONDITION	LOCATION	SIGNIFICANCE
UNDEVELOPED PROPERTY		
1) Stained or discolored ground	no	
2) Absence of vegetation or dead vegetation	Partially paved and gravel drive and parking lot	
3) Hills, mounds, depressions	no	
4) Liquids, (flowing, standing, ponded) - discolored, odorous	no	
5) Odors (solvent, petroleum etc)	no	
6) Containers (drums, pails, bags boxes, barrels)	no	
7) Fill pipes (pipes sticking out of the ground	no	
8) Roads, paths, trails, railroad tracks or railroad track bedding	North & East Sides	Railroad Ties and Railroad Track Bedding
9) Manholes, drainage ditches, culverts, gullies	no	

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PROPERTY CONDITION	LOCATION	SIGNIFICANCE
10) Discolored water oil film, foaming etc.	no	
11) Stock-piled materials (road site, coal etc.)	no	
12) Buildings	yes	Metal Building with Metal Roof
13) Stained or Discolored walls, floors, ceiling	no	
14) Unpaved parking lots	Yes	Partially paved and gravel drive and parking lot
15) Pollution control equipment	no	
16) Raw material receiving and storage areas	no	
17) Sanitary, process waste and storm sewers and pump station	no	
18) Electrical transformers	no	
19) Fuel storage and transfer lines	no	
20) Process tanks, vats, pits, ponds, lagoons	no	
21) Waste disposal areas	no	
22) Indication of asbestos and other similar materials	no	
23) Other (Describe)	30 ± used tires contained in building	
24) Inactive Hazardous Waste Sites within 1 mile site	Waiting for response from the NYS DEC Region 9	

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ADJACENT PROPERTY

25) Locations (in relation to project):

North: Ranney Precision Machine
East : Benman Collision
South: Spier Machinery
West : Fast Lane Auto Repair Shop

26) Physical Characteristics by property:

North: Grassy Lawn - Concrete Lawn
East : Grassy Field
South: Paved Drive
West : Gravel Partially Paved Drive and Parking Lot

27) Apparent Property Conditions:

Clean, No Debris

Date: August 26, 1991

North American Environmental Services
(Environmental Consulting Firm)
James L. Alaimo
Certified Environmental Inspector #6758

By: James Alaimo

PBS # : 9-600970

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Petroleum Bulk Storage Program
Facility Information Report

Printed : 12/3/2020 pbsfacrpt_foil.rpt

Site Information

METZGER REMOVAL INC
235 RIVER ROAD
North Tonawanda, NY 14120

Site Phone: (716) 692-1810

Town: Cambria **County: Niagara**

Facility Operator: GARY METZGER

Tax Map Information

Boro/Sec.:
Block:
Lot:

Site Owner Information

METZGER REMOVAL INC
235 RIVER ROAD
NORTH TONAWANDA, NY 14120

(716) 692-1810

Owner Type : Corporate/Commercial/Other

Mail Correspondent Information

METZGER REMOVAL INC
235 RIVER ROAD
NORTH TONAWANDA, NY 14120

ATTN: GARY METZGER

(716) 692-1810

Authorized Representative: GARY METZGER

Emergency Contact: GARY METZGER

Emergency Phone: (716) 818-4000

Site Status : Active **Reg Expires : 08/20/2022** **Cert Printed: 02/04/2019** **Total Active Tanks : 8** **Last Inspected: 01/02/2019**
Site Type: Manufacturing (Other than Chemical)/Processing **Cert Issued: 01/18/2019** **Total Active Capacity : 3,075** **Inspected By: PTDIEZ**

(2) Tank No	(3) Tank Loc	(4) Status	(5) Date Instal	(5) Date Closed	(6) Capacity (gals)	(7) Product	(8) Tank Type	(9) Tank IP	(10) Tank EP	(11) Tank SC	(12) Tank LD	(13) Tank OP	(14) Tank SP	(15) Tank Disp	(16) Pipe Loc	(17) Pipe Type	(18) Pipe EP	(19) Pipe SC	(20) Pipe LD	(21) UDC	Next Tank Test	Next Line Test	Tank Owner
1	2	1	06/11/2005		500	0008	01	00	01	01	00	00	00	01	00	00	00	00	00				
Subpart: 4		Category: 2																					
2	2	1	06/11/2005		1,000	0008	01	00	01	01	00	00	00	01	00	00	00	00	00	X			
Subpart: 4		Category: 2																					
3	3	1	10/01/2015		575	2642	01	00	01	00	00	00	01	04	00	00	00	00	00	X			
Subpart: 4		Category: 2																					
4	3	1	10/01/2015		275	2642	01	00	01	00	00	00	00	00	00	00	00	00	00				
Subpart: 4		Category: 2																					
5	3	1	07/01/2015		275	0015	01	00	01	00	00	00	01	06	00	00	00	00	00	X			
Subpart: 4		Category: 2																					
6	3	1	07/01/2015		160	0015	01	00	01	00	00	00	01	06	00	00	00	00	00	X			
Subpart: 4		Category: 2																					
7	3	1	07/01/2015		160	0015	01	00	01	00	00	00	01	06	00	00	00	00	00	X			
Subpart: 4		Category: 2																					
8	3	1	07/01/2015		130	0015	01	00	01	00	00	00	01	06	00	00	00	00	00	X			
Subpart: 4		Category: 2																					

(See Reverse Side or Last Page for Code Keys)

PETROLEUM BULK STORAGE APLICATION - SECTION B - TANK INFORMATION - CODE KEYS

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Recondition/Repair/Reline

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, leggs, stilts, rack or cradle
4. Tank 10% or more below ground
5. Underground including vaulted with no access for inspection
6. Aboveground in Subterranean

Status (4)

1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

Products Stored (7)

Heating Oils: On-Site Consumption

0001. #2 Fuel Oil
0002. #4 Fuel Oil
0259. #5 Fuel Oil
0003. #6 Fuel Oil
0012. Kerosene
0591. Clarified Oil
2711. Biodiesel (Heating)
2642. Used Oil (Heating)

Heating Oils: Resale/ Redistribution

2718. #2 Fuel Oil
2719. #4 Fuel Oil
2720. #5 Fuel Oil
2721. #6 Fuel Oil
2722. Kerosene
2723. Clarified Oil
2724. Biodiesel (Heating)

Motor Fuels

0009. Gasoline
2712. Gasoline/Ethanol
0008. Diesel
2710. Biodiesel
0011. Jet Fuel
1044. Jet Fuel (Biofuel)
2641. Aviation Gasoline

Lubricating/Cutting Oils

0013. Lube Oil
0015. Motor Oil
1045. Gear/Spindle Oil
0010. Hydraulic Oil
0007. Cutting Oil
0021. Transmission Fluid
1836. Turbine Oil

Oils Used as Building Materials

2626. Asphaltic Emulsions
0748. Form Oil

Petroleum Spirits

0014. White/Mineral Spirits
1731. Naptha

Mineral/Insulating Oils

0020. Insulating Oil (e.g., Transformer, Cable Oil)
2630. Mineral Oil

Waste/Used/Other Oils

0022 Waste/Used Oil
9999. Other-Please list:*

Crude Oil

0006. Crude Oil
0701. Crude Oil Fractions

Tank Type (8)

01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-Please list:*

Internal Protection (9)

00. None
01 Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-Please list:*

External Protection (10/18)

00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07 Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane

Tank Secondary Containment (11)

00. None
01. Diking (AST Only)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (UST Only)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation Liner
09. Modified Double-Walled (AST Only)
10. Impervious Underlayment (AST Only)**
11. Double Bottom (AST Only)**
12. Double-Walled (AST Only)
99. Other - Please List:*

Tank Leak Detection (12)

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank Gauge)
06. Impervious Barrier/Concrete Pad (AST Only)
07. Statistical Inventory Reconciliation (SIR)
08. Weep holes in vaults with no access for inspection.

Overfill Protection (13)

00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-Off
04. Product Level Gauge (AST)
05. Vent Whistle
99. Other-Please list:*

Spill Prevention (14)

00. None
01. Catch Basin
99. Other-Please list:*

Pumping/Dispensing Method (15)

00. None
01. Presurized Dispenser
02. Suction Dispenser
03. Gravity
04. On-Site Heating System (Suction)
05. On-Site Heating System (Supply/Return)
06. Tank-Mounted Dispenser

Piping Location (16)

00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)

00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping

Piping Secondary Containment (19)

00. None
01. Diking (Aboveground Only)
02. Vault (w/access)
04. Double-Walled (Underground Only)
06. Remote Impounding Area
07. Trench Liner
12. Double-Walled (Aboveground Only)
99. Other - Please List:*

Pipe Leak Detection (20)

00. None
01. Interstitial Electronic Monitoring
02. Insterstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
09. Exempt Suction Piping
10. Statistical Inventory Reconciliation (SIR)
99. Other-Please list:*

Under Dispenser Containment (UDC) (21)

Check Box if Present. . . . . .

* If other, please list on a separate sheet including tank number

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements

New York State Department of Environmental Conservation – Petroleum Bulk Storage (PBS) Inspection Form

DATE: January 2, 2019 DEC INSPECTOR: Patrick Diez

FACILITY REP. NAME & TITLE: Paul Chmiel

PBS #: 9 - 600970 or ☐ Unregistered

FACILITY NAME: Metzger Removal Inc.

FACILITY ADDRESS: 235 River Road

FACILITY PHONE: (716) 692-1810

North Tonawanda, NY 14120

Facility-Level Information

1. Is the inspection announced or unannounced?	☑ Announced ☐ Unannounced
2. Is the registration certificate posted at a conspicuous location at the facility?	☐ **Y** ☑ **N** ☐ **1** (not signed)
3. Is the registration information current and accurate?	☐ **Y** ☐ **N** (inaccurate information) ☑ **1** (expired registration) ☐ **2** (unregistered facility) ☑ **3** (unregistered tank)
4. Does the facility have an as-built diagram?	☐ **Y** ☐ **N** ☑ **X** (not required) ☐ **1** (incomplete)

Tank-Specific Information Tank Registration #	1	2	unreg1	unreg2	unreg3
Applicable Subpart: **2** / **3** / **4**	4	4	4	4	4
Product Stored/Tank Volume	0008 / 500	0008 / 1000	2642 / 500-1K	2642 / 275	0015 / ?
Date Installed	06/11/2015	06/11/2015	?	?	?
5. Are monitoring/observation wells marked and secured? **Y** / **X** (no wells) / **1** (not marked) / **2** (improperly marked) / **3** (not secured)	X	X	X	X	X
6. Is the dispenser sump present when required and in good working order? **Y** / **N** (not present when required) / **X** (no sump; not required) / **1** (lacks integrity) / **2** (contains water/debris) / **3** (no access)	X	X	X	X	X
7. For motor fuel tank systems with pressurized piping, are shear valves properly installed and operable? **Y** / **N** (no shear valve) / **X** (not pressurized piping; not motor fuel) / **1** (valve inoperable) / **2** (improperly installed) / **3** (no access)	X	X	X	X	X
8. Was the tank properly closed, or service changed, with pre-notification? **Y** / **X** (active or out-of-service tank) / **1** (improper closure method) / **2** (no site assessment performed for Subpart 2 tank at time of closure/change-in-service) **3** (no closure report; not maintained for 3 years) / **4** (closure report not submitted) / **5** (tank closed without pre-work notification)	X	X	X	X	X
9. If the tank system is out-of-service (OOS), is it following all OOS requirements? ASTs may remain OOS for longer than 12 months if another active tank is at the facility. **Y** / **X** (active/closed tank) / **1** (piping not capped/secured) / **2** (vent lines not left open) / **3** (not closed after 12 months)	X	X	X	X	X
10. Is the facility free of observable spills and have reportable spills been reported? Mark all that apply and describe as needed in the notes/comments section. **Y** / **1** (petroleum in spill bucket) / **2** (petroleum in sump) / **3** (petroleum in dispenser sump) / **4** (petroleum in tank secondary containment) / **5** (petroleum in the environment) / **6** (suspected spill not investigated) / **7** (suspected spill not reported) / **8** (spill not reported) / **9** (release not reported) / **10** (failed spill bucket test not reported) / **11** (failed sump test not reported)	Y	Y	Y	Y	Y
11. Is the fill port/tank color coded/marked to identify the product in the tank system? **Y** / **N** (not color coded/marked) / **X** (day tank) / **1** (incorrectly color coded/marked)	N	Y	N	N	Y

COMPLIANCE WITH REGULATORY REQUIREMENTS WAS ASSESSED VIA THE FOLLOWING METHODS:
FIELD OBSERVATION, RECORDS REVIEW, AND/OR INTERVIEW WITH FACILITY REPRESENTATIVE

Leak Detection (equipment) Tank Registration #	1	2	unreg1	unreg2	unreg3
12. Does the system have the required equipment installed to perform leak detection? **Y** (see applicable questions below) / **N** / **X** (leak detection not required; tank is out-of-service and empty [≤1 inch]; exempt tank/piping; uses tightness testing or SIR [see applicable questions below])		TANK PIPING			

Leak Detection (standards and performance): Fill out ONLY the applicable leak detection methods below for each system

Automatic Tank Gauging (ATG)					
13. Does the ATG meet leak detection standards (a NWGLDE-listed device meets standards)? **Y** / **N** / **1** (inoperable)					
14. Is the ATG set up properly to conduct leak tests? **Y** / **X** (unable to confirm) / **1** (tests not being performed; not performed at least weekly) / **2** (not set up properly to conduct leak tests [e.g., configuration, timing]) / **3** (measurements do not include portions of tank that routinely contains petroleum) / **4** (no weekly records; not maintained for 3 years) / **5** (no monthly operability records for electronic LD; not maintained for 3 years) / **6** (inappropriate method for Subpart/Category and no other compliant method used)					
15. Is the ATG tested annually for proper operation? **Y** / **N** / **X** (Subpart 3 tank system) / **1** (alarm not tested) / **2** (leak rate/tank size configuration not verified) / **3** (battery backup not tested) / **4** (float not tested) / **5** (communication with console not tested) / **6** (no records; not maintained for 3 year)					
Manual Tank Gauging (MTG)					
16. Is manual tank gauging being performed properly? **Y** / **1** (tests not being performed; not performed at least weekly) / **2** (tank size not appropriate [>1000 gal.]) / **3** (equipment not capable of 1/8" measurement) / **4** (no records; not maintained for 3 years) / **5** (inappropriate method for Subpart/Category and no other compliant method used)					
Tank Testing					
17. Is tank testing conducted within the required time frame? **Y** / **1** (test not conducted annually) / **2** (test report not submitted) / **3** (no test report; not maintained until date of next test) / **4** (inappropriate method for Subpart/Category and no other compliant method used)					
Line Testing					
18. Is line testing conducted within the required time frame? **Y** / **1** (pressurized piping not tested annually) / **2** (non-exempt suction piping not tested within required time frame) / **3** (test report not submitted) / **4** (no test report; not maintained until date of next test) / **5** (inappropriate method for Subpart/Category and no other compliant method used)					
Inventory Monitoring					
19. Does the facility have adequate inventory records for metered tanks storing motor fuel/kerosene that will be sold as part of a commercial transaction? **Y** / **1** (no records; not maintained for 3 years) / **2** (no tank bottom water measurements) / **3** (equipment not capable of 1/8" measurement) / **4** (meter not calibrated) / **5** (no reconciliation of records) / **6** (improper reconciliation)					

Leak Detection (continued)	1	2	unreg1	unreg2	unreg3
Groundwater/Vapor Monitoring					
20. Is there a site assessment report indicating location and number of groundwater/vapor monitoring wells? **Y** / **N** (no report) / **1** (wells not properly designed/positioned to detect leaks) / **2** (GW not always detectable in GW well [GW is more than 20' from surface]) / **3** (vapor well affected by GW)		TANK PIPING			
21. Is leak detection being performed? Note that continuous electronic monitoring satisfies weekly requirements (weekly records are not required). **Y** / **1** (not performed; not performed at least weekly) / **2** (no weekly records; not maintained for 3 years) **3** (no monthly operability records for electronic LD; not maintained for 3 years) / **4** (inappropriate method for Subpart/Category and no other compliant method used)		TANK PIPING			
22. Is handheld electronic sampling equipment being tested annually for operability? **Y** / **X** (electronic sampling equipment not used; Subpart 3 tank system) / **1** (not tested annually) / **2** (no records; not maintained for 3 years)					
Interstitial Monitoring (IM)					
23. Is the secondary containment in good working order (i.e., double-walled tank, double walled-piping, and <u>any</u> sump used for leak detection)? **Y** / **N** (not tight) / **1** (sump contains water/debris) / **2** (sump lacks integrity) / **3** (no access)		TANK PIPING			
24. Is the sensor operational and, for piping, properly positioned in the sump? **Y** / **X** (manual monitoring; no access) / **1** (inoperable) / **2** (sensor not properly positioned in sump)		TANK PIPING			
25. Is leak detection being performed? Note that continuous electronic monitoring satisfies weekly requirements (weekly records are not required). **Y** / **1** (not performed; not performed at least weekly) / **2** (no weekly records; not maintained for 3 years) **3** (no monthly operability records for electronic LD; not maintained for 3 years)		TANK PIPING			
26. Are the probes and sensors inspected annually? **Y** / **N** / **X** (manual monitoring; Subpart 3 tank system) / **1** (not inspected for residual buildup) / **2** (float not tested) / **3** (visually accessible cable not inspected for kinks/breaks) / **4** (alarm operability not tested) **5** (communication with console not tested) / **6** (no records; not maintained for 3 years)		TANK PIPING			
27. Are the sump(s) (tank-top, UDC, transition), <u>used for IM,</u> tested triennially for tightness? Alternatively, double-walled sumps can instead test the integrity of both walls annually. The interstitial space of these double-walled sumps must be held under pressure, vacuum, or be liquid-filled and be equipped with an indicator/gauge to use this alternative method. Piping installed before 4/13/16 can perform a line test in lieu of IM <u>for EPA</u>. **Y** / **X** (IM not used for piping; Subpart 3 tank system) / **1** (not tested triennially) / **2** (integrity of both walls not tested) / **3** (no test records; not maintained for 3 years)					
Automatic Line Leak Detector (ALLD)					
28. Is the ALLD present and does it appear to be operational? **Y** / **N** (not present) / **1** (not operational) / **2** (no access)					
29. For Subpart 2 facilities, has the annual functionality test of the ALLD been conducted, and are records available? **Y** / **N** (not tested annually) / **X** (Subpart 3 tank system) / **1** (no records; not maintained for 3 years)					
Statistical Inventory Reconciliation (SIR)					
30. Is SIR being performed properly? **Y** / **1** (SIR method does not meet standards [NWGLDE-listed meets standards]) / **2** (not performed; not performed at least weekly) / **3** (no records; not maintained for 3 years) / **4** (inappropriate method for Subpart/Category and no other compliant method used)		TANK PIPING			
Weep Holes					
31. Are all weep holes visible and are they free of obstructions? **Y** / **1** (not visible) / **2** (obstructed)					
32. Is leak detection being performed? **Y** / **1** (not performed; not performed at least weekly) / **2** (no records; not maintained for 3 years) / **3** (inappropriate method for Subpart/Category and no other compliant method used)					

Subpart 2 UST Systems Tank Registration #	1	2	unreg1	unreg2	unreg3
33. Does the Category 2/3 tank have a fill port label? **Y** / **N** / **X** (Cat.1 tank) / **1** (incomplete label)					
34. Is the spill bucket present and functional? **Y** / **N** (not present when required) / **X** (tank receives ≤ 25 gal. at a time) **1** (contains water/debris) / **2** (lacks integrity) / **3** (no access)					
35. Is the spill bucket tested triennially for tightness? Alternatively, double-walled spill buckets can instead be monitored for the integrity of both walls every 30 days. The interstitial of these double-walled spill buckets must be held under pressure, vacuum, or be liquid-filled and be equipped with an indicator/gauge to use this alternative method. **Y** / **X** (no spill bucket) / **1** (not tested triennially) / **2** (interstice not monitored monthly) / **3** (no test/ monitoring records; not maintained for 3 years)					
36. Is the overfill prevention device (i.e., automatic shut-off, high-level alarm, ball float valve) present and functional? **Y** / **N** (not present) / **X** (tank receives ≤ 25 gal. at one time) / **1** (cannot verify) If automatic shutoff or high-level alarm is not functional: **2** (not set at appropriate level) / **3** (alarm not audible/visible to driver) / **4** (inoperable) If ball float valve is not functional: **5** (Stage I coaxial vapor recovery is present) / **6** (piping system is suction) / **7** (spill bucket drain valve broken/impaired by debris)					
37. Is the overfill prevention device inspected triennially and are records being maintained? **Y** / **N** (not inspected) / **X** (not present) / **1** (not inspected for being set at appropriate level) / **2** (not inspected for activating at appropriate level) / **3** (no records; not maintained for 3 years)					
38. Does the Cat. 2/3 tank and Cat. 3 piping have secondary containment installed and is it tight? This includes any sump used as part of the piping secondary containment which would capture a leak from the primary piping. **Y** / **N** (no appropriate secondary containment) / **X** (Cat. 1 tank; Cat. 1/2 piping) / **1** (not tight) / **2** (sump lacks integrity) / **3** (no access)		TANK PIPING			
39. Was the metal tank system, in contact with soil, installed with a cathodic protection system? Category 1 tanks must have installed a cathodic protection system or lining by 12/22/98. **Y** / **X** (inherently corrosion-resistant) / **1** (does not have CP installed or Cat. 1 tank has no CP or lining) / **2** (portion of piping [including fittings, connectors, etc.] not protected from corrosion)		TANK PIPING			
40. Is the cathodic protection system tested annually and is it providing continuous protection? **Y** / **X** (no CP system installed) / **1** (system not tested annually) / **2** (inadequate monitoring – not enough readings) / **3** (minimum protection not provided as indicated on test) / **4** (no records; not maintained for 3 years)		TANK PIPING			
41. If an impressed current system is in use, has the system been operated continuously? **Y** / **X** (no impressed current system) / **1** (rectifier is not operational) / **2** (rectifier does not have electrical power 24/7) / **3** (clock shows that power has been turned off) / **4** (not inspected every 60 days) / **5** (no records; not maintained for 3 years)					
42. For lined Cat. 1 USTs, is the internal lining being inspected periodically (i.e., within 10 years after installation and every 5 years thereafter)? **Y** / **N** (no inspection) / **X** (UST not lined; Cat. 2/3 UST; lining installed w/ CP) / **1** (operating with failed lining) / **2** (inspection procedure not acceptable) / **3** (no report; not maintained for 5 years)					
43. If a cathodically protected tank or piping was structurally repaired, were CP systems tested/inspected within 6 months after repair? **Y** / **N** / **X** (no CP system/structural repair)					
44. Were structurally repaired tank and piping tested for tightness within 30 days after repair completion? A tightness test is not required when an internal inspection is conducted after a repair or if a weekly leak detection method is in use. **Y** / **N** / **X** (no structural repair; internal inspection performed; weekly LD used)					

Subpart 2 UST Systems (continued) Tank Registration #	1	2	unreg1	unreg2	unreg3
45. Is there a designated Class A Operator and is that person properly authorized? **Y** / **N** (no authorized Operator) / **1** (current authorized Class A Operator is not designated) / **2** (no records)					
46. Is there a designated Class B Operator and is that person properly authorized? **Y** / **N** (no authorized Operator) / **1** (current authorized Class B Operator is not designated) / **2** (no records)					
47. Is there a designated Class C Operator and is that person properly trained? **Y** / **N** (no trained Operator) / **1** (no records; not designated)					
48. Does the Category 3 tank system have an installer certification and manufacturer's checklist (only applies to tank and piping)? **Y / X** (Category 1 or 2 system) / **1** (no installer certification) / **2** (no manufacturer's checklist or PE inspection & certification)					
49. Did the facility conduct 30-day and annual walkthrough inspections? If a code of practice is followed, it must be followed in its entirety (e.g., daily inspections). **Y** / **1** (30-day walkthrough not performed or inadequate) / **2** (annual walkthrough not performed or inadequate) / **3** (code of practice not followed) / **4** (no 30-day walkthrough records; not maintained for 1 year) / **5** (no annual-walkthrough records; not maintained for 1 year)					
50. Is the facility complying with financial responsibility? **Y** / **N**					

Subpart 3 UST Systems Tank Registration #	1	2	unreg1	unreg2	unreg3
51. Does the Category 2/3 tank have a fill port label? **Y** / **N** / **X** (Cat. 1 tank) / **1** (incomplete label)					
52. Does the Category 2/3 tank have an overfill prevention device (i.e., automatic shut-off, high-level alarm, ball float valve) and is it functional? **Y** / **N** (not present) / **X** (tank receives ≤ 25 gal. at one time) / **1** (cannot verify) If automatic shutoff or high-level alarm is not functional: **2** (not set at appropriate level) / **3** (alarm not audible/visible to driver) / **4** (inoperable) If ball float valve is not functional: **5** (piping system is suction) / **6** (spill bucket drain valve broken/impaired by debris)					
53. Does the Cat. 2/3 tank have secondary containment installed and is it tight? **Y** / **N** (no appropriate secondary containment) / **X** (Cat. 1 tank) / **1** (not tight)					
54. Was the metal tank system, in contact with soil, installed with a cathodic protection system? **Y** / **X** (inherently corrosion-resistant; Cat. 1 tank/piping; not in contact with soil) **1** (does not have CP installed) / **2** (portion of piping [including fittings, connectors, etc.] not protected from corrosion)		TANK PIPING			
55. Is the cathodic protection system tested annually and is it providing continuous protection? **Y** / **X** (no CP system installed) / **1** (system not tested annually) / **2** (inadequate monitoring – not enough readings) / **3** (minimum protection not provided as indicated on test) / **4** (no records; not maintained for 3 years)		TANK PIPING			

COMPLIANCE WITH REGULATORY REQUIREMENTS WAS ASSESSED VIA THE FOLLOWING METHODS:
FIELD OBSERVATION, RECORDS REVIEW, AND/OR INTERVIEW WITH FACILITY REPRESENTATIVE

Subpart 4 AST Systems Tank Registration #	1	2	unreg1	unreg1	unreg1
56. For Cat. 2 and 3 ASTs, does the AST meet standards? **Y** / **X** (Cat. 1 AST) / **1** (tank does not meet construction standards) / **2** (no surface coating) / **3** (tank on grade w/o impermeable barrier) / **4** (no leak detection between tank & barrier)	Y	2	Y	Y	Y
57. Was the metal tank system, in contact with soil, installed with a cathodic protection system? **Y** / **X** (inherently corrosion-resistant; Cat. 1 tank/piping; not in contact with soil) / **1** (does not have CP installed) / **2** (portion of piping [including fittings, connectors, etc.] not protected from corrosion)	X X	X X	X X	X X	X X
58. Is the cathodic protection system tested within the required time frame and is it providing continuous protection? **Y** / **X** (no CP system installed) / **1** (system not tested annually) / **2** (inadequate monitoring – not enough readings) / **3** (minimum protection not provided as indicated on test) / **4** (no records; not maintained for 3 years)	X X	X X	X X	X X	X X
59. If an impressed current system is in use, has the system been operated continuously? **Y** / **X** (no impressed current system) / **1** (rectifier is not operational) / **2** (rectifier does not have electrical power 24/7) / **3** (clock shows that power has been turned off) / **4** (not inspected every 60 days) **5** (no records; not maintained for 3 years)	X	X	X	X	X
60. For ASTs ≥10,000 gallons, is the secondary containment adequately designed and in good condition? **Y** / **N** (no secondary containment) / **X** (<10,000 gallons; refer to question 61) / **1** (secondary containment lacks integrity) / **2** (contains water/debris) / **3** (inadequate design)	X	X	X	X	X
61. For ASTs <10,000 gallons that are within 500 feet of a sensitive receptor, is the secondary containment adequately designed or is the tank using alternatives which address DER-25 issues? **Y** / **N** (no secondary containment/alternative equipment) / **X** (not required/applicable) / **1** (secondary containment lacks integrity/equipment not maintained) / **2** (contains water/debris) / **3** (inadequate design/DER-25 issues not addressed)	1	1	Y	Y	Y
62. Are dike drain valves locked in a closed position? **Y** / **N** (unlocked) / **X** (no dike/discharge pipe) / **1** (no valve on discharge pipe)	N	N	X	X	X
63. Does the AST have a gauge, high-level alarm, high-level liquid pump cut-off controller, or an equivalent device? **Y** / **N** / **1** (inoperable)	Y	Y	N	N	Y
64. Is the tank marked with design & working capacities and tank ID number? **Y** / **N** / **1** (incomplete label)	N	1	N	N	1
65. Is a solenoid or equivalent valve in place for gravity-fed motor fuel dispensers? **Y** / **N** / **X** (AST system not storing motor fuel OR dispensers not gravity-fed) / **1** (inoperable) / **2** (not adjacent to and downstream from the operating valve)	X	X	X	X	X
66. Is a check valve in place for pump-filled ASTs with remote fills? **Y** / **N** / **X** (no remote fill) / **1** (inoperable)	Y	Y	X	X	X
67. Is an operating valve in place on every line with gravity head? **Y** / **N** / **X** (no gravity head on line) / **1** (inoperable)	X	X	X	X	Y
68. Are monthly inspections being performed? **Y** / **N** / **1** (inadequate inspection) / **2** (no records; not maintained for 3 years)	N	N	N	N	N
69. Are ten-year inspections (internal inspections or tightness tests) for Cat. 1 systems being conducted? **Y** / **N** / **X** (not required per Part 613-4.3(a)(1)(iii) OR Cat. 2/3 AST system) / **1** (inadequate inspection) / **2** (test report not submitted) / **3** (no records; not maintained for 10 years)	X	X	X	X	X
70. Does the facility conduct tightness testing at ten-year intervals for underground piping installed before 12/27/86? **Y** / **N** / **X** (piping installed on or after 12/27/86; not underground) / **1** (no records; not maintained for 10 years)	X	X	X	X	X

New York State Department of Environmental Conservation – Petroleum Bulk Storage (PBS) Inspection Form

DATE: January 2, 2019 DEC INSPECTOR: Patrick Diez

FACILITY REP. NAME & TITLE: Paul Chmiel

PBS #: 9 - 600970 or ☐ Unregistered

FACILITY NAME: Metzger Removal Inc.

FACILITY ADDRESS: 235 River Road

FACILITY PHONE: (716) 692-1810

North Tonawanda, NY 14120

Facility-Level Information

1. Is the inspection announced or unannounced?	☑ Announced ☐ Unannounced
2. Is the registration certificate posted at a conspicuous location at the facility?	☐ **Y** ☑ **N** ☐ **1** (not signed)
3. Is the registration information current and accurate?	☐ **Y** ☐ **N** (inaccurate information) ☑ **1** (expired registration) ☐ **2** (unregistered facility) ☑ **3** (unregistered tank)
4. Does the facility have an as-built diagram?	☐ **Y** ☐ **N** ☑ **X** (not required) ☐ **1** (incomplete)

Tank-Specific Information — Tank Registration #	unreg4	unreg5	unreg6		
Applicable Subpart: **2** / **3** / **4**	4	4	4		
Product Stored/Tank Volume	0015 ?	0015 ?	0015 ?		
Date Installed	?	?	?		
5. Are monitoring/observation wells marked and secured? **Y** / **X** (no wells) / **1** (not marked) / **2** (improperly marked) / **3** (not secured)	X	X	X		
6. Is the dispenser sump present when required and in good working order? **Y** / **N** (not present when required) / **X** (no sump; not required) / **1** (lacks integrity) / **2** (contains water/debris) / **3** (no access)	X	X	X		
7. For motor fuel tank systems with pressurized piping, are shear valves properly installed and operable? **Y** / **N** (no shear valve) / **X** (not pressurized piping; not motor fuel) / **1** (valve inoperable) / **2** (improperly installed) / **3** (no access)	X	X	X		
8. Was the tank properly closed, or service changed, with pre-notification? **Y** / **X** (active or out-of-service tank) / **1** (improper closure method) / **2** (no site assessment performed for Subpart 2 tank at time of closure/change-in-service) **3** (no closure report; not maintained for 3 years) / **4** (closure report not submitted) / **5** (tank closed without pre-work notification)	X	X	X		
9. If the tank system is out-of-service (OOS), is it following all OOS requirements? ASTs may remain OOS for longer than 12 months if another active tank is at the facility. **Y** / **X** (active/closed tank) / **1** (piping not capped/secured) / **2** (vent lines not left open) / **3** (not closed after 12 months)	X	X	X		
10. Is the facility free of observable spills and have reportable spills been reported? Mark all that apply and describe as needed in the notes/comments section. **Y** / **1** (petroleum in spill bucket) / **2** (petroleum in sump) / **3** (petroleum in dispenser sump) / **4** (petroleum in tank secondary containment) / **5** (petroleum in the environment) / **6** (suspected spill not investigated) / **7** (suspected spill not reported) / **8** (spill not reported) / **9** (release not reported) / **10** (failed spill bucket test not reported) / **11** (failed sump test not reported)	Y	Y	Y		
11. Is the fill port/tank color coded/marked to identify the product in the tank system? **Y** / **N** (not color coded/marked) / **X** (day tank) / **1** (incorrectly color coded/marked)	Y	Y	Y		

COMPLIANCE WITH REGULATORY REQUIREMENTS WAS ASSESSED VIA THE FOLLOWING METHODS:
FIELD OBSERVATION, RECORDS REVIEW, AND/OR INTERVIEW WITH FACILITY REPRESENTATIVE

Leak Detection (equipment) Tank Registration #	unreg4	unreg5	unreg6		
12. Does the system have the required equipment installed to perform leak detection? **Y** (see applicable questions below) / **N** / **X** (leak detection not required; tank is out-of-service and empty [≤1 inch]; exempt tank/piping; uses tightness testing or SIR [see applicable questions below])					
	TANK				
	PIPING				

Leak Detection (standards and performance): Fill out ONLY the applicable leak detection methods below for each system

Automatic Tank Gauging (ATG)					
13. Does the ATG meet leak detection standards (a NWGLDE-listed device meets standards)? **Y** / **N** / **1** (inoperable)					
14. Is the ATG set up properly to conduct leak tests? **Y** / **X** (unable to confirm) / **1** (tests not being performed; not performed at least weekly) / **2** (not set up properly to conduct leak tests [e.g., configuration, timing]) / **3** (measurements do not include portions of tank that routinely contains petroleum) / **4** (no weekly records; not maintained for 3 years) / **5** (no monthly operability records for electronic LD; not maintained for 3 years) / **6** (inappropriate method for Subpart/Category and no other compliant method used)					
15. Is the ATG tested annually for proper operation? **Y** / **N** / **X** (Subpart 3 tank system) / **1** (alarm not tested) / **2** (leak rate/tank size configuration not verified) / **3** (battery backup not tested) / **4** (float not tested) / **5** (communication with console not tested) / **6** (no records; not maintained for 3 year)					
Manual Tank Gauging (MTG)					
16. Is manual tank gauging being performed properly? **Y** / **1** (tests not being performed; not performed at least weekly) / **2** (tank size not appropriate [>1000 gal.]) / **3** (equipment not capable of 1/8" measurement) / **4** (no records; not maintained for 3 years) / **5** (inappropriate method for Subpart/Category and no other compliant method used)					
Tank Testing					
17. Is tank testing conducted within the required time frame? **Y** / **1** (test not conducted annually) / **2** (test report not submitted) / **3** (no test report; not maintained until date of next test) / **4** (inappropriate method for Subpart/Category and no other compliant method used)					
Line Testing					
18. Is line testing conducted within the required time frame? **Y** / **1** (pressurized piping not tested annually) / **2** (non-exempt suction piping not tested within required time frame) / **3** (test report not submitted) / **4** (no test report; not maintained until date of next test) / **5** (inappropriate method for Subpart/Category and no other compliant method used)					
Inventory Monitoring					
19. Does the facility have adequate inventory records for metered tanks storing motor fuel/kerosene that will be sold as part of a commercial transaction? **Y** / **1** (no records; not maintained for 3 years) / **2** (no tank bottom water measurements) / **3** (equipment not capable of 1/8" measurement) / **4** (meter not calibrated) / **5** (no reconciliation of records) / **6** (improper reconciliation)					

Leak Detection (continued)	unreg4	unreg5	unreg6		
Groundwater/Vapor Monitoring					
20. Is there a site assessment report indicating location and number of groundwater/vapor monitoring wells? **Y** / **N** (no report) / **1** (wells not properly designed/positioned to detect leaks) / **2** (GW not always detectable in GW well [GW is more than 20' from surface]) / **3** (vapor well affected by GW)		TANK PIPING			
21. Is leak detection being performed? Note that continuous electronic monitoring satisfies weekly requirements (weekly records are not required). **Y** / **1** (not performed; not performed at least weekly) / **2** (no weekly records; not maintained for 3 years) **3** (no monthly operability records for electronic LD; not maintained for 3 years) / **4** (inappropriate method for Subpart/Category and no other compliant method used)		TANK PIPING			
22. Is handheld electronic sampling equipment being tested annually for operability? **Y** / **X** (electronic sampling equipment not used; Subpart 3 tank system) / **1** (not tested annually) / **2** (no records; not maintained for 3 years)					
Interstitial Monitoring (IM)					
23. Is the secondary containment in good working order (i.e., double-walled tank, double walled-piping, and <u>any</u> sump used for leak detection)? **Y** / **N** (not tight) / **1** (sump contains water/debris) / **2** (sump lacks integrity) / **3** (no access)		TANK PIPING			
24. Is the sensor operational and, for piping, properly positioned in the sump? **Y** / **X** (manual monitoring; no access) / **1** (inoperable) / **2** (sensor not properly positioned in sump)		TANK PIPING			
25. Is leak detection being performed? Note that continuous electronic monitoring satisfies weekly requirements (weekly records are not required). **Y** / **1** (not performed; not performed at least weekly) / **2** (no weekly records; not maintained for 3 years) **3** (no monthly operability records for electronic LD; not maintained for 3 years)		TANK PIPING			
26. Are the probes and sensors inspected annually? **Y** / **N** / **X** (manual monitoring; Subpart 3 tank system) / **1** (not inspected for residual buildup) / **2** (float not tested) / **3** (visually accessible cable not inspected for kinks/breaks) / **4** (alarm operability not tested) **5** (communication with console not tested) / **6** (no records; not maintained for 3 years)		TANK PIPING			
27. Are the sump(s) (tank-top, UDC, transition), <u>used for IM,</u> tested triennially for tightness? Alternatively, double-walled sumps can instead test the integrity of both walls annually. The interstitial space of these double-walled sumps must be held under pressure, vacuum, or be liquid-filled and be equipped with an indicator/gauge to use this alternative method. Piping installed before 4/13/16 can perform a line test in lieu of IM <u>for EPA</u>. **Y** / **X** (IM not used for piping; Subpart 3 tank system) / **1** (not tested triennially) / **2** (integrity of both walls not tested) / **3** (no test records; not maintained for 3 years)					
Automatic Line Leak Detector (ALLD)					
28. Is the ALLD present and does it appear to be operational? **Y** / **N** (not present) / **1** (not operational) / **2** (no access)					
29. For Subpart 2 facilities, has the annual functionality test of the ALLD been conducted, and are records available? **Y** / **N** (not tested annually) / **X** (Subpart 3 tank system) / **1** (no records; not maintained for 3 years)					
Statistical Inventory Reconciliation (SIR)					
30. Is SIR being performed properly? **Y** / **1** (SIR method does not meet standards [NWGLDE-listed meets standards]) / **2** (not performed; not performed at least weekly) / **3** (no records; not maintained for 3 years) / **4** (inappropriate method for Subpart/Category and no other compliant method used)		TANK PIPING			
Weep Holes					
31. Are all weep holes visible and are they free of obstructions? **Y** / **1** (not visible) / **2** (obstructed)					
32. Is leak detection being performed? **Y** / **1** (not performed; not performed at least weekly) / **2** (no records; not maintained for 3 years) / **3** (inappropriate method for Subpart/Category and no other compliant method used)					

Subpart 2 UST Systems Tank Registration #	unreg4	unreg5	unreg6		
33. Does the Category 2/3 tank have a fill port label? **Y** / **N** / **X** (Cat.1 tank) / **1** (incomplete label)					
34. Is the spill bucket present and functional? **Y** / **N** (not present when required) / **X** (tank receives ≤ 25 gal. at a time) **1** (contains water/debris) / **2** (lacks integrity) / **3** (no access)					
35. Is the spill bucket tested triennially for tightness? Alternatively, double-walled spill buckets can instead be monitored for the integrity of both walls every 30 days. The interstitial of these double-walled spill buckets must be held under pressure, vacuum, or be liquid-filled and be equipped with an indicator/gauge to use this alternative method. **Y** / **X** (no spill bucket) / **1** (not tested triennially) / **2** (interstice not monitored monthly) / **3** (no test/ monitoring records; not maintained for 3 years)					
36. Is the overfill prevention device (i.e., automatic shut-off, high-level alarm, ball float valve) present and functional? **Y** / **N** (not present) / **X** (tank receives ≤ 25 gal. at one time) / **1** (cannot verify) If automatic shutoff or high-level alarm is not functional: **2** (not set at appropriate level) / **3** (alarm not audible/visible to driver) / **4** (inoperable) If ball float valve is not functional: **5** (Stage I coaxial vapor recovery is present) / **6** (piping system is suction) / **7** (spill bucket drain valve broken/impaired by debris)					
37. Is the overfill prevention device inspected triennially and are records being maintained? **Y** / **N** (not inspected) / **X** (not present) / **1** (not inspected for being set at appropriate level) / **2** (not inspected for activating at appropriate level) / **3** (no records; not maintained for 3 years)					
38. Does the Cat. 2/3 tank and Cat. 3 piping have secondary containment installed and is it tight? This includes any sump used as part of the piping secondary containment which would capture a leak from the primary piping. **Y** / **N** (no appropriate secondary containment) / **X** (Cat. 1 tank; Cat. 1/2 piping) / **1** (not tight) / **2** (sump lacks integrity) / **3** (no access)		TANK PIPING			
39. Was the metal tank system, in contact with soil, installed with a cathodic protection system? Category 1 tanks must have installed a cathodic protection system or lining by 12/22/98. **Y** / **X** (inherently corrosion-resistant) / **1** (does not have CP installed or Cat. 1 tank has no CP or lining) / **2** (portion of piping [including fittings, connectors, etc.] not protected from corrosion)		TANK PIPING			
40. Is the cathodic protection system tested annually and is it providing continuous protection? **Y** / **X** (no CP system installed) / **1** (system not tested annually) / **2** (inadequate monitoring – not enough readings) / **3** (minimum protection not provided as indicated on test) / **4** (no records; not maintained for 3 years)		TANK PIPING			
41. If an impressed current system is in use, has the system been operated continuously? **Y** / **X** (no impressed current system) / **1** (rectifier is not operational) / **2** (rectifier does not have electrical power 24/7) / **3** (clock shows that power has been turned off) / **4** (not inspected every 60 days) / **5** (no records; not maintained for 3 years)					
42. For lined Cat. 1 USTs, is the internal lining being inspected periodically (i.e., within 10 years after installation and every 5 years thereafter)? **Y** / **N** (no inspection) / **X** (UST not lined; Cat. 2/3 UST; lining installed w/ CP) / **1** (operating with failed lining) / **2** (inspection procedure not acceptable) / **3** (no report; not maintained for 5 years)					
43. If a cathodically protected tank or piping was structurally repaired, were CP systems tested/inspected within 6 months after repair? **Y** / **N** / **X** (no CP system/structural repair)					
44. Were structurally repaired tank and piping tested for tightness within 30 days after repair completion? A tightness test is not required when an internal inspection is conducted after a repair or if a weekly leak detection method is in use. **Y** / **N** / **X** (no structural repair; internal inspection performed; weekly LD used)					

Subpart 2 UST Systems (continued) Tank Registration #	unreg4	unreg5	unreg6		
45. Is there a designated Class A Operator and is that person properly authorized? **Y** / **N** (no authorized Operator) / **1** (current authorized Class A Operator is not designated) / **2** (no records)					
46. Is there a designated Class B Operator and is that person properly authorized? **Y** / **N** (no authorized Operator) / **1** (current authorized Class B Operator is not designated) / **2** (no records)					
47. Is there a designated Class C Operator and is that person properly trained? **Y** / **N** (no trained Operator) / **1** (no records; not designated)					
48. Does the Category 3 tank system have an installer certification and manufacturer's checklist (only applies to tank and piping)? **Y / X** (Category 1 or 2 system) / **1** (no installer certification) / **2** (no manufacturer's checklist or PE inspection & certification)					
49. Did the facility conduct 30-day and annual walkthrough inspections? If a code of practice is followed, it must be followed in its entirety (e.g., daily inspections). **Y** / **1** (30-day walkthrough not performed or inadequate) / **2** (annual walkthrough not performed or inadequate) / **3** (code of practice not followed) / **4** (no 30-day walkthrough records; not maintained for 1 year) / **5** (no annual-walkthrough records; not maintained for 1 year)					
50. Is the facility complying with financial responsibility? **Y** / **N**					

Subpart 3 UST Systems Tank Registration #	unreg4	unreg5	unreg6		
51. Does the Category 2/3 tank have a fill port label? **Y** / **N** / **X** (Cat. 1 tank) / **1** (incomplete label)					
52. Does the Category 2/3 tank have an overfill prevention device (i.e., automatic shut-off, high-level alarm, ball float valve) and is it functional? **Y** / **N** (not present) / **X** (tank receives ≤ 25 gal. at one time) / **1** (cannot verify) If automatic shutoff or high-level alarm is not functional: **2** (not set at appropriate level) / **3** (alarm not audible/visible to driver) / **4** (inoperable) If ball float valve is not functional: **5** (piping system is suction) / **6** (spill bucket drain valve broken/impaired by debris)					
53. Does the Cat. 2/3 tank have secondary containment installed and is it tight? **Y** / **N** (no appropriate secondary containment) / **X** (Cat. 1 tank) / **1** (not tight)					
54. Was the metal tank system, in contact with soil, installed with a cathodic protection system? **Y** / **X** (inherently corrosion-resistant; Cat. 1 tank/piping; not in contact with soil) **1** (does not have CP installed) / **2** (portion of piping [including fittings, connectors, etc.] not protected from corrosion)		TANK PIPING			
55. Is the cathodic protection system tested annually and is it providing continuous protection? **Y** / **X** (no CP system installed) / **1** (system not tested annually) / **2** (inadequate monitoring – not enough readings) / **3** (minimum protection not provided as indicated on test) / **4** (no records; not maintained for 3 years)		TANK PIPING			

COMPLIANCE WITH REGULATORY REQUIREMENTS WAS ASSESSED VIA THE FOLLOWING METHODS:
FIELD OBSERVATION, RECORDS REVIEW, AND/OR INTERVIEW WITH FACILITY REPRESENTATIVE

Subpart 4 AST Systems Tank Registration #	unreg4	unreg5	unreg6		
56. For Cat. 2 and 3 ASTs, does the AST meet standards? **Y** / **X** (Cat. 1 AST) / **1** (tank does not meet construction standards) / **2** (no surface coating) / **3** (tank on grade w/o impermeable barrier) / **4** (no leak detection between tank & barrier)	Y	Y	Y		
57. Was the metal tank system, in contact with soil, installed with a cathodic protection system? **Y** / **X** (inherently corrosion-resistant; Cat. 1 tank/piping; not in contact with soil) / **1** (does not have CP installed) / **2** (portion of piping [including fittings, connectors, etc.] not protected from corrosion)	X X	X X	X X		
58. Is the cathodic protection system tested within the required time frame and is it providing continuous protection? **Y** / **X** (no CP system installed) / **1** (system not tested annually) / **2** (inadequate monitoring – not enough readings) / **3** (minimum protection not provided as indicated on test) / **4** (no records; not maintained for 3 years)	X X	X X	X X		
59. If an impressed current system is in use, has the system been operated continuously? **Y** / **X** (no impressed current system) / **1** (rectifier is not operational) / **2** (rectifier does not have electrical power 24/7) / **3** (clock shows that power has been turned off) / **4** (not inspected every 60 days) **5** (no records; not maintained for 3 years)	X	X	X		
60. For ASTs ≥10,000 gallons, is the secondary containment adequately designed and in good condition? **Y** / **N** (no secondary containment) / **X** (<10,000 gallons; refer to question 61) / **1** (secondary containment lacks integrity) / **2** (contains water/debris) / **3** (inadequate design)	X	X	X		
61. For ASTs <10,000 gallons that are within 500 feet of a sensitive receptor, is the secondary containment adequately designed or is the tank using alternatives which address DER-25 issues? **Y** / **N** (no secondary containment/alternative equipment) / **X** (not required/applicable) / **1** (secondary containment lacks integrity/equipment not maintained) / **2** (contains water/debris) / **3** (inadequate design/DER-25 issues not addressed)	Y	Y	Y		
62. Are dike drain valves locked in a closed position? **Y** / **N** (unlocked) / **X** (no dike/discharge pipe) / **1** (no valve on discharge pipe)	X	X	X		
63. Does the AST have a gauge, high-level alarm, high-level liquid pump cut-off controller, or an equivalent device? **Y** / **N** / **1** (inoperable)	Y	Y	Y		
64. Is the tank marked with design & working capacities and tank ID number? **Y** / **N** / **1** (incomplete label)	1	1	1		
65. Is a solenoid or equivalent valve in place for gravity-fed motor fuel dispensers? **Y** / **N** / **X** (AST system not storing motor fuel OR dispensers not gravity-fed) / **1** (inoperable) / **2** (not adjacent to and downstream from the operating valve)	X	X	X		
66. Is a check valve in place for pump-filled ASTs with remote fills? **Y** / **N** / **X** (no remote fill) / **1** (inoperable)	X	X	X		
67. Is an operating valve in place on every line with gravity head? **Y** / **N** / **X** (no gravity head on line) / **1** (inoperable)	Y	Y	Y		
68. Are monthly inspections being performed? **Y** / **N** / **1** (inadequate inspection) / **2** (no records; not maintained for 3 years)	N	N	N		
69. Are ten-year inspections (internal inspections or tightness tests) for Cat. 1 systems being conducted? **Y** / **N** / **X** (not required per Part 613-4.3(a)(1)(iii) OR Cat. 2/3 AST system) / **1** (inadequate inspection) / **2** (test report not submitted) / **3** (no records; not maintained for 10 years)	X	X	X		
70. Does the facility conduct tightness testing at ten-year intervals for underground piping installed before 12/27/86? **Y** / **N** / **X** (piping installed on or after 12/27/86; not underground) / **1** (no records; not maintained for 10 years)	X	X	X		

Notes/Comments:

Include additional information to be appended onto the record of inspection or notice of violation such as spill descriptions, follow-ups, and contact information.

- Registration expired, no certificate posted.
- Tank 2 storing motor fuel (0008), not heating oil (0001).
- Multiple color codes missing.
- All labels incomplete or missing.
- Tank 2 must be repainted.
- Tank 1 & 2 dikes not maintained, dike drains unlocked and open.
- Tanks unreg 1 & 2 (waste oil) missing gauges.
- No monthly inspections performed.
- 6 unregistered tanks.


Thompson St
River Rd
Thompson St
Niagara Falls
265
Metzger Removal
Tanks 1 & 2
Unreg 1 & 2
River Rd
Unreg 3, 4, 5, 6
Main St
265
Island St
Google


METZGER
REMOVAL, INC.
PORTABLE CONCRETE & ASPHALT RECYCLING
SAVE $$$ BUYING RECYCLED STONE
2'x2' SIZED CLEAN CONCRETE & ASPHALT ACCEPTED
STONE AVAILABLE 692-1810
1993
1993


1993


1993


SMITH BOYS
SERVICE DEPT
STONE AVAILABLE
1993
3


Nutter Butter
Nutter Butter


GALLONS
Diesel
High Sulfur
1000 GAL. CAPACITY
900 WORKING CAP.
1993
3


Diesel
High Sulfur
1000 GAL. CAPACITY
900 WORKING CAP.
1993
3


Nutter Butter
Nutter Butter
3681


CLEAN BURN
WASTE
OIL
01/02/2019 10:41


FILL PORT
SUPERIOR Lubricants
10 W
BULK TANK LABEL
Super D XA® Diesel Engine Oil With Liquid Titanium® SAE 15W-40
API SERVICE CK-4,CJ-4, CI-4 PLUS
CITGARD™ 500 SAE 10
FILL PORT
SUPERIOR Lubricants
01/02/2019 10:41


FILL PORT
SUPERIOR Lubricants
PRODUCT CODE
BLUE RIBBON
AW 32 HYDRAULIC
BLUE RIBBON
AW 32 HYDRAULIC
01/02/2019 10:41

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7220 | F: (716) 851-7226
www.dec.ny.gov

Notice of Violation

January 8, 2019

Mr. Paul Chmiel
Metzger Removal Inc.
235 River Road
North Tonawanda, New York 14120

Dear Mr. Chmiel:

Petroleum Bulk Storage (PBS) Program
Facility Inspection - 6 NYCRR Part 613
PBS # 9-600970
Insp # 71144
Metzger Removal Inc.
235 River Road
North Tonawanda, New York 14120

On January 2, 2019, I visited the above facility to determine compliance with New York State's Petroleum Bulk Storage regulations. The following violations were identified during that inspection and need immediate attention to bring this facility into compliance. Citations to the applicable regulations are noted in brackets and pertain to the tanks listed. A copy of the inspection checklist is enclosed for your reference.

The law requires that you comply fully with the PBS regulations. You must correct all of violations noted below within the stated time frame and submit required documentation.

Violations

Registration Expired
[613-1.9(c)]

The PBS registration for this facility expired on August 20, 2012. Registration must be renewed every five (5) years from the date of the last valid registration certificate until the Department receives written notice and documentation from the facility owner that the facility has been permanently closed in accordance with these regulations, or that ownership of the facility has been transferred.

- *A pre-printed application, registration fee worksheet, and directions for filling out a Petroleum Bulk Storage (PBS) application have been attached for your convenience.*

Registration Information is not Current
[613-1.9(e)]

The facility owner must submit an information correction to the Department if there is a change to any of the following:

i) Contact information
ii) Class A or Class B Operator
iii) Tank system status
iv) Tank system equipment
v) Type of petroleum stored

Registration Certificate Not Displayed
[613-1.9(g)]

The current registration certificate must be displayed at all times in a conspicuous location at the facility.

- *Once we receive a completed PBS application, we will mail a current registration certificate to the facility.*

Installed Tanks Not Registered
[613-1.9(h)]

The facility owner must notify the Department at least 30 days prior to installing a new tank system. Tanks installed at an already registered facility must be added to the existing registration.

TANK # 1, UNREG1, UNREG2
Color Coding of Fill Ports
[613-4.2(a)(4)]

Every tank system fill port must be color coded in accordance with API RP 1637. If a tank system contains petroleum that does not have a corresponding API color code, the facility must otherwise mark the fill port to identify the petroleum currently stored in the tank system. If an aboveground tank system has a fill port remote from the tank such that the tank cannot be properly identified by sight from the fill port, the facility must also place the marking near the fill port to identify the petroleum currently in the tank system.

TANK # 2
Aboveground Tank Does Not Have Adequate Surface Coating
[613-4.1(b)(1)(ii)]

Every aboveground tank must have a surface coating designed to prevent corrosion and deterioration.

TANK # UNREG1, UNREG2
No Gauge Installed at Aboveground Tank
[613-4.1(b)(3)][613-4.1(c)(2)]

Every aboveground tank must be equipped with a gauge which accurately shows the level of petroleum in the tank. The gauge must be accessible to the carrier and installed so it can be conveniently read. A high level warning alarm, a high level liquid pump cut-off controller or equivalent device may be used in lieu of a gauge.

TANK # 1, 2, UNREG1, UNREG2, UNREG3, UNREG4, UNREG5, UNREG6
Aboveground Tank Not Labeled/Label Incomplete
[613-4.2(a)(3)]

Every aboveground tank must be marked with the tank registration identification number and the working and design capacities.

TANK # 1, 2, UNREG1, UNREG2, UNREG3, UNREG4, UNREG5, UNREG6
Aboveground Tank Not Inspected Monthly
[613-4.3(b)(1)]

Aboveground tank systems must be inspected monthly. The inspection must include identification of leaks, cracks, areas of wear, corrosion and thinning, poor maintenance and operating practices, excessive settlement of structures, separation or swelling of tank insulation, malfunctioning equipment and structural and foundation weaknesses. The inspection must also cover the exterior surfaces of the tank, piping and ancillary equipment, leak detection systems, cathodic protection monitoring equipment and other monitoring or warning systems which may be in place.

TANK # 1, 2
Dike drain valves – Unlocked
[613-4.2(f)]

The secondary containment associated with this tank(s) has a dike drain valve(s) which was left in an open or unlocked position. Storm water which collects within the secondary containment system must be controlled by a manually operated pump/siphon or a gravity drain pipe which has a manually controlled valve on the outside of the dike. If gravity drain pipes are used, all dike valves must be locked in a closed position except when the operator is in the process of draining clean water from the diked area.

TANK # 1, 2
Secondary Containment <10,000 gallons - Equipment Not Maintained
[613-4.2(a)(6); 613-4.1(b)(1)(v)(b); 613-4.1(c)(1)(ii)]

The secondary containment for this tank(s) or the design/technology utilized in lieu of secondary containment is not being properly maintained. The poor condition of the secondary containment or the equipment indicates that discharged petroleum will not be prevented from reaching the land or waters of the State.

Corrective Actions

By **February 11, 2019,** you must submit the following documentation to this office:

1. A completed Petroleum Bulk Storage Application and fee to:
   - Renew the registration for this facility,
   - Register all six (6) unregistered tanks,
   - Update all contact/tank information.

2. A photograph showing that a current registration certificate has been posted at this facility.

3. A photograph showing that the fill port for tank(s) [# 1, UNREG1, and UNREG2] have been properly color coded.

4. Photographs showing that tank [# 2] has been adequately painted to prevent further corrosion.

5. A photograph showing that a gauge has been installed at tank(s) [# UNREG1 and UNREG2].

6. A photograph showing that all tanks have been labeled with the tank identification number and the working and design capacities.

7. Copies of the monthly inspection records for all tanks for the month of January 2019.

8. A photograph showing that the dike drain valve at tank(s) [# 1 and 2] are locked in a closed position.

9. Photographs showing that the secondary containment system at tank(s) [# 1 and 2] have been cleaned of all liquid and debris.

The above documents and photographs may be submitted via email to R9.PBS@dec.ny.gov . The facility PBS number and the title "INSPECTION RESPONSE" must be included on the subject line of any emails submitted to demonstrate compliance. Review of emails sent without this identifying information may be delayed.

As a result of these violations you are subject to enforcement by this Department. Pursuant to Environmental Conservation Law Section 71-1929, you may be liable for a civil penalty of up to $37,500 per day for each of the above noted violations. The violations identified in this letter require immediate attention. Delays in correcting the violations noted above will affect the amount of penalties for which you will be liable. In addition, under Environmental Conservation Law Section 71-1933, a person may be held criminally liable if any of the foregoing violations was the result of intentional, knowing or criminally negligent conduct.

Note that the inspection may not have disclosed all violations that exist at this site. You are responsible for ensuring that the entire facility is in compliance with applicable requirements.

If you have any questions, please contact me at (716) 851-7220 or patrick.diez@dec.ny.gov

Sincerely,

Patrick T. Diez
Environmental Program Specialist T1
Division of Environmental Remediation
NYSDEC Region 9

PTD/slr

Enclosure

New York State Department of Environmental Conservation
Division of Environmental Remediation

Petroleum Bulk Storage Application

Pursuant to the Environmental Conservation Law: Article 17, Title 10; and
Regulations 6 NYCRR Part 613 and 6 NYCRR Subpart 374-2

(Please Type or Print Clearly and Complete All Items for Sections A, B & C)

Return Completed Form & Fees To:
NYSDEC Region 9
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7220

PBS Number: 9-600970

Expiration Date: 08/20/2012

Section A - Facility/Property Owner/Contact Information

Transaction Type: 5

1) Initial/New Facility
2) Change of Ownership
3) Tank Installation, Closing, or Repair
4) Information Correction
5) Renewal

FACILITY

Facility Name: METZGER REMOVAL INC
Facility Address (Physical Address, No P.O. Boxes): 235 RIVER ROAD
Facility Address (cont.):
Tax Map Borough/Section:
Block:
Lot:
City: North Tonawanda
State: NY ZIP: 14120
County: Niagara
Township or City: Cambria
Facility Phone Number: (716) 692-1810
Facility Operator: GARY METZGER

TYPE OF PETROLEUM FACILITY (Check only one)

- [ ] 01=Storage Terminal/Petrol. Distributor
- [ ] 02=Retail Gasoline Sales
- [ ] 03=Other Retail Sales
- [x] 04=Manufacturing
- [ ] 05=Utility
- [ ] 06=Trucking/Transportation/Fleet
- [ ] 07=Apartment/Office Building
- [ ] 08=School
- [ ] 09=Farm
- [ ] 10=Private Residence
- [ ] 11=Airline/Air Taxi/Airport
- [ ] 12=Chemical Distributor
- [ ] 13=Municipality
- [ ] 15=Railroad
- [ ] 25=Auto Service/Repair (No Gasoline
- [ ] 28=Cemetery/Memorial
- [ ] 26=Religious (Church, Synagogue, Mosque, Temple, etc.)
- [ ] 27=Hospital/Nursing Home/Health Care
- [ ] 52=Marina
- [ ] 53=Nuclear Power Plant
- [ ] 99=Other (Specify):

Emergency Contact Name: GARY METZGER
Emergency Telephone Number: (716) 818-4000

NOTE:
Fill in Property Owner information here....>>>
Indicate Tank Owner in Section C.

OWNER

Facility (Property) Owner (from Deed): METZGER REMOVAL INC
Facility Owner Address (Street and/or P.O. Boxes): 235 RIVER ROAD
City: NORTH TONAWANDA
State: NY ZIP Code: 14120
Federal Tax ID Number: 161347577
Owner Telephone Number: (716) 692-1810

Type of Owner (check only one):

- [ ] 1 Private Resident
- [ ] 2 State Government
- [ ] 3 Local Government
- [ ] 4 Federal Government
- [x] 5 Corporate/Commercial/Other

I hereby certify, under penalty of law, that all of the information provided on this form is true and correct. False statements made herein may be punishable as a criminal offense and/or a civil violation in accordance with applicable state and federal law.

Name of Property Owner or Authorized Representative: GARY METZGER
Amount Enclosed: $ 600
Title: PRESIDENT
Signature: [signature]
Date: 1-15-2019

CORRESPONDENCE

(Please keep this information up to date.)
Facility Contact Person Name: GARY METZGER
Contact Person Company Name: METZGER REMOVAL INC
Address: 235 RIVER ROAD
Address (cont.):
City/State/ZIP Code: NORTH TONAWANDA, NY 14120
Tel. Number: (716) 692-1810
eMail Address: Metzger.removal@gmail.com

Official Use Only
Date Received: 1/17/19
Date Processed: 1/18/19
Amount Received: $ 600
Reviewed By: MAS
Rev. 8/2/2017

RECEIVED
JAN 17 2019
NYS DEC
Region 9 - Buffalo

PBS Number:
9-600970

Section B - Tank Information

(Please use the key located on the last page to complete each item/column)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Action	Tank Number	Tank Location	Status	Installation, out-of-service, or Permanent ClosureDate (mm/dd/yyyy) **Application will be returned if blank**	Capacity (Gallons)	Product Stored (If Gasoline w/ethanol or Biodiesel, list % additive) %	Tank Type	Tank Internal Protection	Tank External Protection	Tank Secondary Containment	Tank Leak Detection	Tank Overfill Prevention	Tank Spill Prevention	Pumping/Dispensing Method	Piping Location	Piping Type	Piping External Protection	Piping Secondary Containment	Piping Leak Detection	Under Dispenser Containment (UDC) (Check box if present)
	1	2	1	6/11/2005	500	0008	01	00	01	01	00	00	00	01	00	00	00	00	00	
4	2	2	1	6/11/2005	1,000	0008	01	00	01	01	00	00	00	01	00	00	00	00	00	☒
2	3	3	1	10/1/2015	575	2642	01	00	01	00	00	00	01	04	00	00	00	00	00	X
2	4	3	1	10/1/2015	275	2642	01	00	01	00	00	00	00	00	00	00	00	00	00	
2	5	3	1	7/1/2015	275	0015	01	00	01	00	00	00	01	06	00	00	00	00	00	X
2	6	3	1	7/1/2015	160	0015	01	00	01	00	00	00	01	06	00	00	00	00	00	X
2	7	3	1	7/1/2015	160	0015	01	00	01	00	00	00	01	06	00	00	00	00	00	X
2	8	3	1	7/1/2015	130	0015	01	00	01	00	00	00	01	06	00	00	00	00	00	X

Note: If you need to add tanks to your registration, write them in using blank lines above. Attach additional sheets as needed.
Blank Section B is available at http:/www.dec.ny.gov/docs/remediation_hudson_pdf/pbsrenewal.pdf

PBS Registration Fee Worksheet

A list of regulated petroleum products and the new definition of petroleum are available at http://www.dec.ny.gov/chemical/93458.html.

Please note: Manifold (interconnected) tanks are regulated as single tanks. For example, two 1,000 gallon tanks connected by piping are regulated as a single 2,000 gallon tank.

A) List the total storage capacity of all tanks storing petroleum. A) 3,075

B) List the total storage capacity of tanks less than 1,100 gallons, each storing heating oil (see link to product list above), used for on-premises consumption. B) 850

C) For farms or residences only, list the total storage capacity of tanks less than 1,101 gallons, each used to store motor fuel (see link to product list above) for non-commercial purposes (not for resale). C) _____

D) Subtract Lines B & C from A. A-B-C = D) 2,225

1) List how many Line D tanks (not capacities) are greater than 110 gallons and are underground (tank location code "5"). 1) Ø

2) List how many Line D tanks (not capacities) are greater than 110 gallons and are partially buried with 10% or more volume below ground (tank location "4"). 2) Ø

3) Add Lines 1 and 2. 1 + 2 = 3) Ø

If Line D is 1,101 gallons or greater, then **all tanks** at this site MUST be registered and fees must be based upon the total storage capacity in Line A using the fee schedule below.

If Line D is less than 1,101 gallons but greater than 0 (zero) gallons and Line 3 is greater than 0 (zero), then **all tanks** MUST be registered and the fee must be based upon the total storage capacity in Line A using the fee schedule below.

If Line D is less than 1,101 gallons, and line 3 = 0 (zero), tanks storing used oil or used oil (heating), if any, MUST be registered but NO fee is required. Any other tanks storing petroleum do not require registration.

FEE SCHEDULE:

Total Storage Capacity	5-Year Fee for Facility
0 - 1,100 gallons	$0 - Fee not required.
1,101 - 2,000 gallons	$100 per storage facility
2,001 - 4,999 gallons	$300 per storage facility
5,000 - 399,999 gallons	$500 per storage facility
400,000 gallons and greater	Registration not required but license is required under the Major Oil Storage Facilities Program (MOSF).

Back Fees: If an owner's registration is more than one cycle overdue (five years since expiration or since a new owner took title to the property), the owner will also owe the "back fee" for the missed registration cycle(s) covering the fee that would have been due had the application been submitted timely.

Penalties: If an application is submitted late, and there is no existing enforcement case with the DEC (i.e., you have not received a letter from DEC initiating an enforcement action), the owner can elect to resolve the violation by submitting a check providing as a penalty $50 for every month or part of a month the application is overdue, up to a maximum of $3,000. If you have received a letter from DEC's Office of General Counsel initiating an enforcement action for an overdue registration violation, and you agree or have agreed to settle by signing a consent order, the penalty amount will be as specified in the consent order. The total amount due with the registration application is the total of the registration fee, any back fees, and any penalties. If there is no existing enforcement case, this is all paid in one check. If there is an existing enforcement case, a separate check for the settlement amount (penalty) is required.

NEW YORK STATE

PBS Number
9-600970

New York State Department of Environmental Conservation
PETROLEUM BULK STORAGE CERTIFICATE

625 Broadway, 11th Floor, Albany, NY 12233-7020 Phone: 518-402-9553

Region 9 NYSDEC - PBS Unit
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7220

TANK NUMBER	TANK SUBPART	TANK CATEGORY	TANK LOCATION	DATE INSTALLED	TANK TYPE	PRODUCT STORED	CAPACITY (GALLONS)	
1	4	2	Aboveground - in contact with impervious barrier	06/11/2005	Steel/Carbon Steel/Iron	diesel	500	*
2	4	2	Aboveground - in contact with impervious barrier	06/11/2005	Steel/Carbon Steel/Iron	diesel	1,000	*
3	4	2	Aboveground on saddles, legs, stilts, rack or cradle	10/01/2015	Steel/Carbon Steel/Iron	used oil (heating, on-sit consumption)	575	*
4	4	2	Aboveground on saddles, legs, stilts, rack or cradle	10/01/2015	Steel/Carbon Steel/Iron	used oil (heating, on-sit consumption)	275	*
5	4	2	Aboveground on saddles, legs, stilts, rack or cradle	07/01/2015	Steel/Carbon Steel/Iron	motor oil	275	*
6	4	2	Aboveground on saddles, legs, stilts, rack or cradle	07/01/2015	Steel/Carbon Steel/Iron	motor oil	160	*

FACILITY NAME AND ADDRESS :
METZGER REMOVAL INC
235 RIVER ROAD
North Tonawanda, NY 14120

FACILITY (PROPERTY) OWNER:
METZGER REMOVAL INC
235 RIVER ROAD
NORTH TONAWANDA, NY 14120

Facility Operator: GARY METZGER

Emergency Contact Name: GARY METZGER
Emergency Contact Phone Number: (716) 818-4000

Facility Phone Number
(716) 692-1810

MAILING CORRESPONDENCE:
GARY METZGER
METZGER REMOVAL INC
235 RIVER ROAD
NORTH TONAWANDA, NY 14120

ISSUED BY: Commissioner
Basil Seggos
PBS NUMBER: **9-600970**
DATE ISSUED: 01/18/2019
EXPIRATION DATE: 08/20/2022
FEE PAID: $600.00

As the owner of this facility and/or the tanks at this facility, the receipt, posting, and use of this certificate is an acknowledgement that I am responsible to the extent required by law for ensuring that this facility is in compliance with all regulations for the bulk storage of petroleum including those regarding equipment requirements, inspections, handling procedures, recordkeeping, registration requirements, providing advanced notice to the Department of major changes to a tank system, spill reporting, and all other applicable requirements. Violations may be punishable as a criminal offense and/or a civil violation in accordance with applicable state and federal law.

This registration certificate must be kept current and conspicuously posted at this facility 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.

Spills must be reported to the DEC within two hours (1-800-457-7362).

Paul C 2/4/2019
Signature of Facility Owner/Authorized Representative Date

Paul Chmiel - Office Manager
Printed Name and Title of Facility Owner/Authorized Representative

Print Date: 2/4/2019

THIS REGISTRATION CERTIFICATE IS NON-TRANSFERABLE

NEW YORK STATE

PBS Number
9-600970

New York State Department of Environmental Conservation
PETROLEUM BULK STORAGE CERTIFICATE
625 Broadway, 11th Floor, Albany, NY 12233-7020 Phone: 518-402-9553

Region 9 NYSDEC - PBS Unit
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7220

TANK NUMBER	TANK SUBPART	TANK CATEGORY	TANK LOCATION	DATE INSTALLED	TANK TYPE	PRODUCT STORED	CAPACITY (GALLONS)	
7	4	2	Aboveground on saddles, legs, stilts, rack or cradle	07/01/2015	Steel/Carbon Steel/Iron	motor oil	160	*
8	4	2	Aboveground on saddles, legs, stilts, rack or cradle	07/01/2015	Steel/Carbon Steel/Iron	motor oil	130	*

*** Tank requires monthly visual inspections and may need documented internal inspections as described in 6NYCRR Section 613-4.3.**

PBS regulations are available at http://www.dec.ny.gov/docs/remediation_hudson_pdf/part613text.pdf .

FACILITY NAME AND ADDRESS :
METZGER REMOVAL INC
235 RIVER ROAD
North Tonawanda, NY 14120

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235 RIVER ROAD
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(716) 692-1810

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235 RIVER ROAD
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Paul C 2/4/2019
Signature of Facility Owner/Authorized Representative Date

Paul Chmiel Office Manager
Printed Name and Title of Facility Owner/Authorized Representative

Print Date: 2/4/2019

THIS REGISTRATION CERTIFICATE IS NON-TRANSFERABLE


TANK
1
Design Capacity 500 Gal
Working Capacity 450 Gal
DIESEL
EMPRO PRODUCTS
ED-API-4
93


WAS
OIL
TANK
3
Design Capacity 575 Gal
Working Capacity 525 Gal
WASTE OIL
EMPRO PRODUCTS
ED-API-8


OVERFILL ALERT
KRUE
WASTE OIL
EMPRO PRODUCTS
ED-API-8
Design Capacity 275 Gal
Working Capacity 250 Gal
TANK
4


GAUGE TYPE OF
OVERFILL ALERT


OVERFILL ALERT
KRUE
WASTE OIL
EMPRO PRODUCTS
ED-API-8
Design Capacity 275 Gal
Working Capacity 250 Gal
TANK
4


TANK
1
Design Capacity 500 Gal
Working Capacity 450 Gal
DIESEL
EMPRO PRODUCTS
ED-API-4
93


Di
High
1000 GAL.
900 WORK
TANK
2
199
FLAMMABLE
3


WAS
OIL
TANK
3
Design Capacity 575 Gal
Working Capacity 525 Gal
WASTE OIL
EMPRO PRODUCTS
ED-API-8


OVERFILL ALERT
KRUE
WASTE OIL
EMPRO PRODUCTS
ED-API-8
Design Capacity 275 Gal
Working Capacity 250 Gal
TANK
4


FILL PORT
TO PLACE AN ORDER CALL:
(800) 638-1887
SUPERIOR Lubricants
DESIGN CAPACITY 275 gal
WORKING CAPACITY 250 gal
KEEP FULL TANK
NON-KEEP FULL TANK
PRODUCT CODE
MOTOR OIL
TRANSMISSION OIL
HYDRAULIC OIL
ANTIFREEZE
USED OIL
TANK 5
CITGARD™ 500
Kendall
BULK TANK LABEL
Super-D XA® Diesel Engine Oil With Liquid Titanium® SAE 15W-40
API SERVICE CK-4,CJ-4, CI-4 PLUS
Kendall
BULK TANK LABEL
Super-D XA® Diesel Engine Oil With Liquid Titanium® SAE 15W-40
API SERVICE CK-4,CJ-4, CI-4 PLUS
TANK 6


BLUE RIBBON
QUALITY LUBRICANTS SINCE 1974
AW 32 HYDRAULIC
SAE 10W
PREMIUM ANTI-WEAR (AW) HYDRAULIC OIL
ISO VG 32
Premium quality antiwear hydraulic oil. Formulated to satisfy the requirements of most types of hydraulic equipment including: Denison, Vickers and Rexnord. Meets Cincinnati Milacron specifications.
Severely solvent refined heavy paraffinic petroleum oil, CAS #64741-88-4; severely solvent refined residuum, CAS #64742-01-4; less than 1% of each: zinc dialkyldithiophosphate, CAS #68649-42-3; acrylic copolymer, CAS #68171-46-0; butylated phenol, CAS #128-39-2; calcium alkylphenate, CAS #68784-26-9; calcium sulfonate, CAS #61789-86-4; hydrotreated heavy paraffinic petroleum oil, CAS #64742-54-7.
DON'T POLLUTE · CONSERVE RESOURCES · RETURN USED OIL TO COLLECTION CENTERS
Deckman Oil Co., Inc. Honeoye Falls, New York 14472 (800) 836-0562
BLUE RIBBON
AW 32 HYDRAULIC
SAE 10W
TANK
7


TANK
8
Design Capacity 130 Gal
Working Capacity 120 Gal

Aboveground Storage Tank Monthly Inspection

Month/Year January 2019

Inspector Paul Chniel

PBS # 9-600970

Item	#1	#2	#3	#4	#5	Comments
Any visible leaks from tank, piping, or dispenser?	N	N	N	N	N	
Any discoloration, corrosion, cracking, or bulging?	N	Y	N	N	N	Tank to be painted when weather breaks.
Tank labels are legible?	Y	Y	Y	Y	Y	
Gauge or high level alarm functions properly?	Y	Y	Y	Y	Y	
Dike drain valve is locked closed?	Y	Y	N/A	N/A	N/A	
Fill port is color coded?	Y	Y	Y	Y	N/A	

Y=yes **N=no** **X= not applicable**

6 NYCRR Part 613.6 requires that all aboveground storage tanks be visually inspected at least monthly and records maintained.

Maintain this record for at least 10 years

Aboveground Storage Tank Monthly Inspection

Month/Year January 2019

Inspector Paul Chmiel

PBS # 9-600970

Item	#6 ~~#1~~	#7 ~~#2~~	#8 ~~#3~~	#4	#5	Comments
Any visible leaks from tank, piping, or dispenser?	N	N	N			
Any discoloration, corrosion, cracking, or bulging?	N	N	N			
Tank labels are legible?	Y	Y	Y			
Gauge or high level alarm functions properly?	Y	Y	Y			
Dike drain valve is locked closed?	N/A	N/A	N/A			
Fill port is color coded?	N/A	N/A	N/A			

Y=yes N=no X= not applicable

6 NYCRR Part 613.6 requires that all aboveground storage tanks be visually inspected at least monthly and records maintained.

Maintain this record for at least 10 years


TANK
2
1993
3

ANNUAL REPORT

This Construction & Demolition Debris Processing Facility Annual Report is for the year of operation from

January 01, 2011 to December 31, 2011

SECTION 1 – OWNER / FACILITY INFORMATION

FACILITY NAME: METZGER REMOVAL #1			
FACILITY ADDRESS: 235 RIVER ROAD	**FACILITY CITY:** NORTH TONAWANDA	**STATE:** NY	**ZIP CODE:** 14120
FACILITY TOWN: NIAGARA	**FACILITY COUNTY:** NIAGARA	**FACILITY PHONE NUMBER:** 716 692 1810	
FACILITY NYS PLANNING UNIT: (A list of NYS Planning Units can be found at the end of this report). NIAGARA COUNTY		**NYSDEC REGION #:** 9	
360 PERMIT #: 9-9909-00090-00007	**DATE ISSUED:** 6/3/2004	**DATE EXPIRES:** none	**NYS DEC ACTIVITY CODE OR REGISTRATION NUMBER:** 32W03
FACILITY CONTACT: GARY METZGER	**CONTACT PHONE NUMBER:** 716 692 1810	**CONTACT FAX NUMBER:** 716 692 0728	
CONTACT EMAIL ADDRESS: metzgercrushing@aol.com			
OWNER NAME: METZGER REMOVAL INC	**OWNER PHONE NUMBER:** 716 692 1810	**OWNER FAX NUMBER:** 716 692 0728	
OWNER ADDRESS: 235 RIVER RD	**OWNER CITY:** NORTH TONAWANDA	**STATE:** NY	**ZIP CODE:** 14120

SECTION 2 - QUANTITY OF MATERIAL RECEIVED

A. Quantity Received by Month/Year

Provide the tonnages of solid waste received. This includes all wastes received at your facility regardless of their destination after processing.
DO NOT REPORT IN CUBIC YARDS!

Specify the methods used to measure the quantities received and the percentages measured by each method:

_____% Scale Weight _____% Estimated

_____% Truck Count _____% Other (Specify: _____)

Type of Solid Waste	January (tons)	February (tons)	March (tons)	April (tons)	May (tons)	June (tons)	July (tons)
Aggregate & Concrete							
Asphalt							
Brick							
Brush/Branches/Trees/ Stumps							
Bulk Metal							
Concrete							
Construction & Demolition Debris (mixed)							
Drywall							
Mixed Fill							
Other Masonry Materials							
Paper/Cardboard							
Rock							
Roofing Shingles							
Soil (Clean)							
Wood Chips							
Wood (Clean)							
Other (specify)							
Total Tons Received	0	0	0	0	0	0	0

SECTION 2 - QUANTITY OF MATERIAL RECEIVED (CONTINUED)

A. Quantity Received by Month/Year

Type of Solid Waste	Tip Fee ($)	August (tons)	September (tons)	October (tons)	November (tons)	December (tons)	Total Year (tons)	Daily Avg. (tons)
Aggregate & Concrete								
Asphalt								
Brick								
Brush/Branches/Trees/ Stumps								
Bulk Metal								
Concrete								
Construction & Demolition Debris (mixed)								
Drywall								
Mixed Fill								
Other Masonry Materials								
Paper/Cardboard								
Rock								
Roofing Shingles								
Soil (Clean)								
Wood Chips								
Wood (Clean)								
Other (specify)								
Total Tons Received		0	0	0	0	0	0	0

B. Quantity Received by Facility's Service Area

Identify the facility's service area by indicating the type of solid waste received, the Solid Waste Management facility (SWMF) from which it was received (or Direct Haul), the the corresponding State/Country, the County/Province, and the NYS Planning Unit from which waste was received. **Refer to the list of NYS Planning Units that can be found at the end of this report.** Note: "Direct Haul" means waste hauled directly to your SWMF which did not go through another SWMF. The total amount reported here should equal the total amount reported in Section 2A (Quantity Received by Month/Year). DO NOT REPORT IN CUBIC YARDS!

Specify transport method and percentages of total waste transported by each:

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

Please report the facility from which you received the solid waste. Note: This is not the facility identified in Section 1.

B. SERVICE AREA					
TYPE OF SOLID WASTE	**SOLID WASTE MANAGEMENT FACILITY FROM WHICH IT WAS RECEIVED (Name & Address)**	**SERVICE AREA STATE OR COUNTRY**	**SERVICE AREA COUNTY OR PROVINCE**	**SERVICE AREA NYS PLANNING UNIT**	**TONS RECEIVED**
Aggregate & Concrete	*(Example 1) (Jamaica Recycling, Jamaica)*	*(NY)*	*(Queens)*	*(NYC)*	*(12,000)*
	(Example 2) (Direct Haul)	*(NY)*	*(Suffolk)*	*(Brookhaven)*	*(1,500)*
	(Example 3) (IESI Casanova Street, Bronx)	*(NY)*	*(Bronx)*	*(NYC)*	*(11,000)*
Asphalt					
Brick					
Brush/Branches/Trees/ Stumps					

B SERVICE AREA					
TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY FROM WHICH IT WAS RECEIVED (Name & Address)	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT	TONS RECEIVED
Bulk Metal					
Concrete					
Construction & Demolition (C&D) Debris (mixed)					
Drywall					
Mixed Fill					
Other Masonry Materials					
Paper/Cardboard					

TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY FROM WHICH IT WAS RECEIVED (Name & Address)	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT	TONS RECEIVED
Rock					
Roofing Shingles					
Soil (Clean)					
Wood Chips					
Wood (Clean)					
Other (specify)					
				TOTAL RECEIVED (tons)	0

SECTION 3 - TRANSFER OR DISPOSAL DESTINATION

Identify the transfer or disposal destination of waste removed by indicating the name of the transfer or disposal facility to which waste was sent from your facility, the type of solid waste transferred from your facility, the corresponding State/Country, the County/Province, the NYS Planning Unit of transfer or disposal destination facility, and the amount transferred or disposed or used as alternative daily cover (ADC) at each destination. Includes only waste sent off-site for disposal or further transfer prior to disposal, not recovered for reuse or recycling. Exclude Materials Recovered amounts reported in Section 4. **Refer to the list of NYS Planning Units that can be found at the end of this report.** DO NOT REPORT IN CUBIC YARDS!

Please report the facility to which you send the solid waste. Note: This is not the facility identified in Section 1.

Transport (specify percentages):

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

_____

DISPOSAL DESTINATION = TRANSFER FOR DISPOSAL DESTINATION

TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY TO WHICH IT WAS SENT (Name & Address)	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT	AMOUNT TO TRANSFER DESTINATION (TONS)	AMOUNT TO DISPOSAL DESTINATION (TONS)	AMOUNT USED AS ADC (TONS)	TOTAL YEAR (TONS)
Construction & Demolition Debris (mixed)	*(Example 1) (110 Sand & Gravel LF, Melville)*	*(NY)*	*(suffolk)*	*Huntington (Town)*		*(7,000)*		*(7,000)*
	(Example 2) (Vanbro Corp, Staten Island)	*(NY)*	*(Richmond)*	*(NYC)*	*(4,000)*			*(4,000)*
	(Example 3) (High Acres Landfill, Fairport)	*(NY)*	*(Monroe)*	*(Monroe County)*		*(5,000)*	*(3,000)*	*(8,000)*
Residue								
Other (specify)								
							TOTAL SENT (tons)	0

SECTION 4 - MATERIAL RECOVERED FOR REUSE/RECYCLING

Provide the tonnages of solid waste recovered for reuse or recycling. Identify the location or solid waste management facility to which the recovered material was sent from your facility, by indicating the name of the facility, the type of solid waste recovered, the corresponding State/Country, the County/Province, the NYS Planning Unit, and the amount recovered. **Refer to the list of NYS Planning Units that can be found at the end of this report.** DO NOT REPORT IN CUBIC YARDS!

Please report the facility to which you sent the recovered material. Note: This is not the facility identified in Section 1.

Transport (specify percentages):

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas are in these transport methods_____

_____

MATERIAL RECOVERED FOR REUSE/RECYCLING					
MATERIAL RECOVERED	SOLID WASTE MANAGEMENT FACILITY TO WHICH RECOVERED MATERIAL IS SENT (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT	TONS RECOVERED (out of facility)
Aggregate & Concrete					
Asphalt					
Brick					
Brush/Branches/Trees/Stumps					
Bulk Metal					
Concrete					

MATERIAL RECOVERED FOR REUSE/RECYCLING					
Drywall					
Glass					
Mixed Fill					
Other Masonry Materials					
Paper/Cardboard					
Plastic					
Rock					
Roofing Shingles					
Soil (Clean)					
Wood Chips					
Wood (Clean)					
Other (specify)					
				TOTAL RECOVERED (tons):	

SECTION 5 - UNAUTHORIZED SOLID WASTE

Has unauthorized solid waste been received at the construction and demolition debris facility during the reporting period?
__ Yes X No

If yes, give information below for each incident:

Date Received	Type Received	Date Disposed	Disposal Method & Location

SECTION 6 - COST ESTIMATES AND FINANCIAL ASSURANCE DOCUMENTS

Submit (attached to this form) any required cost estimates and financial assurance documents for closure reflecting adjustments for inflation and any changes to the Closure Plan, to indicate updated dollars for the year of operation for which the Annual Report is made. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 7 - PROBLEMS

Identify any problems encountered during the reporting period (e.g. specific occurrences which have led to changes in facility procedures) and methods for resolution of the problems. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 8 - CHANGES

Identify any changes in the operation that have occurred during the reporting period (e.g. equipment, service area, and operational procedure changes). List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 9 - PERMIT/CONSENT ORDER/REGISTRATION REPORTING REQUIREMENTS

Are there any additional permit/consent order/registration reporting requirements not covered by the previous sections of this form? ____Yes __X__No

If yes, identify the reporting requirements with their respective responses below, attaching additional sheets as necessary. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

Other (Specify: _____) _____$/ton

SECTION 10 - SIGNATURE AND DATE BY OWNER OR OPERATOR

Owner or Operator must sign, date and submit one completed form with an original signature to the appropriate Regional Office (See attachment for Regional Office addresses and Solid Waste Contacts.)

The Owner or Operator must also submit one copy by email, fax or mail to:

New York State Department of Environmental Conservation
Division of Materials Management
Bureau of Permitting and Planning
625 Broadway
Albany, New York 12233-7260
Fax 518-402-9041
Email address: swpermit@gw.dec.state.ny.us

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority to sign this report form pursuant to 6 NYCRR Part 360. 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.

Signature: _____ Date: 3/26/12

Name (Print or Type): GARY METZGER Title (Print or Type): PRESIDENT

Email (Print or Type): metzgercrushing@aol.com

Address: 235 RIVER RD City: NORTH TONAWANDA

State and Zip: NEW YORK 14120 Phone Number: (716) 692-1810

ATTACHMENTS: ____ YES X NO
(Please check appropriate line)

47-21-3 (scc-11/02)

New York State Department of Environmental Conservation - Division of Solid & Hazardous Materials
6 NYCRR PART 360-16 INSPECTION REPORT
CONSTRUCTION AND DEMOLITION DEBRIS PROCESSING FACILITY

FACILITY NAME	FACILITY NO.	DATE	TIME	REGULATORY STATUS
Metzger Removal	32W03	10/6/10	12:10pm	Permitted ☐ Registered ☒ Under Order ☐ Exempt ☐
FACILITY LOCATION	REGION	WEATHER CONDITIONS		
235 River Rd North Tonawanda, NY	9	59°F Cloudy		

***For Registered Facilities, inspect only for the items printed in red.**

Violations of Part 360 are subject to applicable civil, administrative and criminal sanctions set forth in ECL Article 71.

Items marked NI indicate "no inspection" and do not mean that no violation has occured.

C	NI	V		
			FACILITY MANAGEMENT	
☒	☐	☐	1. Facility is authorized and solid waste management occurs within approved area. 360-1.7(a), 360-1.8(h)(1),(5), 360-16.1	
☒	☐	☐	2. Facility accepts only those solid waste materials authorized for management at the facility. 360 1.14(e),(r), 360-16.1(a),(d), 360-16.3(h)(4), 360 16.4(b)	
☐	☒	☐	3. Facility components are maintained and operated in accordance with authorization. 360-1.14(f), 360-16.4(a)	
☐	☒	☐	4. O&M Manual is maintained and available for reference and inspection. 360-16.4(a)	
☒	☐	☐	5. Operational records are available where required. 360-1.4(c), 360-1.8(h)(8), 360-1.14(e)(2),(i), 360-16.4(b)(2),(i),(l)	
			OPERATION CONTROL	
☒	☐	☐	6. Solid waste is sufficiently confined or controlled. 360-1.14(j), 360-16.3(h)(4), 360-16.4(b)(5)	
☒	☐	☐	7. Dust is effectively controlled. 360-1.14(k), 360-16.3(g)(5), 360-16.3(h)(5), 360-16.4(b)(5)	
☒	☐	☐	8. Vectors and vector breeding areas are effectively prevented/controlled. 360-1.14(l), 360-16.3(h)(5), 360-16.4(b)(5)	
☒	☐	☐	9. Odors are effectively controlled. 360-1.14(m), 360-16.3(h)(5), 360-16.4(b)(5)	
☐	☒	☐	10. Adequate shelter for mobile equipment for routine maintenance and repair is provided. 360-1.14(o)	
☒	☐	☐	11. Noise levels are controlled to prevent transmission of sound levels above the allowable levels off-site. 360-1.14(p), 360-16.3(h)(5), 360-16.4(b)(5)	
☐	☒	☐	12. Open burning occurs only in accordance with a Department issued burning permit. 360-1.14(q)	
☐	☒	☐	13. Facility has adequately heated and lighted shelters, safe drinking water supply, sanitary toilet facilities and radio or telephone communications. 360-1.14(t)	
☐	☒	☐	14. Facility operator has a copy of all applicable permits, conditions, contingency plan, operations and maintenance report and the most recent annual report. 360-1.14(u)(1)	
☐	☒	☐	15. An air monitoring program is implemented to monitor dust, odors or other air pollutants at and emanating from the facility, where required by the Department. 360-16.4(b)(5)(iv)	
			WATER	
☒	☐	☐	16. Solid waste is prevented from entering surface waters and/or groundwaters. 360-1.14(b)(1)	
☒	☐	☐	17. Leachate is minimized and discharge to waters is presented/controlled. 360-1.14(b)(2), 360-16.3(f)(2), 360-16.4(g)	
			ACCESS	
☒	☐	☐	18. Access to the facility is adequately controlled. 360-1.14(d), 360-16.4(h)	
☐	☒	☐	19. On-site roads are passable. 360-1.14(n), 360-16.3(g)(4)	
☐	☒	☐	20. Attendant is present during all operational hours to control access and receive solid waste, where permanent operating equipment exists. 360-1.14(c)	
			WASTE HANDLING	
☒	☐	☐	21. Incoming waste is inspected before acceptance and the C&D debris accepted is weighed or measured before unloading. 360-16.4(b)(2)	
☒	☐	☐	22. Proper separation of materials and adequate supervision is provided to ensure that waste wood is unadulterated and not contaminated if it is to be pulverized or processed separately from other C&D. 360-16.4(c)(3)	
☒	☐	☐	23. Adequate storage for incoming C&D debris is available. 360-16.4(f)(1)	
☒	☐	☐	24. Unauthorized solid waste material received at the facility is removed within 24 hrs. 360-16.4(f)(1)	
☒	☐	☐	25. Processed and unprocessed C&D debris is not stored uncovered at the facility for a period exceeding 30 days. 360-16.4(f)(2)*	
☒	☐	☐	26. Processed and unprocessed C&D debris is not stored in enclosed or covered storage for a period exceeding 90 days. 360-16.4(f)(2)*	
☒	☐	☐	27. Processed and unprocessed C&D debris storage piles do not exceed 20 feet in height and the area at the base of the pile does not exceed 5,000 square feet. 360-16.4(f)(3)	
☒	☐	☐	28. C&D debris storage piles are not located in excavations or below normal grade. 360-16.4(f)(3), 360-16.4(f)(5)	
☒	☐	☐	29. A minimum separation distance of 25 feet is maintained between C&D debris storage piles and a minimum separation distance of 50 feet is maintained between C&D debris storage piles and property boundaries. 360-16.4(f)(3)	
☒	☐	☐	30. Recyclables recovered from the C&D debris are not stored at the facility for a period exceeding 60 calendar days. 360-16.4(f)(4)	
☒	☐	☐	31. Screenings which meet all the requirements for an alternative daily cover material and screenings which received an approval of a petition for a beneficial use determination are not stored uncovered at the facility for a period exceeding 15 calendar days. 360-16.4(d)(1), 360-16.4(f)(6)	
			OTHER	
☒	☐	☐	32. Telephone numbers to emergency response agencies are conspicuously posted in all areas at facility where telephones are available. 360-1.14(s)	
☐	☒	☐	33. All C&D debris storage, processing, handling and tipping areas include appropriate functioning fire detection and/or protection equipment. 360-16.4(b)(4)	

* except the storage of recognizable uncontaminated concrete and other masonary waste, asphalt pavement, brick, soil or rock that has not been in contact with a spill from a petroleum product, hazardous waste or industrial waste and that is not commingled with any other solid waste. 360-16.4(f)(5)

Nancy Loster / Env. Eng. Tech III
Name of Inspector/Title (Please Print)

Nancy J Loster
Signature

Gary Metzger / President
Name of Facility Representative/Title (Please Print)

Signature not obtained
Signature

Continuation sheet(s) attached?: ☐ Yes ☒ No
If Yes, Indicate the number of continuation sheets attached _____

47-21-3 (scc-11/02)

New York State Department of Environmental Conservation - Division of Solid & Hazardous Materials
6 NYCRR PART 360-16 INSPECTION REPORT
CONSTRUCTION AND DEMOLITION DEBRIS PROCESSING FACILITY

FACILITY NAME	FACILITY NO.	DATE	TIME	REGULATORY STATUS
Metzger Removal	32W03	11/1/11	1:25 PM	Permitted ☐ Registered ☒ Under Order ☐ Exempt ☐
FACILITY LOCATION	REGION	WEATHER CONDITIONS		
235 River Rd North Tonawanda, NY	9	52°F SUNNY		

***For Registered Facilities, inspect only for the items printed in red.**
Violations of Part 360 are subject to applicable civil, administrative and criminal sanctions set forth in ECL Article 71.
Items marked NI indicate "no inspection" and do not mean that no violation has occured.

FACILITY MANAGEMENT

C	NI	V		
☒	☐	☐	1.	Facility is authorized and solid waste management occurs within approved area. 360-1.7(a), 360-1.8(h)(1),(5), 360-16.1
☒	☐	☐	2.	Facility accepts only those solid waste materials authorized for management at the facility. 360 1.14(e),(r), 360-16.1(a),(d), 360-16.3(h)(4), 360 16.4(b)
☐	☐	☐	3.	**Facility components are maintained and operated in accordance with authorization. 360-1.14(f), 360-16.4(a)**
☐	☐	☐	4.	**O&M Manual is maintained and available for reference and inspection. 360-16.4(a)**
☒	☐	☐	5.	Operational records are available where required. 360-1.4(c), 360-1.8(h)(8), 360-1.14(e)(2),(i), 360-16.4(b)(2),(i),(l)

OPERATION CONTROL

☒	☐	☐	6.	Solid waste is sufficiently confined or controlled. 360-1.14(j), 360-16.3(h)(4), 360-16.4(b)(5)
☒	☐	☐	7.	Dust is effectively controlled. 360-1.14(k), 360-16.3(g)(5), 360-16.3(h)(5), 360-16.4(b)(5)
☒	☐	☐	8.	Vectors and vector breeding areas are effectively prevented/controlled. 360-1.14(l), 360-16.3(h)(5), 360-16.4(b)(5)
☒	☐	☐	9.	Odors are effectively controlled. 360-1.14(m), 360-16.3(h)(5), 360-16.4(b)(5)
☐	☐	☐	10.	**Adequate shelter for mobile equipment for routine maintenance and repair is provided. 360-1.14(o)**
☒	☐	☐	11.	Noise levels are controlled to prevent transmission of sound levels above the allowable levels off-site. 360-1.14(p), 360-16.3(h)(5), 360-16.4(b)(5)
☐	☐	☐	12.	**Open burning occurs only in accordance with a Department issued burning permit. 360-1.14(q)**
☐	☐	☐	13.	**Facility has adequately heated and lighted shelters, safe drinking water supply, sanitary toilet facilities and radio or telephone communications. 360-1.14(t)**
☐	☐	☐	14.	**Facility operator has a copy of all applicable permits, conditions, contingency plan, operations and maintenance report and the most recent annual report. 360-1.14(u)(1)**
☐	☐	☐	15.	**An air monitoring program is implemented to monitor dust, odors or other air pollutants at and emanating from the facility, where required by the Department. 360-16.4(b)(5)(iv)**

WATER

☒	☐	☐	16.	Solid waste is prevented from entering surface waters and/or groundwaters. 360-1.14(b)(1)
☒	☐	☐	17.	Leachate is minimized and discharge to waters is presented/controlled. 360-1.14(b)(2), 360-16.3(f)(2), 360-16.4(g)

ACCESS

☒	☐	☐	18.	Access to the facility is adequately controlled. 360-1.14(d), 360-16.4(h)
☐	☐	☐	19.	**On-site roads are passable. 360-1.14(n), 360-16.3(g)(4)**
☐	☐	☐	20.	**Attendant is present during all operational hours to control access and receive solid waste, where permanent operating equipment exists. 360-1.14(c)**

WASTE HANDLING

☒	☐	☐	21.	Incoming waste is inspected before acceptance and the C&D debris accepted is weighed or measured before unloading. 360-16.4(b)(2)
☒	☐	☐	22.	Proper separation of materials and adequate supervision is provided to ensure that waste wood is unadulterated and not contaminated if it is to be pulverized or processed separately from other C&D. 360-16.4(c)(3)
☒	☐	☐	23.	Adequate storage for incoming C&D debris is available. 360-16.4(f)(1)
☒	☐	☐	24.	Unauthorized solid waste material received at the facility is removed within 24 hrs. 360-16.4(f)(1)
☒	☐	☐	25.	Processed and unprocessed C&D debris is not stored uncovered at the facility for a period exceeding 30 days. 360-16.4(f)(2)*
☒	☐	☐	26.	Processed and unprocessed C&D debris is not stored in enclosed or covered storage for a period exceeding 90 days. 360-16.4(f)(2)*
☒	☐	☐	27.	Processed and unprocessed C&D debris storage piles do not exceed 20 feet in height and the area at the base of the pile does not exceed 5,000 square feet. 360-16.4(f)(3)
☒	☐	☐	28.	C&D debris storage piles are not located in excavations or below normal grade. 360-16.4(f)(3), 360-16.4(f)(5)
☒	☐	☐	29.	A minimum separation distance of 25 feet is maintained between C&D debris storage piles and a minimum separation distance of 50 feet is maintained between C&D debris storage piles and property boundaries. 360-16.4(f)(3)
☒	☐	☐	30.	Recyclables recovered from the C&D debris are not stored at the facility for a period exceeding 60 calendar days. 360-16.4(f)(4)
☒	☐	☐	31.	Screenings which meet all the requirements for an alternative daily cover material and screenings which received an approval of a petition for a beneficial use determination are not stored uncovered at the facility for a period exceeding 15 calendar days. 360-16.4(d)(1), 360-16.4(f)(6)

OTHER

☒	☐	☐	32.	Telephone numbers to emergency response agencies are conspicuously posted in all areas at facility where telephones are available. 360-1.14(s)
☐	☐	☐	33.	**All C&D debris storage, processing, handling and tipping areas include appropriate functioning fire detection and/or protection equipment. 360-16.4(b)(4)**

* except the storage of recognizable uncontaminated concrete and other masonary waste, asphalt pavement, brick, soil or rock that has not been in contact with a spill from a petroleum product, hazardous waste or industrial waste and that is not commingled with any other solid waste. 360-16.4(f)(5)

Nancy Loster/Env Eng. Tech III
Name of Inspector/Title (Please Print)

Nancy J Loster
Signature

Gary Metzger
Name of Facility Representative/Title (Please Print)

Signature not obtained
Signature

Continuation sheet(s) attached?: ☐ Yes ☒ No
If Yes, Indicate the number of continuation sheets attached _____

47-21-3 (scc-11/02)

New York State Department of Environmental Conservation - Division of Solid & Hazardous Materials
6 NYCRR PART 360-16 INSPECTION REPORT
CONSTRUCTION AND DEMOLITION DEBRIS PROCESSING FACILITY

FACILITY NAME	FACILITY NO.	DATE	TIME	REGULATORY STATUS
Metzger Removal	32W03	11/21/13	1:15 PM	Permitted ☐ Registered ☒ Under Order ☐ Exempt ☐
FACILITY LOCATION	REGION	WEATHER CONDITIONS		
235 River Rd North Tonawanda, NY	9	40°F overcast		

***For Registered Facilities, inspect only for the items printed in red.**
Violations of Part 360 are subject to applicable civil, administrative and criminal sanctions set forth in ECL Article 71.
Items marked NI indicate "no inspection" and do not mean that no violation has occured.

FACILITY MANAGEMENT

☐ ☐ ☐ 1. Facility is authorized and solid waste management occurs within approved area. 360-1.7(a), 360-1.8(h)(1),(5), 360-16.1
☐ ☐ ☐ 2. Facility accepts only those solid waste materials authorized for management at the facility. 360 1.14(e),(r), 360-16.1(a),(d), 360-16.3(h)(4), 360 16.4(b)
☐ ☐ ☐ **3. Facility components are maintained and operated in accordance with authorization. 360-1.14(f), 360-16.4(a)**
☐ ☐ ☐ **4. O&M Manual is maintained and available for reference and inspection. 360-16.4(a)**
☐ ☐ ☐ 5. Operational records are available where required. 360-1.4(c), 360-1.8(h)(8), 360-1.14(e)(2),(i), 360-16.4(b)(7),(i),(l)

OPERATION CONTROL

☐ ☐ ☐ 6. Solid waste is sufficiently confined or controlled. 360-1.14(j), 360-16.3(h)(4), 360-16.4(b)(5)
☐ ☐ ☐ 7. Dust is effectively controlled. 360-1.14(k), 360-16.3(g)(5), 360-16.3(h)(5), 360-16.4(b)(5)
☐ ☐ ☐ 8. Vectors and vector breeding areas are effectively prevented/controlled. 360-1.14(l), 360-16.3(h)(5), 360-16.4(b)(5)
☐ ☐ ☐ 9. Odors are effectively controlled. 360-1.14(m), 360-16.3(h)(5), 360-16.4(b)(5)
☐ ☐ ☐ **10. Adequate shelter for mobile equipment for routine maintenance and repair is provided. 360-1.14(o)**
☐ ☐ ☐ 11. Noise levels are controlled to prevent transmission of sound levels above the allowable levels off-site. 360-1.14(p), 360-16.3(h)(5), 360-16.4(b)(5)
☐ ☐ ☐ **12. Open burning occurs only in accordance with a Department issued burning permit. 360-1.14(q)**
☐ ☐ ☐ **13. Facility has adequately heated and lighted shelters, safe drinking water supply, sanitary toilet facilities and radio or telephone communications. 360-1.14(t)**
☐ ☐ ☐ **14. Facility operator has a copy of all applicable permits, conditions, contingency plan, operations and maintenance report and the most recent annual report. 360-1.14(u)(1)**
☐ ☐ ☐ **15. An air monitoring program is implemented to monitor dust, odors or other air pollutants at and emanating from the facility, where required by the Department. 360-16.4(b)(5)(iv)**

WATER

☐ ☐ ☐ 16. Solid waste is prevented from entering surface waters and/or groundwaters. 360-1.14(b)(1)
☐ ☐ ☐ 17. Leachate is minimized and discharge to waters is presented/controlled. 360-1.14(b)(2), 360-16.3(f)(2), 360-16.4(g)

ACCESS

☐ ☐ ☐ 18. Access to the facility is adequately controlled. 360-1.14(d), 360-16.4(h)
☐ ☐ ☐ **19. On-site roads are passable. 360-1.14(n), 360-16.3(g)(4)**
☐ ☐ ☐ **20. Attendant is present during all operational hours to control access and receive solid waste, where permanent operating equipment exists. 360-1.14(c)**

Facility not in operation at this time

WASTE HANDLING

☐ ☐ ☐ 21. Incoming waste is inspected before acceptance and the C&D debris accepted is weighed or measured before unloading. 360-16.4(b)(2)
☐ ☐ ☐ 22. Proper separation of materials and adequate supervision is provided to ensure that waste wood is unadulterated and not contaminated if it is to be pulverized or processed separately from other C&D. 360-16.4(c)(3)
☐ ☐ ☐ 23. Adequate storage for incoming C&D debris is available. 360-16.4(f)(1)
☐ ☐ ☐ 24. Unauthorized solid waste material received at the facility is removed within 24 hrs. 360-16.4(f)(1)
☐ ☐ ☐ 25. Processed and unprocessed C&D debris is not stored uncovered at the facility for a period exceeding 30 days. 360-16.4(f)(2)*
☐ ☐ ☐ 26. Processed and unprocessed C&D debris is not stored in enclosed or covered storage for a period exceeding 90 days. 360-16.4(f)(2)*
☐ ☐ ☐ 27. Processed and unprocessed C&D debris storage piles do not exceed 20 feet in height and the area at the base of the pile does not exceed 5,000 square feet. 360-16.4(f)(3)
☐ ☐ ☐ 28. C&D debris storage piles are not located in excavations or below normal grade. 360-16.4(f)(3), 360-16.4(f)(5)
☐ ☐ ☐ 29. A minimum separation distance of 25 feet is maintained between C&D debris storage piles and a minimum separation distance of 50 feet is maintained between C&D debris storage piles and property boundaries. 360-16.4(f)(3)
☐ ☐ ☐ 30. Recyclables recovered from the C&D debris are not stored at the facility for a period exceeding 60 calendar days. 360-16.4(f)(4)
☐ ☐ ☐ 31. Screenings which meet all the requirements for an alternative daily cover material and screenings which received an approval of a petition for a beneficial use determination are not stored uncovered at the facility for a period exceeding 15 calendar days. 360-16.4(d)(1), 360-16.4(f)(6)

OTHER

☐ ☐ ☐ 32. Telephone numbers to emergency response agencies are conspicuously posted in all areas at facility where telephones are available. 360-1.14(s)
☐ ☐ ☐ **33. All C&D debris storage, processing, handling and tipping areas include appropriate functioning fire detection and/or protection equipment. 360-16.4(b)(4)**

* except the storage of recognizable uncontaminated concrete and other masonary waste, asphalt pavement, brick, soil or rock that has not been in contact with a spill from a petroleum product, hazardous waste or industrial waste and that is not commingled with any other solid waste. 360-16.4(f)(5)

Continuation sheet(s) attached?: ☐ Yes ☐ No
If Yes, Indicate the number of continuation sheets attached _____

Nancy Loster / Env. Eng. Tech III
Name of Inspector/Title (Please Print)

Nancy J. Loster
Signature

Gary Metzger
Name of Facility Representative/Title (Please Print)

Signature not obtained
Signature

☆ Facility Not Operating ☆

Clear Form

CONSTRUCTION & DEMOLITION DEBRIS PROCESSING FACILITY ANNUAL REPORT

(If you need assistance filling out this form please email swmfannualreport@dec.ny.gov or call 518-402-8678.)

Complete and submit this form by March 2, 2017.

This annual report is for the year of operation from January 01, 2016 to December 31, 2016

SECTION 1 – GENERAL INFORMATION

FACILITY INFORMATION

FACILITY NAME:			
Metzger Removal #1			
FACILITY LOCATION ADDRESS:	**FACILITY CITY:**	**STATE:**	**ZIP CODE:**
235 River Road	North Tonwanda	NY	14120
FACILITY TOWN:	**FACILITY COUNTY:**	**FACILITY PHONE NUMBER:**	
Niagara	Niagara	(716) 692-1810	
FACILITY NYS PLANNING UNIT: (A list of NYS Planning Units can be found at the end of this report.) NWCB		**NYSDEC REGION #:**	9
360 PERMIT #: (Refer to DEC Permit) 9-9909-000901-00007	**DATE ISSUED:** 6/3/2004	**DATE EXPIRES:** None	**NYS DEC ACTIVITY CODE OR REGISTRATION NUMBER:** 32W03
FACILITY CONTACT: Gary Metzger	☐ public ☒ private	**CONTACT PHONE NUMBER:** (716) 692-1810	**CONTACT FAX NUMBER:** (716) 692-0728
CONTACT EMAIL ADDRESS: metzger.removal@gmail.com			

OWNER INFORMATION

OWNER NAME:	OWNER PHONE NUMBER:	OWNER FAX NUMBER:	
Metzger Removal, Inc.	(716) 692-1810	(716) 692-0728	
OWNER ADDRESS: 235 River Road	**OWNER CITY:** North Tonawanda	**STATE:** NY	**ZIP CODE:** 14120
OWNER CONTACT: Gary Metzger	**OWNER CONTACT EMAIL ADDRESS:** metzgerremoval@aol.com		

OPERATOR INFORMATION

OPERATOR NAME: ☑ *same as owner* ☐ public ☒ private

PREFERENCES

Preferred address to receive correspondence: ☐ *Facility location address* ☒ *Owner address* ☐ *Other (provide):*

Preferred email address: ☐ *Facility Contact* ☒ *Owner Contact* ☐ *Other (provide):*

Preferred individual to receive correspondence: ☐ *Facility Contact* ☒ *Owner Contact* ☐ *Other (provide):*

Did you operate in 2016? ☐ Yes; Complete this form.

☒ No; Complete and submit Sections 1 and 11. If you no longer plan to operate and wish to relinquish your permit/registration associated with this solid waste management activity, also complete the "Inactive Solid Waste Management Facility or Activity Notification Form" located at: http://www.dec.ny.gov/chemical/52706.html .

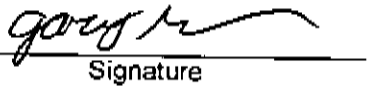
SECTION 11 - SIGNATURE AND DATE BY OWNER OR OPERATOR

Owner or Operator must sign, date and submit one completed form with an original signature to the appropriate Regional Office (See attachment for Regional Office addresses and Solid Waste Contacts.)

The Owner or Operator must also submit one copy by email, fax or mail to:

New York State Department of Environmental Conservation
Division of Materials Management
Bureau of Permitting and Planning
625 Broadway
Albany, New York 12233-7260
Fax 518-402-9041
Email address: SWMFannualreport@dec.ny.gov

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority to sign this report form pursuant to 6 NYCRR Part 360. 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.

 Signature	4/1/17 Date
Gary Metzger Name (Print or Type)	President Title (Print or Type)
metzger.removal@aol.com Email (Print or Type)	
235 River Road Address	North Tonawanda City
New York, 14120 State and Zip	(716) 692-1810 Phone Number

ATTACHMENTS: ☐ YES ☑ NO
(Please check appropriate line)

REGISTERED C&D DEBRIS HANDLING AND RECOVERY FACILITY ANNUAL REPORT

(If you need assistance filling out this form please email swmfannualreport@dec.ny.gov or call 518-402-8678.)

Complete and submit this form by March 1, 2020.
This annual report is for the year of operation from January 01, 2019 to December 31, 2019

SECTION 1 – GENERAL INFORMATION

FACILITY INFORMATION

FACILITY NAME: Metzger Removal #1			
FACILITY LOCATION ADDRESS: 235 River Road	**FACILITY CITY:** North Tonawanda	**STATE:** NY	**ZIP CODE:** 14120
FACILITY TOWN: Niagara	**FACILITY COUNTY:** Niagara	**FACILITY PHONE NUMBER:** (716)692-1810	
FACILITY NYS PLANNING UNIT: (A list of NYS Planning Units can be found at the end of this report). Niagara County		**NYSDEC REGION #:** 9	

360 PERMIT #: (Refer to DEC Permit) 9-9909-00090-00007	**DATE ISSUED:** 6/3/2004	**DATE EXPIRES:** None	**NYS DEC ACTIVITY CODE OR REGISTRATION NUMBER:** (Refer to DEC Registration) 32W03

FACILITY CONTACT: Gary Metzger	☐ public ☑ private	**CONTACT PHONE NUMBER:** (716)692-1810	**CONTACT FAX NUMBER:** (716)692-0728
CONTACT EMAIL ADDRESS: metzger.removal@gmail.com			

OWNER INFORMATION

OWNER NAME: Metzger Removal, Inc.	**OWNER PHONE NUMBER:** (716)692-1810	**OWNER FAX NUMBER:** (716)692-0728	
OWNER ADDRESS: 235 River Road	**OWNER CITY:** North Tonawanda	**STATE:** NY	**ZIP CODE:** 14120
OWNER CONTACT: Gary Metzger	**OWNER CONTACT EMAIL ADDRESS:** metzger.removal@aol.com		

OPERATOR INFORMATION

OPERATOR NAME: ☑ *same as owner* ☐ public ☑ private

PREFERENCES

Preferred address to receive correspondence: ☐ *Facility location address* ☑ *Owner address* ☐ *Other (provide):*

Preferred email address: ☑ *Facility Contact* ☐ *Owner Contact* ☐ *Other (provide):*

Preferred individual to receive correspondence: ☐ *Facility Contact* ☑ *Owner Contact* ☐ *Other (provide):*

Did you operate in 2019? ☐ Yes; Complete this form.

☑ No; Complete and submit Sections 1 and 11. If you no longer plan to operate and wish to relinquish your permit/registration associated with this solid waste management activity, also complete the "Inactive Solid Waste Management Facility or Activity Notification Form" located at: http://www.dec.ny.gov/chemical/52706.html .

SECTION 11 - SIGNATURE AND DATE BY OWNER OR OPERATOR

Owner or Operator must sign, date and submit one completed form to the appropriate Regional Office (See attachment for Regional Office addresses, email addresses and Materials Management Contacts).

The Owner or Operator must also submit one copy by email, fax or mail to:

New York State Department of Environmental Conservation
Division of Materials Management
Bureau of Solid Waste Management
625 Broadway
Albany, New York 12233-7260
Fax 518-402-9041
Email address: SWMFannualreport@dec.ny.gov

I certify, under penalty of law, that the data and other information identified in this report have been prepared under my direction and supervision in compliance with a system designed to ensure that qualified personnel properly and accurately gather and evaluate this information. I am aware that any false statement I make in such report is punishable pursuant to section 71-2703(2) of the Environmental Conservation Law and section 210.45 of the Penal Law.

Signature	2/28/2020 Date
Gary Metzger Name (Print or Type)	President Title (Print or Type)
metzger.removal@aol.com Email (Print or Type)	
235 River Road Address	North Tonawanda City
New York, 14120 State and Zip	(716) 692-1810 Phone Number

ATTACHMENTS: ☐ YES ☑ NO
(Please check appropriate line)

MJH

NI

37W03

Annual Report

This Construction & Demolition Debris Processing Facility Annual Report is for the year of operation from 1/1, 2007 **to** 12/31, 2007.

SECTION 1 - Owner/Facility Information

Facility Name METZGER REMOVAL #1

Facility Location 235 RIVER RD, N TONA State NY Zip 14120

Facility Contact GARY METZGER Phone # (716) 692-1810

Contact e-mail address metzgercrushing@aol.com

Fax # (716) 692-0728

Town NIAGARA County NIAGARA NYSDEC Region # 9

NYS Planning Unit NIAGARA COUNTY (A list of NYS Planning Units can be found at the end of this report.)

NYSDEC Activity Code or Registration # 32W03

360 Permit # 9-9909-00090/00007- Issued 6/3/2004 Expires /// NONE

Owner Name METZGER REMOVAL INC Phone # (716) 692-1810

Mailing Address 235 RIVER RD N TONAWANDA State NY Zip 14120

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NYSDEC - REGION 9
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SECTION 2 - Quantity of Material Received

A. Quantity Received by Month/Year

Provide the tonnages of solid waste received. This includes all wastes received at your facility regardless of their destination after processing.
DO NOT REPORT IN CUBIC YARDS!

Specify the methods used to measure the quantities received and the percentages measured by each method:

_____% Scale Weight 100% Estimated

_____% Truck Count _____% Other (Specify: _____)

Type of Solid Waste	January (tons)	February (tons)	March (tons)	April (tons)	May (tons)	June (tons)	July (tons)
Aggregate & Concrete							
Asphalt				1300	1400	1100	
Brick							
Brush/Branches/Trees/ Stumps							
Bulk Metal							
Concrete				850	1200	550	
Construction & Demolition Debris (mixed)							
Drywall							
Mixed Fill							
Other Masonry Materials							
Paper/Cardboard							
Rock							
Roofing Shingles							
Soil (Clean)							
Wood Chips							
Wood (Clean)							
Other (Please specify)							
Total Tons Received	0	0	0	2150	2600	1650	0

SECTION 2 - Quantity of Material Received (continued)

A. Quantity Received by Month/Year

Type of Solid Waste	Tip Fee ($)	August (tons)	September (tons)	October (tons)	November (tons)	December (tons)	Total Year (tons)	Daily Avg. (tons)
Aggregate & Concrete								
Asphalt							3800	10.41
Brick								
Brush/Branches/Trees/ Stumps								
Bulk Metal								
Concrete							2600	7.12
Construction & Demolition Debris (mixed)								
Drywall								
Mixed Fill								
Other Masonry Materials								
Paper/Cardboard								
Rock								
Roofing Shingles								
Soil (Clean)								
Wood Chips								
Wood (Clean)								
Other (Please specify)								
Total Tons Received		0	0	0	0	0	6400	17.53

2007

B. Quantity Received by Facility's Service Area

Identify the facility's service area by indicating the type of solid waste received, the Solid Waste Management facility (SWMF) from which it was received (or Direct Haul), the corresponding NYS Planning Unit, and the County/Province and State/Country and the amount received. **Refer to the list of NYS Planning Units that can be found at the end of this report.** Note: "Direct Haul" means waste hauled directly to your SWMF which did not go through another SWMF. The total amount reported here should equal the total amount reported in Section 2A (Quantity Received by Month/Year). DO NOT REPORT IN CUBIC YARDS!

Specify transport method and percentages of total waste transported by each:

100 % Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

_____

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Location)	Quantity (tons)
Aggregate & Concrete	*(Example) (NYC)*	*(Queens)*	*(NY)*	*(Jamaica Recycling, Jamaica)*	*(12,000)*
	(Brookhaven)	*(Suffolk)*	*(NY)*	*(Direct Haul)*	*(1,500)*
	(NYC)	*(Bronx)*	*(NY)*	*(IESI Casanova Street, Bronx)*	*(11,000)*
Asphalt	NIAGARA	NIAGARA	NY	DIRECT HAUL	3800

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Location)	Quantity (tons)
Brick					
Brush/Branches/Trees/ Stumps					
Bulk Metal					
Concrete	NIAGARA	NIAGARA	NY	DIRECT HAUL	2600
Construction & Demolition (C&D) Debris (mixed)					

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Location)	Quantity (tons)
Drywall					
Mixed Fill					
Other Masonry Materials					
Paper/Cardboard					
Rock					

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Location)	Quantity (tons)
Roofing Shingles					
Soil (Clean)					
Wood Chips					
Wood (Clean)					
Other (Please specify)					
Total Tons Received					6400

Section 3 - Transfer or Disposal Destination

Identify the transfer or disposal destination of waste removed by indicating the name of the transfer or disposal facility to which waste was sent, the type of solid waste transferred from your facility, the corresponding NYS Planning Unit, and the County/Province and State/Country of transfer or disposal destination facility, and the amount transferred or disposed or used as alternative daily cover (ADC) at each destination. This only includes waste sent off-site for disposal or transfer prior to disposal, not recovered for reuse or recycling. Exclude Materials Recovered amounts reported in Section 4. **Refer to the list of NYS Planning Units that can be found at the end of this report.** DO NOT REPORT IN CUBIC YARDS!

Transport (specify percentages):

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

_____

Transfer or Disposal Destination								
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility (Name & Location)	Amount Transferred (tons)	Amount Disposed (tons)	Amount Used as ADC (tons)	Quantity (tons)
Construction & Demolition (C&D) Debris (mixed)	*(Example) (Huntington)*	*(Suffolk)*	*(NY)*	*(110 Sand & Gravel Landfill, Melville)*		*(7,000)*		*(7,000)*
	(NYC)	*(Richmond)*	*(NY)*	*(Vanbro Corp, Staten Island)*	*(4,000)*			*(4,000)*
	(Monroe)	*(Monroe)*	*(NY)*	*(High Acres Landfill, Fairport)*		*(5,000)*	*(3,000)*	*(8,000)*

Transfer or Disposal Destination								
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility (Name & Location)	Amount Transferred (tons)	Amount Disposed (tons)	Amount Used as ADC (tons)	Quantity (tons)
Residue								
Other (Please specify)								
Total Tons								0

SECTION 4 - Material Recovered for Reuse/Recycling

Provide the tonnages of solid waste recovered for reuse or recycling. Identify the receiving location or solid waste management facility by indicating the name of the facility, the type of solid waste recovered, the corresponding NYS Planning Unit, and the County/Province and State/Country, and the amount recovered. **Refer to the list of NYS Planning Units that can be found at the end of this report.** DO NOT REPORT IN CUBIC YARDS!

Transport (specify percentages):

100 % Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas are in these transport methods_____

_____

Material Recovered for Reuse/Recycling					
Material Recovered	NYS Planning Unit	County or Province	State or Country	Destination Location or Solid Waste Management Facility	Quantity (tons)
Aggregate & Concrete	*(Example) (N/A)*	*(Monmouth)*	*(NJ)*	*(Platinum Star Recycling, Morganville)*	*(5,000)*
Asphalt	NIAGARA	NIAGARA	NY	METZGER REMOVAL, 235 RIVER RD	3800
Brick					

Material Recovered for Reuse/Recycling					
Material Recovered	NYS Planning Unit	County or Province	State or Country	Destination Location or Solid Waste Management Facility	Quantity (tons)
Brush/Branches/Trees/ Stumps					
Bulk Metal					
Concrete	NIAGARA	NIAGARA	NY	METZGER REMOVAL, 235 RIVER RD	2600
Drywall					
Glass					

Material Recovered for Reuse/Recycling					
Material Recovered	NYS Planning Unit	County or Province	State or Country	Destination Location or Solid Waste Management Facility	Quantity (tons)
Mixed Fill					
Other Masonry Materials					
Paper/Cardboard					
Plastic					
Rock					

Material Recovered for Reuse/Recycling					
Material Recovered	NYS Planning Unit	County or Province	State or Country	Destination Location or Solid Waste Management Facility	Quantity (tons)
Roofing Shingles					
Soil (Clean)					
Wood Chips					
Wood (Clean)					
Other (Please specify)					
Total Tons					6400

SECTION 5 - Unauthorized Solid Waste

Has unauthorized solid waste been received at the construction and demolition debris facility during the reporting period?
__ Yes X No

If yes, give information below for each incident:

Date Received	Type Received	Date Disposed	Disposal Method & Location

SECTION 6 - Cost Estimates and Financial Assurance Documents

Submit (attached to this form) any required cost estimates and financial assurance documents for closure, post-closure care, and applicable corrective measures, all reflecting adjustments for inflation and any changes to the Closure, Post Closure or Closure Maintenance Plans to indicate updated dollars for the year of operation for which the Annual Report is made. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 7 - Problems

Identify any problems encountered during the reporting period (e.g. specific occurrences which have led to changes in facility procedures) and methods for resolution of the problems. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 8 - Changes

Identify any changes in the operation that have occurred during the reporting period (e.g. equipment, service area, and operational procedure changes). List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 9 - Permit/Consent Order/Registration Reporting Requirements

Are there any additional permit/consent order/registration reporting requirements not covered by the previous sections of this form? ____Yes _X_No

If yes, identify the reporting requirements with their respective responses below, attaching additional sheets as necessary. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

_____

_____

_____

_____

Other (Specify: _____) _____$/ton

SECTION 10 - Signature and Date By Owner or Operator

Owner or Operator must sign, date and submit one completed form with an original signature to the appropriate Regional Office (See attachment for Regional Office addresses and Solid Waste Contacts.)

The Owner or Operator must also submit one copy by email, fax or mail to:

New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Bureau of Solid Waste, Reduction & Recycling
625 Broadway, 9th Floor
Albany, New York 12233-7253
Fax 518-402-9041
Email address: bwrrfann@gw.dec.state.ny.us

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority to sign this report form pursuant to 6 NYCRR Part 360. 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.

Signature _____ Date 4/26/10

GARY METZGER
Name (Print or Type)

PRESIDENT
Title (Print or Type)

235 RIVER RD
Address

NORTH TONAWANDA
City

NY 14120
State and Zip

(716) 692-1810
Phone Number

ATTACHMENTS: ____ YES _X_ NO
(Please check appropriate line)

(MJ)

NL NY

32W03

Annual Report

This Construction & Demolition Debris Processing Facility Annual Report is for the year of operation from 1/1, 2008 **to** 12/31, 2008.

SECTION 1 - Owner/Facility Information

Facility Name METZGER REMOVAL #1

Facility Location 235 RIVER RD, N TONA State NY Zip 14120

Facility Contact GARY METZGER Phone # (716) 692-1810

Contact e-mail address metzgercrushing@aol.com

Fax # (716) 692-0728

Town NIAGARA County NIAGARA NYSDEC Region # 9

NYS Planning Unit NIAGARA COUNTY (A list of NYS Planning Units can be found at the end of this report.)

NYSDEC Activity Code or Registration # 32W03

360 Permit # 9-9909-00090/00002-_ Issued 6/3/2004 Expires _/_/ None

Owner Name METZGER REMOVAL INC Phone # (716) 692-1810

Mailing Address 235 RIVER RD, N TONAWANDA State NY Zip 14120

RECEIVED
NYSDEC - REGION 9

APR 28 2010

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SECTION 2 - Quantity of Material Received

A. Quantity Received by Month/Year

Provide the tonnages of solid waste received. This includes all wastes received at your facility regardless of their destination after processing.
DO NOT REPORT IN CUBIC YARDS!

Specify the methods used to measure the quantities received and the percentages measured by each method:

_____% Scale Weight _____% Estimated

_____% Truck Count _____% Other (Specify: _____)

Type of Solid Waste	January (tons)	February (tons)	March (tons)	April (tons)	May (tons)	June (tons)	July (tons)
Aggregate & Concrete							
Asphalt							
Brick							
Brush/Branches/Trees/ Stumps							
Bulk Metal							
Concrete							
Construction & Demolition Debris (mixed)							
Drywall							
Mixed Fill							
Other Masonry Materials							
Paper/Cardboard							
Rock							
Roofing Shingles							
Soil (Clean)							
Wood Chips							
Wood (Clean)							
Other (Please specify)							
Total Tons Received	0	0	0	0	0	0	0

SECTION 2 - Quantity of Material Received (continued)

A. Quantity Received by Month/Year

Type of Solid Waste	Tip Fee ($)	August (tons)	September (tons)	October (tons)	November (tons)	December (tons)	Total Year (tons)	Daily Avg. (tons)
Aggregate & Concrete								
Asphalt								
Brick								
Brush/Branches/Trees/ Stumps								
Bulk Metal								
Concrete								
Construction & Demolition Debris (mixed)								
Drywall								
Mixed Fill								
Other Masonry Materials								
Paper/Cardboard								
Rock								
Roofing Shingles								
Soil (Clean)								
Wood Chips								
Wood (Clean)								
Other (Please specify)								
Total Tons Received		0	0	0	0	0	0	0

B. Quantity Received by Facility's Service Area

Identify the facility's service area by indicating the type of solid waste received, the Solid Waste Management facility (SWMF) from which it was received (or Direct Haul), the corresponding NYS Planning Unit, and the County/Province and State/Country and the amount received. **Refer to the list of NYS Planning Units that can be found at the end of this report.** Note: "Direct Haul" means waste hauled directly to your SWMF which did not go through another SWMF. The total amount reported here should equal the total amount reported in Section 2A (Quantity Received by Month/Year). DO NOT REPORT IN CUBIC YARDS!

Specify transport method and percentages of total waste transported by each:

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

_____

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Location)	Quantity (tons)
Aggregate & Concrete	*(Example) (NYC)*	*(Queens)*	*(NY)*	*(Jamaica Recycling, Jamaica)*	*(12,000)*
	(Brookhaven)	*(Suffolk)*	*(NY)*	*(Direct Haul)*	*(1,500)*
	(NYC)	*(Bronx)*	*(NY)*	*(IESI Casanova Street, Bronx)*	*(11,000)*
Asphalt					

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Location)	Quantity (tons)
Brick					
Brush/Branches/Trees/ Stumps					
Bulk Metal					
Concrete					
Construction & Demolition (C&D) Debris (mixed)					

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Location)	Quantity (tons)
Drywall					
Mixed Fill					
Other Masonry Materials					
Paper/Cardboard					
Rock					

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Location)	Quantity (tons)
Roofing Shingles					
Soil (Clean)					
Wood Chips					
Wood (Clean)					
Other (Please specify)					
Total Tons Received					0

Section 3 - Transfer or Disposal Destination

Identify the transfer or disposal destination of waste removed by indicating the name of the transfer or disposal facility to which waste was sent, the type of solid waste transferred from your facility, the corresponding NYS Planning Unit, and the County/Province and State/Country of transfer or disposal destination facility, and the amount transferred or disposed or used as alternative daily cover (ADC) at each destination. This only includes waste sent off-site for disposal or transfer prior to disposal, not recovered for reuse or recycling. Exclude Materials Recovered amounts reported in Section 4. **Refer to the list of NYS Planning Units that can be found at the end of this report.** DO NOT REPORT IN CUBIC YARDS!

Transport (specify percentages):

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

_____

Transfer or Disposal Destination								
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility (Name & Location)	Amount Transferred (tons)	Amount Disposed (tons)	Amount Used as ADC (tons)	Quantity (tons)
Construction & Demolition (C&D) Debris (mixed)	*(Example) (Huntington)*	*(Suffolk)*	*(NY)*	*(110 Sand & Gravel Landfill, Melville)*		*(7,000)*		*(7,000)*
	(NYC)	*(Richmond)*	*(NY)*	*(Vanbro Corp, Staten Island)*	*(4,000)*			*(4,000)*
	(Monroe)	*(Monroe)*	*(NY)*	*(High Acres Landfill, Fairport)*		*(5,000)*	*(3,000)*	*(8,000)*

Transfer or Disposal Destination								
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility (Name & Location)	Amount Transferred (tons)	Amount Disposed (tons)	Amount Used as ADC (tons)	Quantity (tons)
Residue								
Other (Please specify)								
Total Tons								0

SECTION 4 - Material Recovered for Reuse/Recycling

Provide the tonnages of solid waste recovered for reuse or recycling. Identify the receiving location or solid waste management facility by indicating the name of the facility, the type of solid waste recovered, the corresponding NYS Planning Unit, and the County/Province and State/Country, and the amount recovered. **Refer to the list of NYS Planning Units that can be found at the end of this report.** DO NOT REPORT IN CUBIC YARDS!

Transport (specify percentages):

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas are in these transport methods_____

_____

Material Recovered for Reuse/Recycling					
Material Recovered	NYS Planning Unit	County or Province	State or Country	Destination Location or Solid Waste Management Facility	Quantity (tons)
Aggregate & Concrete	*(Example)* *(N/A)*	*(Monmouth)*	*(NJ)*	*(Platinum Star Recycling, Morganville)*	*(5,000)*
Asphalt					
Brick					

Material Recovered for Reuse/Recycling					
Material Recovered	NYS Planning Unit	County or Province	State or Country	Destination Location or Solid Waste Management Facility	Quantity (tons)
Brush/Branches/Trees/ Stumps					
Bulk Metal					
Concrete					
Drywall					
Glass					

Material Recovered for Reuse/Recycling					
Material Recovered	NYS Planning Unit	County or Province	State or Country	Destination Location or Solid Waste Management Facility	Quantity (tons)
Mixed Fill					
Other Masonry Materials					
Paper/Cardboard					
Plastic					
Rock					

Material Recovered for Reuse/Recycling					
Material Recovered	NYS Planning Unit	County or Province	State or Country	Destination Location or Solid Waste Management Facility	Quantity (tons)
Roofing Shingles					
Soil (Clean)					
Wood Chips					
Wood (Clean)					
Other (Please specify)					
Total Tons					0

SECTION 5 - Unauthorized Solid Waste

Has unauthorized solid waste been received at the construction and demolition debris facility during the reporting period?
__ Yes X No

If yes, give information below for each incident:

Date Received	Type Received	Date Disposed	Disposal Method & Location

SECTION 6 - Cost Estimates and Financial Assurance Documents

Submit (attached to this form) any required cost estimates and financial assurance documents for closure, post-closure care, and applicable corrective measures, all reflecting adjustments for inflation and any changes to the Closure, Post Closure or Closure Maintenance Plans to indicate updated dollars for the year of operation for which the Annual Report is made. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 7 - Problems

Identify any problems encountered during the reporting period (e.g. specific occurrences which have led to changes in facility procedures) and methods for resolution of the problems. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 8 - Changes

Identify any changes in the operation that have occurred during the reporting period (e.g. equipment, service area, and operational procedure changes). List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 9 - Permit/Consent Order/Registration Reporting Requirements

Are there any additional permit/consent order/registration reporting requirements not covered by the previous sections of this form? ____Yes __X__No

If yes, identify the reporting requirements with their respective responses below, attaching additional sheets as necessary. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

_____

_____

_____

_____

Other (Specify: _____) _____$/ton

SECTION 10 - Signature and Date By Owner or Operator

Owner or Operator must sign, date and submit one completed form with an original signature to the appropriate Regional Office (See attachment for Regional Office addresses and Solid Waste Contacts.)

The Owner or Operator must also submit one copy by email, fax or mail to:

New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Bureau of Solid Waste, Reduction & Recycling
625 Broadway, 9th Floor
Albany, New York 12233-7253
Fax 518-402-9041
Email address: bwrrfann@gw.dec.state.ny.us

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority to sign this report form pursuant to 6 NYCRR Part 360. 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.

Signature	4/26/10 Date
GARY METZGER Name (Print or Type)	PRESIDENT Title (Print or Type)
235 RIVER RD Address	NORTH TONAWANDA City
NEW YORK 14120 State and Zip	(716) 692-1810 Phone Number

ATTACHMENTS: ____ YES __X__ NO
(Please check appropriate line)

MJH
NLNL

37W03

Annual Report

This Construction & Demolition Debris Processing Facility Annual Report is for the year of operation from 1/1, 2009 to 12/31, 2009.

SECTION 1 - Owner/Facility Information

Facility Name METZGER REMOVAL #1

Facility Location 235 RIVER RD, N TONA State NY Zip 14120

Facility Contact GARY METZGER Phone # (716) 692-1810

Contact e-mail address metzgercrushing@aol.com

Fax # (716) 692-0728

Town NIAGARA County NIAGARA NYSDEC Region # 9

NYS Planning Unit NIAGARA COUNTY (A list of NYS Planning Units can be found at the end of this report.)

NYSDEC Activity Code or Registration # 32W03

360 Permit # 9-9909-00901/00002- Issued 6/3/2004 Expires 1/1 NONE

Owner Name METZGER REMOVAL INC Phone # (716) 692-1810

Mailing Address 235 RIVER RD, N TONAWANDA State NY Zip 14120

RECEIVED
NYSDEC - REGION 9
APR 28 2010
FOIL
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SECTION 2 - Quantity of Material Received

A. Quantity Received by Month/Year

Provide the tonnages of solid waste received. This includes all wastes received at your facility regardless of their destination after processing. DO NOT REPORT IN CUBIC YARDS!

Specify the methods used to measure the quantities received and the percentages measured by each method:

_____% Scale Weight _____% Estimated

_____% Truck Count _____% Other (Specify: _____)

Type of Solid Waste	January (tons)	February (tons)	March (tons)	April (tons)	May (tons)	June (tons)	July (tons)
Aggregate & Concrete							
Asphalt							
Brick							
Brush/Branches/Trees/ Stumps							
Bulk Metal							
Concrete							
Construction & Demolition Debris (mixed)							
Drywall							
Mixed Fill							
Other Masonry Materials							
Paper/Cardboard							
Rock							
Roofing Shingles							
Soil (Clean)							
Wood Chips							
Wood (Clean)							
Other (Please specify)							
Total Tons Received	0	0	0	0	0	0	0

SECTION 2 - Quantity of Material Received (continued)

A. Quantity Received by Month/Year

Type of Solid Waste	Tip Fee ($)	August (tons)	September (tons)	October (tons)	November (tons)	December (tons)	Total Year (tons)	Daily Avg. (tons)
Aggregate & Concrete								
Asphalt								
Brick								
Brush/Branches/Trees/ Stumps								
Bulk Metal								
Concrete								
Construction & Demolition Debris (mixed)								
Drywall								
Mixed Fill								
Other Masonry Materials								
Paper/Cardboard								
Rock								
Roofing Shingles								
Soil (Clean)								
Wood Chips								
Wood (Clean)								
Other (Please specify)								
Total Tons Received		0	0	0	0	0	0	0

2009

B. Quantity Received by Facility's Service Area

Identify the facility's service area by indicating the type of solid waste received, the Solid Waste Management facility (SWMF) from which it was received (or Direct Haul), the corresponding NYS Planning Unit, and the County/Province and State/Country and the amount received. **Refer to the list of NYS Planning Units that can be found at the end of this report.** Note: "Direct Haul" means waste hauled directly to your SWMF which did not go through another SWMF. The total amount reported here should equal the total amount reported in Section 2A (Quantity Received by Month/Year). DO NOT REPORT IN CUBIC YARDS!

Specify transport method and percentages of total waste transported by each:

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

_____

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Location)	Quantity (tons)
Aggregate & Concrete	*(Example) (NYC)*	*(Queens)*	*(NY)*	*(Jamaica Recycling, Jamaica)*	*(12,000)*
	(Brookhaven)	*(Suffolk)*	*(NY)*	*(Direct Haul)*	*(1,500)*
	(NYC)	*(Bronx)*	*(NY)*	*(IESI Casanova Street, Bronx)*	*(11,000)*
Asphalt					

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Location)	Quantity (tons)
Brick					
Brush/Branches/Trees/ Stumps					
Bulk Metal					
Concrete					
Construction & Demolition (C&D) Debris (mixed)					

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Location)	Quantity (tons)
Drywall					
Mixed Fill					
Other Masonry Materials					
Paper/Cardboard					
Rock					

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Location)	Quantity (tons)
Roofing Shingles					
Soil (Clean)					
Wood Chips					
Wood (Clean)					
Other (Please specify)					
Total Tons Received					0

Section 3 - Transfer or Disposal Destination

Identify the transfer or disposal destination of waste removed by indicating the name of the transfer or disposal facility to which waste was sent, the type of solid waste transferred from your facility, the corresponding NYS Planning Unit, and the County/Province and State/Country of transfer or disposal destination facility, and the amount transferred or disposed or used as alternative daily cover (ADC) at each destination. This only includes waste sent off-site for disposal or transfer prior to disposal, not recovered for reuse or recycling. Exclude Materials Recovered amounts reported in Section 4. **Refer to the list of NYS Planning Units that can be found at the end of this report.** DO NOT REPORT IN CUBIC YARDS!

Transport (specify percentages):

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

_____

Transfer or Disposal Destination								
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility (Name & Location)	Amount Transferred (tons)	Amount Disposed (tons)	Amount Used as ADC (tons)	Quantity (tons)
Construction & Demolition (C&D) Debris (mixed)	*(Example) (Huntington)*	*(Suffolk)*	*(NY)*	*(110 Sand & Gravel Landfill, Melville)*		*(7,000)*		*(7,000)*
	(NYC)	*(Richmond)*	*(NY)*	*(Vanbro Corp, Staten Island)*	*(4,000)*			*(4,000)*
	(Monroe)	*(Monroe)*	*(NY)*	*(High Acres Landfill, Fairport)*		*(5,000)*	*(3,000)*	*(8,000)*

Transfer or Disposal Destination								
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility (Name & Location)	Amount Transferred (tons)	Amount Disposed (tons)	Amount Used as ADC (tons)	Quantity (tons)
Residue								
Other (Please specify)								
Total Tons								0

SECTION 4 - Material Recovered for Reuse/Recycling

Provide the tonnages of solid waste recovered for reuse or recycling. Identify the receiving location or solid waste management facility by indicating the name of the facility, the type of solid waste recovered, the corresponding NYS Planning Unit, and the County/Province and State/Country, and the amount recovered. **Refer to the list of NYS Planning Units that can be found at the end of this report.** DO NOT REPORT IN CUBIC YARDS!

Transport (specify percentages):

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas are in these transport methods_____

_____

Material Recovered for Reuse/Recycling					
Material Recovered	NYS Planning Unit	County or Province	State or Country	Destination Location or Solid Waste Management Facility	Quantity (tons)
Aggregate & Concrete	*(Example)* *(N/A)*	*(Monmouth)*	*(NJ)*	*(Platinum Star Recycling, Morganville)*	*(5,000)*
Asphalt					
Brick					

Material Recovered for Reuse/Recycling					
Material Recovered	NYS Planning Unit	County or Province	State or Country	Destination Location or Solid Waste Management Facility	Quantity (tons)
Brush/Branches/Trees/ Stumps					
Bulk Metal					
Concrete					
Drywall					
Glass					

Material Recovered for Reuse/Recycling					
Material Recovered	NYS Planning Unit	County or Province	State or Country	Destination Location or Solid Waste Management Facility	Quantity (tons)
Mixed Fill					
Other Masonry Materials					
Paper/Cardboard					
Plastic					
Rock					

Material Recovered for Reuse/Recycling					
Material Recovered	NYS Planning Unit	County or Province	State or Country	Destination Location or Solid Waste Management Facility	Quantity (tons)
Roofing Shingles					
Soil (Clean)					
Wood Chips					
Wood (Clean)					
Other (Please specify)					
Total Tons					0

SECTION 5 - Unauthorized Solid Waste

Has unauthorized solid waste been received at the construction and demolition debris facility during the reporting period?
__ Yes X No

If yes, give information below for each incident:

Date Received	Type Received	Date Disposed	Disposal Method & Location

SECTION 6 - Cost Estimates and Financial Assurance Documents

Submit (attached to this form) any required cost estimates and financial assurance documents for closure, post-closure care, and applicable corrective measures, all reflecting adjustments for inflation and any changes to the Closure, Post Closure or Closure Maintenance Plans to indicate updated dollars for the year of operation for which the Annual Report is made. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 7 - Problems

Identify any problems encountered during the reporting period (e.g. specific occurrences which have led to changes in facility procedures) and methods for resolution of the problems. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 8 - Changes

Identify any changes in the operation that have occurred during the reporting period (e.g. equipment, service area, and operational procedure changes). List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 9 - Permit/Consent Order/Registration Reporting Requirements

Are there any additional permit/consent order/registration reporting requirements not covered by the previous sections of this form? ____Yes _X_No

If yes, identify the reporting requirements with their respective responses below, attaching additional sheets as necessary. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

_____

_____

_____

_____

Other (Specify: _____) _____$/ton

SECTION 10 - Signature and Date By Owner or Operator

Owner or Operator must sign, date and submit one completed form with an original signature to the appropriate Regional Office (See attachment for Regional Office addresses and Solid Waste Contacts.)

The Owner or Operator must also submit one copy by email, fax or mail to:

New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Bureau of Solid Waste, Reduction & Recycling
625 Broadway, 9th Floor
Albany, New York 12233-7253
Fax 518-402-9041
Email address: bwrrfann@gw.dec.state.ny.us

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority to sign this report form pursuant to 6 NYCRR Part 360. 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.

Signature

4/26/10
Date

GARY METZGER
Name (Print or Type)

PRESIDENT
Title (Print or Type)

235 RIVER RD
Address

NORTH TONAWANDA
City

NEW YORK 14120
State and Zip

(716)692-1810
Phone Number

ATTACHMENTS: ____ YES _X_ NO
(Please check appropriate line)

ANNUAL REPORT

This Construction & Demolition Debris Processing Facility Annual Report is for the year of operation from

Jan 1 ,20 10 to Dec 31 ,20 10

SECTION 1 – Owner / Facility Information

FACILITY NAME: METZGER REMOVAL #1			
FACILITY ADDRESS: 235 RIVER ROAD, NORTH TONAWANDA		**STATE:** NY	**ZIP CODE:** 14120
FACILITY TOWN: NIAGARA	**FACILITY COUNTY:** NIAGARA	**NYSDEC REGION #:** 9	
FACILITY NYS PLANNING UNIT: NIAGARA COUNTY			
360 PERMIT #: 9-9909-00090/ 00007	**DATE ISSUED:** 6/3/2004	**DATE EXPIRES:** NONE	**NYS DEC ACTIVITY CODE OR REGISTRATION NUMBER:** 32W03
FACILITY CONTACT: GARY METZGER	**TELEPHONE NUMBER:** 716 692 1810	**FAX NUMBER:** 716 692 0728	
CONTACT EMAIL ADDRESS: metzgercrushing@aol.com			
OWNER NAME: METZGER REMOVAL INC	**TELEPHONE NUMBER:** 716 692 1810	**FAX NUMBER:** 716 692 0728	
MAILING ADDRESS: 235 RIVER ROAD NORTH TONAWANDA		**STATE:** NY	**ZIP CODE:** 14120

SECTION 2 - Quantity of Material Received

A. Quantity Received by Month/Year

Provide the tonnages of solid waste received. This includes all wastes received at your facility regardless of their destination after processing.
DO NOT REPORT IN CUBIC YARDS!

Specify the methods used to measure the quantities received and the percentages measured by each method:

_____% Scale Weight _____% Estimated

_____% Truck Count _____% Other (Specify: _____)

Type of Solid Waste	January (tons)	February (tons)	March (tons)	April (tons)	May (tons)	June (tons)	July (tons)
Aggregate & Concrete							
Asphalt							
Brick							
Brush/Branches/Trees/ Stumps							
Bulk Metal							
Concrete							
Construction & Demolition Debris (mixed)							
Drywall							
Mixed Fill							
Other Masonry Materials							
Paper/Cardboard							
Rock							
Roofing Shingles							
Soil (Clean)							
Wood Chips							
Wood (Clean)							
Other (Please specify)							
Total Tons Received	0	0	0	0	0	0	0

SECTION 2 - Quantity of Material Received (continued)

A. Quantity Received by Month/Year

Type of Solid Waste	Tip Fee ($)	August (tons)	September (tons)	October (tons)	November (tons)	December (tons)	Total Year (tons)	Daily Avg. (tons)
Aggregate & Concrete								
Asphalt								
Brick								
Brush/Branches/Trees/ Stumps								
Bulk Metal								
Concrete								
Construction & Demolition Debris (mixed)								
Drywall								
Mixed Fill								
Other Masonry Materials								
Paper/Cardboard								
Rock								
Roofing Shingles								
Soil (Clean)								
Wood Chips								
Wood (Clean)								
Other (Please specify)								
Total Tons Received		0	0	0	0	0	0	0

B. Quantity Received by Facility's Service Area

Identify the facility's service area by indicating the type of solid waste received, the Solid Waste Management facility (SWMF) from which it was received (or Direct Haul), the corresponding NYS Planning Unit, and the County/Province and State/Country and the amount received. **Refer to the list of NYS Planning Units that can be found at the end of this report.** Note: "Direct Haul" means waste hauled directly to your SWMF which did not go through another SWMF. The total amount reported here should equal the total amount reported in Section 2A (Quantity Received by Month/Year). DO NOT REPORT IN CUBIC YARDS!

Specify transport method and percentages of total waste transported by each:

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

_____

Please report the facility from which you received the solid waste. Note: This is not the facility identified in Section 1.

B. Quantity Received by Facility's Service Area

Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Address)	Quantity (tons)
Aggregate & Concrete	*(Example) (NYC)*	*(Queens)*	*(NY)*	*(Jamaica Recycling, Jamaica)*	*(12,000)*
	(Brookhaven)	*(Suffolk)*	*(NY)*	*(Direct Haul)*	*(1,500)*
	(NYC)	*(Bronx)*	*(NY)*	*(IESI Casanova Street, Bronx)*	*(11,000)*
Asphalt					
Brick					
Brush/Branches/Trees/ Stumps					

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Address)	Quantity (tons)
Bulk Metal					
Concrete					
Construction & Demolition (C&D) Debris (mixed)					
Drywall					
Mixed Fill					
Other Masonry Materials					
Paper/Cardboard					

B. Quantity Received by Facility's Service Area					
Type of Solid Waste	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility from which it was received (Name & Address)	Quantity (tons)
Rock					
Roofing Shingles					
Soil (Clean)					
Wood Chips					
Wood (Clean)					
Other (Please specify)					
				Total Tons Received	0

Section 3 - Transfer or Disposal Destination

Identify the transfer or disposal destination of waste removed by indicating the name of the transfer or disposal facility to which waste was sent from your facility, the type of solid waste transferred from your facility, the corresponding NYS Planning Unit, and the County/Province and State/Country of transfer or disposal destination facility, and the amount transferred or disposed or used as alternative daily cover (ADC) at each destination. Includes only waste sent off-site for disposal or further transfer prior to disposal, not recovered for reuse or recycling. Exclude Materials Recovered amounts reported in Section 4. **Refer to the list of NYS Planning Units that can be found at the end of this report.** DO NOT REPORT IN CUBIC YARDS!

Please report the facility to which you send the solid waste. Note: This is not the facility identified in Section 1.

Transport (specify percentages):

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

_____

Transfer or Disposal Destination								
Type of Solid Waste	**NYS Planning Unit**	**County or Province**	**State or Country**	**Solid Waste Management Facility to which solid waste is sent (Name & Address)**	**Amount to Transfer Destination (tons)**	**Amount to Disposal Destination (tons)**	**Amount Used as ADC (tons)**	**Quantity (tons)**
Construction & Demolition (C&D) Debris (mixed)	*(Example) (Huntington)*	*(Suffolk)*	*(NY)*	*(110 Sand & Gravel Landfill, Melville)*		*(7,000)*		*(7,000)*
	(NYC)	*(Richmond)*	*(NY)*	*(Vanbro Corp, Staten Island)*	*(4,000)*			*(4,000)*
	(Monroe)	*(Monroe)*	*(NY)*	*(High Acres Landfill, Fairport)*		*(5,000)*	*(3,000)*	*(8,000)*
Residue								
Other (Please specify)								
							Total Tons	

SECTION 4 - Material Recovered for Reuse/Recycling

Provide the tonnages of solid waste recovered for reuse or recycling. Identify the location or solid waste management facility to which the recovered material was sent from your facility, by indicating the name of the facility, the type of solid waste recovered, the corresponding NYS Planning Unit, and the County/Province and State/Country, and the amount recovered. **Refer to the list of NYS Planning Units that can be found at the end of this report.** DO NOT REPORT IN CUBIC YARDS!

Please report the facility to which you send the recovered material. Note: This is not the facility identified in Section 1.

Transport (specify percentages):

_____% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas are in these transport methods_____

_____

Material Recovered for Reuse/Recycling

Material Recovered	NYS Planning Unit	County or Province	State or Country	Solid Waste Management Facility to which recovered material is sent (Name & Address)	Quantity (tons)
Aggregate & Concrete	*(Example)* *(N/A)*	*(Monmouth)*	*(NJ)*	*(Platinum Star Recycling, Morganville)*	*(5,000)*
Asphalt					
Brick					
Brush/Branches/Trees/ Stumps					

Material Recovered for Reuse/Recycling					
Material Recovered	**NYS Planning Unit**	**County or Province**	**State or Country**	**Solid Waste Management Facility to which recovered material is sent (Name & Address)**	**Quantity (tons)**
Bulk Metal					
Concrete					
Drywall					
Glass					
Mixed Fill					
Other Masonry Materials					
Paper/Cardboard					
Plastic					

Material Recovered for Reuse/Recycling					
Material Recovered	**NYS Planning Unit**	**County or Province**	**State or Country**	**Solid Waste Management Facility to which recovered material is sent (Name & Address)**	**Quantity (tons)**
Rock					
Roofing Shingles					
Soil (Clean)					
Wood Chips					
Wood (Clean)					
Other (Please specify)					
				Total Tons	0

SECTION 5 - Unauthorized Solid Waste

Has unauthorized solid waste been received at the construction and demolition debris facility during the reporting period?
___ Yes X No

If yes, give information below for each incident:

Date Received	Type Received	Date Disposed	Disposal Method & Location

SECTION 6 - Cost Estimates and Financial Assurance Documents

Submit (attached to this form) any required cost estimates and financial assurance documents for closure reflecting adjustments for inflation and any changes to the Closure Plan, to indicate updated dollars for the year of operation for which the Annual Report is made. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 7 - Problems

Identify any problems encountered during the reporting period (e.g. specific occurrences which have led to changes in facility procedures) and methods for resolution of the problems. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 8 - Changes

Identify any changes in the operation that have occurred during the reporting period (e.g. equipment, service area, and operational procedure changes). List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

SECTION 9 - Permit/Consent Order/Registration Reporting Requirements

Are there any additional permit/consent order/registration reporting requirements not covered by the previous sections of this form? ____Yes X No

If yes, identify the reporting requirements with their respective responses below, attaching additional sheets as necessary. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

_____

_____

_____

_____

Other (Specify: _____) _____$/ton

SECTION 10 - Signature and Date By Owner or Operator

Owner or Operator must sign, date and submit one completed form with an original signature to the appropriate Regional Office (See attachment for Regional Office addresses and Solid Waste Contacts.)

The Owner or Operator must also submit one copy by email, fax or mail to:

New York State Department of Environmental Conservation
Division of Materials Management
Bureau of Permitting and Planning
625 Broadway, 9th Floor
Albany, New York 12233-7253
Fax 518-402-9041
Email address: swpermit@gw.dec.state.ny.us

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority to sign this report form pursuant to 6 NYCRR Part 360. 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.

Signature: _____ Date: 3-4-11

Name (Print or Type): GARY METZGER Title (Print or Type): _____

Address: 235 RIVER RD City: NORTH TONAWANDA

State and Zip: NEW YORK 14120 Phone Number: (716) 692-1810

ATTACHMENTS: ____ YES X NO
(Please check appropriate line)

NIAGARA COUNTY DEPARTMENT OF HEALTH
ENVIRONMENTAL HEALTH DIVISION
5467 Upper Mountain Road, Suite 100
Lockport, New York 14094-1894

(716) 439-7444
(716) 439-7427 FAX

December 21, 2020

Rita Fendick
C&S Engineers
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

Re: FOIL REQUEST
Adjacent Parcels to:
173, 175, 235 River Road
190 Main Street
North Tonawanda, NY

Dear Ms. Fendick:

Please be advised that this office does not have any information concerning the above site.

If you have any questions or need further assistance please call me at 716-439-7451.

Yours very truly,

David Drust, P.E.

David Drust, P.E.
Supervisory Public Health Engineer

DD/amr

BARRON & ASSOCIATES, P.C.
Geotechnical Consulting and Special Inspections
10440 Main Street (716) 759-7821
Clarence, NY 14031 www.barronandassociatespc.com

April 7, 2023 Job No: 23-522

APR Holdings, LLC
4727 Camp Road
Hamburg, NY 14075

ATTN: Andrew Romanowski

RE: Geotechnical Engineering Report
Proposed Housing Development
235 River Road and 190 Main Street
North Tonawanda, New York 14120

Mr. Romanowski:

This report presents the findings of the subsurface investigation program and geotechnical engineering recommendations for the above referenced project. The geographic orientation of the project site is illustrated on the U.S. Geologic Survey (USGS) site location map in Figure No. 1. The project site is illustrated in Figure No. 2, entitled "Test Boring Location Plan", which includes: the approximate location of nine test borings that were drilled by Buffalo Drilling Company, Inc. (BDC); ground surface elevations; profile section lines; and additional site details.

EXPLORATION METHODS

Sampling Method: An ATV-mounted CME-75 rotary drill rig was used to drill nine borings to depths ranging from approximately 23 to 45 feet below ground surface by using 2-1/4 inch inside diameter (ID), continuous flight hollow stem augers. Samples were recovered by driving a standard split-spoon sampler (2-foot long by 1-3/8 inch inside diameter) 24 inches with a 140-pound hammer falling 30 inches per blow per the American Society of Testing and Materials (ASTM) Standard D1586. The number of blows from six to 18 inches of penetration is defined as the Standard Penetration Test (SPT) N-value. Auger refusal, which may infer the top of bedrock, was encountered at seven of the nine boring locations.

Any encountered groundwater conditions are documented in the field on the driller's logs for each test boring. If indicators of groundwater are observed on the sampling equipment, the depth to groundwater is also checked and measured through the hollow stem augers at the completion of the sampling efforts.

Classification: The retrieved soil and fill samples were initially logged in the field by the driller, and a portion of each sample was placed and sealed in a glass jar. The boring logs, which are included in Appendix A, were based upon the field logs and a second visual classification of recovered samples in

the laboratory by a geologist. Classification/identification of samples, as noted on the boring logs, is based on the Unified Soil Classification System (USCS) in ASTM D2487/D2488. Refer to Appendix B entitled, "Geotechnical Reference Standards", for an explanation of the terminology that is used for soil and rock descriptions.

Laboratory Testing: Laboratory soil testing was undertaken on several retrieved split spoon samples. The overall laboratory testing program consisted of the following test methods:

- Water (Moisture) Content of Soil — ASTM D2216
- Liquid Limit, Plastic Limit, and Plasticity Index of Soils — ASTM D4318
- Grain-size Analysis — ASTM D421/422

Appendix C contains Table No. 1, which presents the tabulated results of the physical/soil index properties, and the associated graphical illustration of the data.

SITE AND SUBSURFACE CONDITIONS

General: The proposed site for development is located at 235 River Road and 190 Main Street in the City of North Tonawanda, New York. The site lies between River Road to the west, Main Street to the east Thompson Street to the north, and Island Street to the south. Currently, the site is occupied with two single-story metal buildings. The existing parcels are used for construction company parking and as a lay-down yard. Details for project development includes the demolition of existing structures and the construction of two separate multi-story housing buildings. Other details are presumed to include landscaped and asphalt-parking areas. At the time of this writing, it is noted that further project-specific details are not available and site feasibility may depend on geotechnical findings. The site topography generally flat, with ground surface elevations across the boring locations varying by less than 30 inches. Boring location B-3 is the high-point at relative elevation 102.2 ± feet, and location B-6 being the low-point at elevation 99.8 ± feet.

Subsurface Soil Conditions:

In general, subsurface conditions consist of two-to-eight feet of granular and/or cohesive fill which overlays natural silt and clay. The silt and clay layers overlay naturally-deposited cohesive glacial till.

The fill layers contained subbase materials including gravel, sand, and/or clay, and presented with amounts of other unnatural materials such as brick, asphalt, and slag. Further, organics were observed in the fill, such as plant roots. Up to an eight-foot-thick layer of soft to very-stiff natural brown silt is present

across the site. In general, the silt overlays soft-to-hard natural brown clay. Medium-stiff to hard brown naturally-deposited cohesive glacial till was observed the remaining depths drilled.

Bedrock: Auger refusal, which is generally inferred to be top of bedrock, was encountered at seven of the nine borings. Based upon the regional geology, the bedrock type beneath the site would be the Camillus Shale.

Groundwater: Groundwater was not encountered during subsurface exploration efforts on this lot. Readings are taken at completion of drilling efforts and, therefore, an adequate amount of time for the groundwater level to recharge to static conditions is probably not allowed. Fluctuations in the ground water level may occur due to other factors than those present during field operations. Based on the observed soil conditions, it is concluded that the static water table is lower than the planned foundation bearing elevation and no other severe soil-water conditions exist.

EARTHQUAKE/SEISMIC CONSIDERATIONS

Site Class Definition: For the given site conditions, the most applicable site definition is Site Class D, in accordance with Section 1613.2.2 of Building Code of New York State © 2020 and listed in Table 20.3-1 of Chapter 20 of American Society of Civil Engineers (ASCE) Standard 7-16.

Liquefaction Potential: For the Site Class D, the design spectral response acceleration parameters S_{DS}, at 0.2 seconds, and S_{D1}, at one second, are 0.176g and 0.071g (g = 32.2 feet/sec^2), respectively, for this part of Niagara County, New York (see Appendix D). These values have a two percent probability of being exceeded in 50 years. Based upon the above conditions and an approximate magnitude 6.0 earthquake on the Richter Scale, the potential for liquefaction or settlement of Site Class D soil is considered low.

FOUNDATION DESIGN AND CONSTRUCTION RECOMMENDATIONS

General: This section will present and discuss recommendations on foundation design and construction and placement of controlled fills, and subgrade and base layer requirements for concrete floor slabs, paved parking and roadway areas. The maximum design exterior bearing wall and column loads are not expected to exceed six kips per lineal foot and 80 kips, respectively. The maximum design interior bearing column load is not expected to exceed 100 kips. The maximum live floor load is taken as 100 pounds per square foot (psf).

Site Preparation and Earthwork: General site preparation will include the demolition and complete removal of any encountered foundations and floor slabs, and removing all unsuitable surficial material (i.e., asphalt pavement, concrete, brick, expansive slag, organic or topsoil layer, and construction and demolition-like fill) to a depth where firm, granular or cohesive fills or naturally-occurring soils are encountered. It is recommended, particularly in the location of the proposed structures, that any slag and/or cinder/ash containing material, if encountered, should be tested to determine the expansion and corrosion characteristics (where applicable for direct or potential contact with foundation elements and buried utilities) of these materials prior to their use on-site. Any rubble-like and brick fill, boulders, or wood fill in particular, if encountered, will require undercutting. The proposed building pads and any paved areas are to be proof rolled with a fully loaded ten-wheel dump truck. All encountered soft and disturbed zones should be undercut and stabilized with granular fill that is placed in compacted lifts prior to placement of additional fill materials above. Refer to Appendix E entitled "General Earthwork Specification" for definition of the fill types and gradations, recommended minimum compaction requirements for various site developments, and placement and compaction methods. The NYS Department of Transportation (NYSDOT) specification numbers for typical aggregate subbase/base course components that are included in the select granular fill category as are as follows: Item No. 304.12 (Metric) Subbase Course, Type 2 (< 2-inch maximum size), which is preferred; or Item No. 304.14 (Metric) Subbase Course, Type 4 (< 2-inch maximum size).

In addition to the existing structures, it is likely that former residential/commercial structures existed at the project site for the proposed buildings and that former footings and foundation walls may be buried. Septic tank and system locations and the abandonment conditions or practices are normally unknown. If encountered during site development, it is recommended that any tanks and systems should be properly removed/treated/remediated relative to the proposed development and under the applicable local and state regulations. The remaining cavities, from the aforementioned items, should be backfilled with select/approved granular fill that is placed in thin lifts and compacted to the minimum recommendation, as presented in this report, for the proposed development at that cavity location.

Shallow Foundation: The recommended foundation type is shallow footings. Continuous strip and spread exterior footings would bear at an elevation of four feet or lower below final exterior grade. A four-foot minimum footing depth (as required by local or New York State code) is needed to provide adequate protection from frost for exterior footings.

If required, interior footings are recommended to bear on stable, naturally deposited soils or on thin layers of thoroughly compacted (minimum of 95 percent of the maximum dry density by ASTM D1557) select/approved granular fill that is placed on an approved subgrade. If needed, a geotextile strength and filter fabric (such as, Mirafi 600X) may be used to line the excavation bottom for the purpose of stabilizing the excavation and placement of the select/approved granular fill. Undercuts to natural deposited silty clay are recommended, to remove fill materials that are unsuitable for direct foundation bearing.

Bearing grades should be approved by a qualified inspector, during construction. Refer to Appendix D "Engineering Computations and Schematics" for more detailed information regarding undercut depth and horizontal distribution within each building footprint.

Undercut areas beneath proposed foundations must extend laterally beyond each vertically projected edge of the foundation by a minimum distance equal to one-half the total depth of the undercut or equating to a slope of two vertical to one horizontal from the bottom foundation corner. The undercuts and placement of compacted select/approved granular fill are required to ensure a suitable and more uniform bearing media for the footings, and to prevent unacceptable differential settlements.

Wall footings should have a minimum two-foot width and column footings should have a minimum three-foot width. Based on the above-described conditions, the recommended maximum net allowable foundation bearing pressure is 2,500 psf of bearing area. All footings for the proposed development are recommended to be designed near the same contact pressure.

The recommended maximum net allowable foundation bearing pressure is based on generally accepted design methods for cohesive soil conditions. Based on the provisions of the above recommendations and estimated design requirements and utilization of proper construction procedures and experienced field supervision and testing personnel, total and differential settlements are estimated to be less than one inch and three-quarters inch, respectively. Refer to Appendix D for additional foundation design and construction details.

Additional Foundation Considerations: In addition to the above, the following recommendations will provide additional assurances with regard to proper foundation construction.

a) All fill placed beneath, adjacent, or above foundations must comply with the "General Earthwork Specification", included as Appendix E.

b) Backfill of foundations with approved select granular fill must be completed prior to placement of substantial superstructure loads, except for basement walls or substructure areas that may additionally require superstructure loads and possibly internal bracing.

c) On site soils may rut and “pump” if exposed to excessive surface water and repeated construction traffic. Proper site management and fill placement operations are needed to minimize costly undercuts and subgrade repairs prior to placement of concrete slabs and asphalt pavement. It is noted that construction during wet/rainy and/or Fall and Spring conditions may require added precautions and possibly a thicker base layer to maintain a stable subgrade condition.

d) Step footings, if utilized, should have a rise to run ratio of 1:2, with a two-foot maximum rise and a four-foot minimum run between steps or as recommended by the design structural engineer.

e) The recommended at rest (rigid wall), active, and passive static earth pressure coefficients for unsaturated, select granular sandy gravel fill against an earth retaining structure/wall are 0.76, 0.24, and 2.8 (with an ultimate value of 4.2), respectively. The respective equivalent static lateral fluid pressures are recommended to be 90, 30 and 330 (with an ultimate value of 500) pounds per square foot (psf) per foot depth which are based upon a moist, compacted unit backfill weight of 120 pounds per cubic foot (pcf). The at rest value would account for the average expected compaction induced stresses and/or the potential influences of hydrostatic pressure. The static lateral fluid pressures can be directly proportioned for other unit weights.

Stabilization of Excavations: The trench/excavation sidewall stability concerns can be addressed with the Occupational Safety and Health Act (OSHA) requirements as set forth in Subpart P of 29 CFR Part 1926, Sections 1926.650 to 1926.652. In lieu of a properly designed shoring system, side slopes of the trench excavation should be one on one (vertical to horizontal distance) or flatter in cohesive soils or one on one and one-half or flatter in the granular materials, as required by OSHA.

Water must not be allowed to accumulate or pond on exposed foundation bearing grades. Surface water and groundwater from within the excavation must be either pumped, diverted or channelized by gravity flow to effectuate the construction of the proposed foundation. Pockets of localized perched groundwater may seasonally be expected to be encountered at footing and/or footing undercut bearing grades. At these locations, dewatering with surface sumps may be required to maintain stable side slopes and excavation bottom.

Concrete Interior Floor Slab(s)/Pad: For the most part and based on test results for similar soils/fills, slightly plastic cohesive natural soils/fills may be somewhat difficult to compact in a controlled manner considering the varying soil plasticity and natural moisture contents that are estimated to be at or too wet of optimum, at the time of this investigation. Excavated cohesive soil/fill types will require intensive soil conditioning, earthwork documentation/testing program, as well as additional laboratory tests prior to approval for on-site reuse as structural fill. These soils/fills may be expected to be suitable for re-use as general fill with the implementation of uniformly applied soil conditioning (i.e., drying and blending) and compaction methods, if additional volume of soil for backfill is needed.

Excavated and approvable granular (i.e., sand or gravel and non-plastic silt and sand) soil/fill are not expected to be available in any quantity. For the most part, granular (i.e., sand or gravel) soil/fill is expected to be acceptable for on-site re-use, as general/ordinary fill without substantial reworking and/or modification, while silty fine-sized sand may first require drying and blending.

Dissimilar excavated materials should not be commingled prior to their use elsewhere on-site, unless designated for a green/vegetation area. General fill material is also recommended to be placed on prepared and approved subgrade and in accordance with previous recommendations.

A geotextile fabric (such as, Mirafi 600X or equal) that separates the subgrade and the approved/select granular base layer may be needed and is particularly recommended for sensitive cohesive/fine-grained/silty clay subgrade soil/fills. This approach will stabilize and provide a workable building pad condition with minimal required repairs.

The approved subgrades will most likely consist of stiff or better/thoroughly compacted (i.e., minimum 92 percent of the maximum dry density by ASTM D1557) cohesive fill and/or a thoroughly compacted imported select/approved granular fill. Above the approved subgrades, a minimum eight-inch thick select granular fill (i.e., number two crusher run stone or equal) layer is recommended as the base course for the proposed building concrete floor slab. The NYSDOT specification numbers for typical aggregate subbase/base course components are Item No. 304.12 (Metric) Subbase Course, Type 2 (< 2-inch maximum), which is preferred, or Item No. 304.14 (Metric) Subbase Course, Type 4 (< 2-inch maximum). This select granular base layer would be compacted to a minimum 95 percent of the maximum dry density by ASTM D1557. The floor slab for the proposed buildings are recommended to be a four-inch minimum thickness or is as determined by the design structural engineer. The floor slab reinforcement should be provided through placement of wire mesh or plastic fibers and is also as determined by the design structural engineer.

At the discretion of the design architect, a vapor barrier may be considered for use in the proposed structures. The use of a thin gravel cushion, as a capillary break, or a thin sand cushion over a vapor barrier that is placed beneath the concrete slab(s) are at the discretion of the design architect/engineer or as required by local code. Gradations of gravels that are satisfactory capillary breaks include 1 ¼-inch or ¾-inch crushed stone or aggregate per the ASTM D2321 Types IA, IB and II with less than 5 % fines. A number two crusher run stone may also be applicable, but the gradation and material property specifications must qualify.

At the assumed final site grade and based upon the thickness and character of the underlying fill and natural soils, the subgrade modulus is recommended not to exceed 100 pounds per cubic inch (pci). A Poisson Ratio of 0.4 is recommended for design purposes. Isolation of the floor slabs from the footings-piers-columns and walls do appear to be warranted. Based upon the subgrade modulus and slab mechanical properties and thickness, the design structural engineer may accordingly adjust the granular aggregate base thickness.

Exterior Concrete Slabs-On-Grade/Pad/Parking and Roadway Facilities: The characteristics of the fill and natural soils and the known frost penetration in Western New York require that specific attention is provided to the design and construction of paved roadway and parking areas. For new pavement sections, isolated pockets of surficial silty/cohesive/fine-grained soil/fill may be encountered and may be too soft and wet in the proposed parking and roadway areas. These types of soil/fill may be adequately conditioned (i.e., dried and blended) and compacted (i.e., minimum 90 percent compaction) to support necessary construction equipment and normal pavement section. Otherwise, the removal/undercutting of the silty/cohesive/fine-grained soil/fill to a firm, approved subgrade and subsequent placement and compaction of select or approved granular fill will be required in order to accommodate the recommended pavement sections.

For new pavement sections, it is recommended that the subgrade surface is adequately graded and/or underdrains are installed to prevent water accumulation. Above the approved subgrade surface (i.e., minimum 90 percent compaction), a minimum eight-inch thick select granular layer is recommended as the base course for lightly traveled roadway and parking areas (standard duty section). A geotextile filter and strength fabric (such as, Mirafi 600X or equal) and minimum 12-inch thick base course are recommended for all truck routes and heavily traveled roadways (heavy duty section). If “pumping” of the silty/cohesive/fine-grained soil subgrade occurs or is difficult to stabilize during construction, an

increase in the base thickness to that of the heavy-duty section and/or a geotextile filter and strength fabric is recommended to be placed on the prepared and approved subgrade for the standard duty section. The NYS Department of Transportation (NYSDOT) specification numbers for typical aggregate subbase/base course components are Item No. 304.12 (Metric) Subbase Course, Type 2 (< 2-inch maximum size), which is preferred, or Item No. 304.14 (Metric) Subbase Course, Type 4 (< 2-inch maximum size). The granular aggregate base layer is recommended to be compacted to at least 95 percent of maximum dry density by ASTM D1557.

The thickness of top and binder course layers should be determined in accordance with AASHTO methods. In summary, the minimum recommended asphalt thicknesses for the heavy-duty section and standard duty section are three and one-half inches and three inches, respectively. The top and binder course layers are recommended to be designed and constructed in accordance with New York State Department of Transportation Standard Specification.

Limitations, Field Inspections and Monitoring: This report is based on the preliminary information that is provided by project representatives and the subsurface conditions that were encountered at the test boring locations. Due to the nature of the investigation method, test pit excavation will provide a greater level of delineation of the subsurface soil/fill/rock conditions than can be defined by the test boring data alone. As detailed in Appendix F "Limitations", modification regarding proposed building/structure locations and other site developments can result in changes to provided recommendations. It is recommended that the geotechnical engineer be provided the opportunity to generally review the final detailed design and contract specifications. Required earthwork and foundation construction should be done under the supervision of experienced construction personnel and in a manner consistent with proven methods. All site work should be carefully monitored and tested by experienced geotechnical personnel to assure compliance with earthwork and foundation construction specifications.

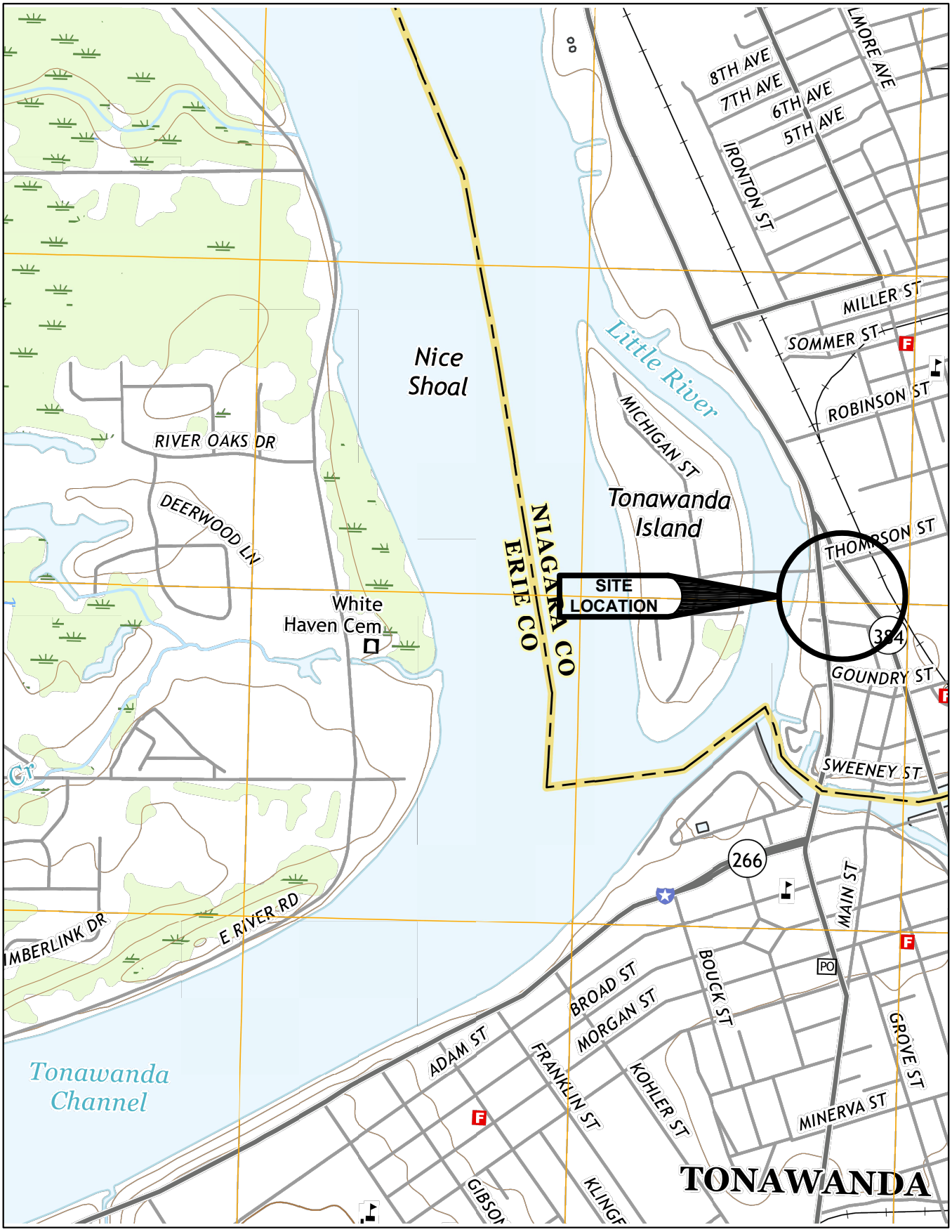
Thank you for the opportunity to assist on this project. If questions should arise, please call the undersigned at your earliest convenience.

Very truly yours,
BARRON & ASSOCIATES, INC.
and
BUFFALO DRILLING COMPANY, INC.

Joseph Colletti, E.I.T.
Geotechnical Engineer

James S. Barron, P.E.
President / Geotechnical Engineer

4.10.23



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DRAWN: DAN KASPROWICZ

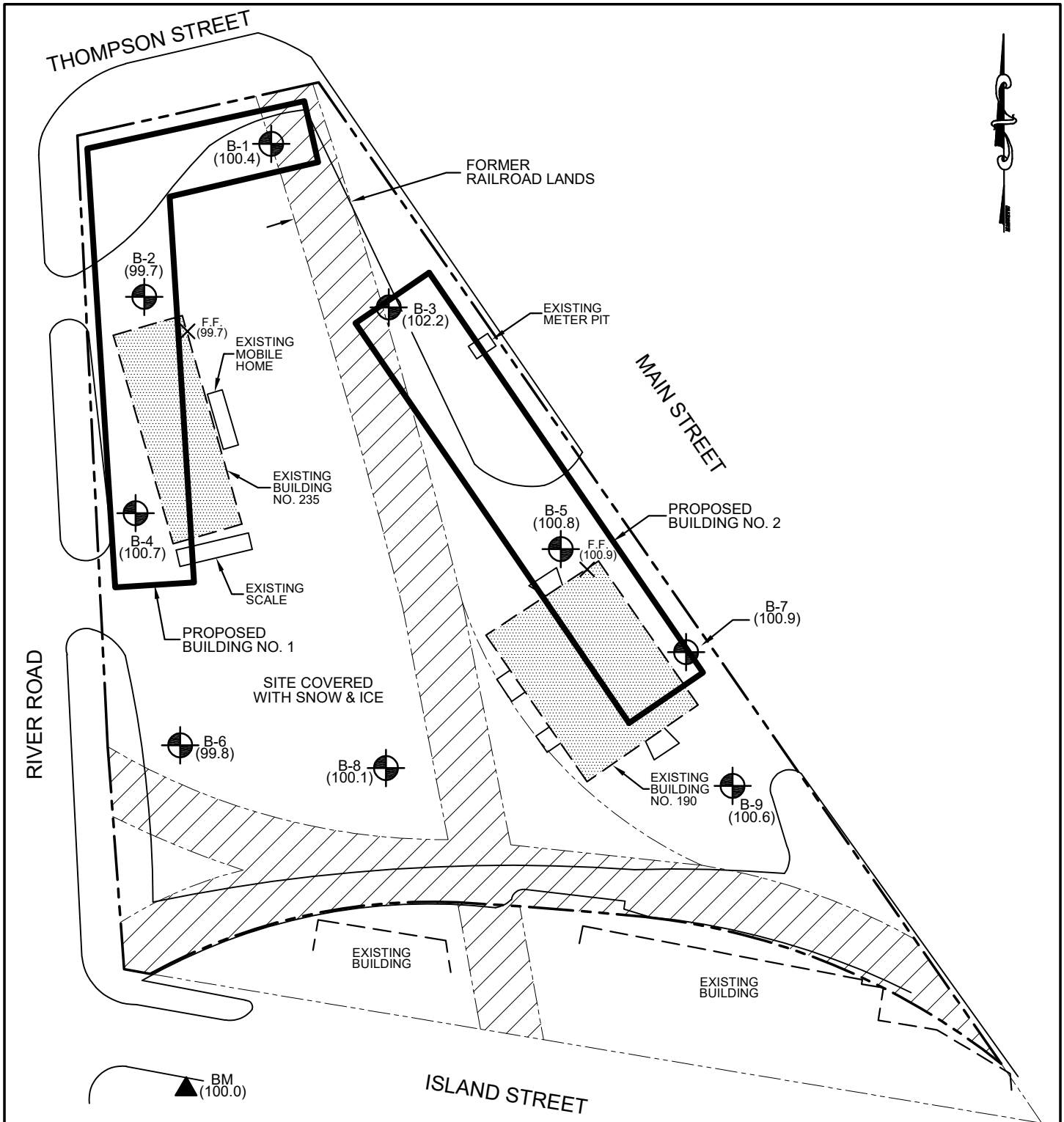
CLIENT: APR HOLDINGS, LLC
4727 CAMP ROAD
HAMBURG, NEW YORK 14075

PROJECT: PROPOSED HOUSING DEVELOPMENT
235 RIVER ROAD AND 190 MAIN STREET
NORTH TONAWANDA, NIAGARA CO., NY 14120

NEW YORK STATE
SITE LOCATION

USGS SITE LOCATION PLAN
TONAWANDA WEST
2016

JOB NO.: 23-522	SCALE: N.T.S.
DATE: 3/1/2023	FIGURE NO. 1



LEGEND		
⊕	B-2	= TEST BORING & NO.
	(99.7)	= RELATIVE GROUND SURFACE ELEVATION (FT.)
×		= SPOT ELEVATION
▲	BM	= BENCH MARK (NORTH BONNET BOLT OF FIRE HYDRANT)

NOTES:

1. BORINGS, BUILDINGS, SITE FEATURES, PROPERTY LINE LOCATIONS, & SCALE OF DRAWING ARE APPROXIMATE.
2. BASE MAP REFERENCE PROVIDED BY MICHAEL L. NOWACKI, SURVEYOR, TITLED "PART OF LOT 81 MR", JOB NO. 98-355, DATED 2/5/1999.

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PROJECT: PROPOSED HOUSING DEVELOPMENT
235 RIVER ROAD AND 190 MAIN STREET
NORTH TONAWANDA, NIAGARA CO., NY 14120

TEST BORING LOCATION PLAN

0 40 80 160

JOB NO.: 23-522	SCALE: 1" = 80'±
DATE: 3/1/2023	FIGURE NO. 2

BARRON & ASSOCIATES, P.C.
Geotechnical Consulting and Special Inspections
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APPENDIX A

TEST BORING LOGS

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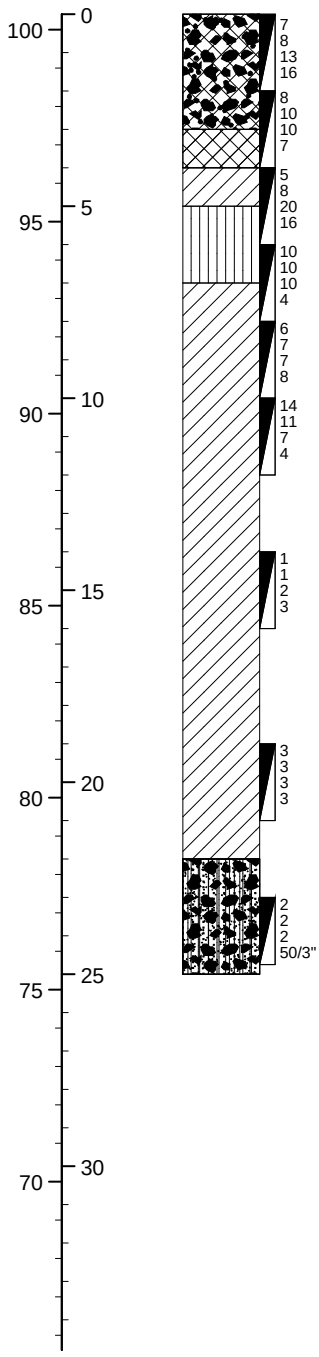
TEST BORING LOG

JOB No.: 23-522 **BORING No.:** B-1

PROJECT: Proposed Housing Development
235 River Road and 190 Main Street, North Tonawanda, Niagara Co., NY 14120

DRILLER:	W. Arnold	**TYPE OF DRILL RIG:**	CME-75
SAMPLING METHODS:	ASTM D1586	**SIZE AND TYPE OF BIT:**	2 1/4" I.D. H.S.A.
DATE STARTED:	3/8/23	**SURFACE ELEVATION (ft.):**	100.4
DATE COMPLETED:	3/8/23	**GROUNDWATER DEPTH (ft.):** (measured at completion unless indicated below)	None



Sample No. : Range	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
S-1 : 0.0'- 2.0'	21	40	Dk. brown, m. dense sand to gravel sized Rock fragments, tr. Concrete, tr. Brick, tr. Asphalt, moist (GW-Fill)
S-2 : 2.0'- 4.0'	20	50	Same as S-1
S-3 : 4.0'- 6.0'	28	50	Dk. brown, v. stiff Clay, some Silt, little Gravel, little f/c Sand, tr. Asphalt, mod. plastic, moist (CL-Fill)
S-4 : 6.0'- 8.0'	20	80	Brown, v. stiff CLAY, some Silt, little f/c Sand, tr. Gravel, mod. plastic, moist (CL) Gray, v. stiff SILT, some f. Sand, little Clay, tr. Gravel, non-plastic, wet (ML) Same as S-3
S-5 : 8.0'- 10.0'	14	75	Gray, v. stiff CLAY, some Silt, little f/c Sand, tr. Gravel, mod. plastic, wet (CL) ...grade: stiff
S-6 : 10.0'- 12.0'	28	100	...grade: v. stiff
S-7 : 14.0'- 16.0'	3	100	...grade: soft
S-8 : 19.0'- 21.0'	6	100	...grade: m. stiff
S-9 : 23.0'- 24.8'	4	100	Gray, m. stiff CLAY, and SILT, little Gravel, little f/c Sand, sl. plastic, moist (CL/ML-Till)
			Depth to Bottom of Hole: 25.0 feet

Logged by: E. Zinni

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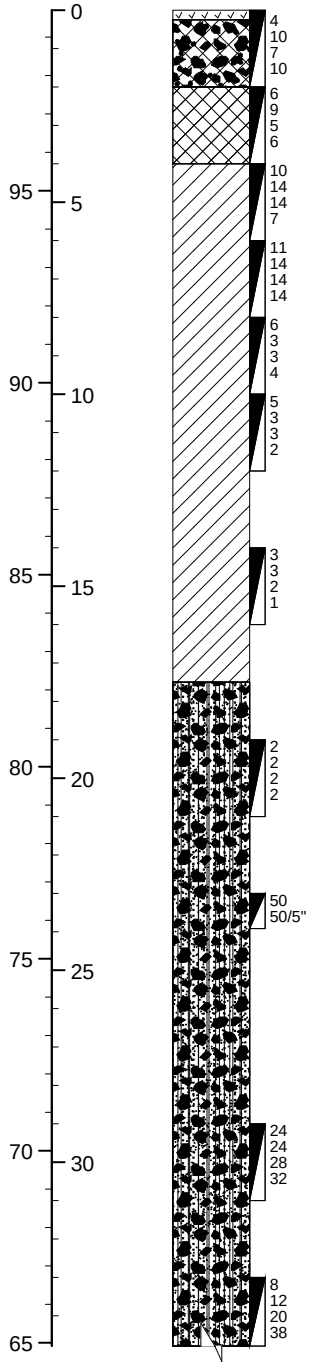
TEST BORING LOG

JOB No.: 23-522 **BORING No.:** B-2

PROJECT: Proposed Housing Development
235 River Road and 190 Main Street, North Tonawanda, Niagara Co., NY 14120

DRILLER:	W. Arnold	**TYPE OF DRILL RIG:**	CME-75
SAMPLING METHODS:	ASTM D1586	**SIZE AND TYPE OF BIT:**	2 1/4" I.D. H.S.A.
DATE STARTED:	3/8/23	**SURFACE ELEVATION (ft.):**	99.7
DATE COMPLETED:	3/8/23	**GROUNDWATER DEPTH (ft.):** (measured at completion unless indicated below)	None



Sample No. : Range	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
			Topsoil (3")
S-1 : 0.0'- 2.0'	17	40	Dk. brown, m. dense sand to gravel sized Rock fragments, tr. Concrete, tr. Brick, tr. Asphalt, tr. Roots, moist (GW-Fill)
S-2 : 2.0'- 4.0'	14	40	Dk. brown, stiff Clay, some Silt, little Gravel, little f/c Sand, tr. Brick, mod. plastic, moist (CL-Fill)
S-3 : 4.0'- 6.0'	28	10	Brown, v. stiff CLAY, some Silt, little f/c Sand, tr. Gravel, mod. plastic, moist (CL)
S-4 : 6.0'- 8.0'	28	80	...grade: Gray
S-5 : 8.0'- 10.0'	6	100	...grade: m. stiff, wet
S-6 : 10.0'- 12.0'	6	80	Same as S-5
S-7 : 14.0'- 16.0'	5	100	Same as S-5
S-8 : 19.0'- 21.0'	4	100	Gray, m. stiff CLAY, and SILT, little Gravel, little f/c Sand, sl. plastic, wet (CL/ML-Till)
S-9 : 23.0'- 23.9'	50+	80	...grade: hard, moist
S-10 : 29.0'- 31.0'	52	50	Same as S-9
S-11 : 33.0'- 35.0'	32	50	Same as S-9

Logged by: E. Zinni

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TEST BORING LOG (CONTINUATION)

JOB No.: 23-522 **BORING No.:** B-2

PROJECT: Proposed Housing Development
235 River Road and 190 Main Street, North Tonawanda, Niagara Co., NY 14120

Elevation/ Depth (feet)	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
60 / 40	50/5"	S-12 : 39.0'- 39.4'	50+	0	Same as S-9 (No Recovery)
55 / 45	50/3"	S-13 : 43.0'- 43.3'	50+	25	...grade: wet
	REFUSAL				Depth to Bottom of Hole: 45.0 feet

35 / 50 / 45 / 55 / 40 / 60 / 35 / 65 / 30 / 70 / 25 / 75

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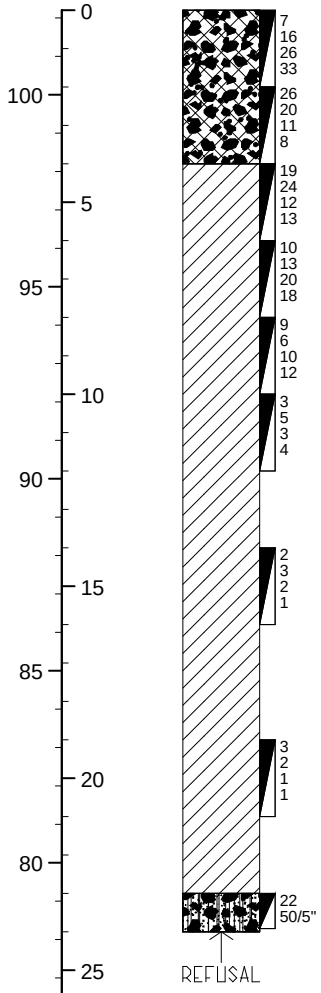
TEST BORING LOG

JOB No.: 23-522 **BORING No.:** B-3

PROJECT: Proposed Housing Development
235 River Road and 190 Main Street, North Tonawanda, Niagara Co., NY 14120

DRILLER:	W. Arnold	**TYPE OF DRILL RIG:**	CME-75
SAMPLING METHODS:	ASTM D1586	**SIZE AND TYPE OF BIT:**	2 1/4" I.D. H.S.A.
DATE STARTED:	3/9/23	**SURFACE ELEVATION (ft.):**	102.2
DATE COMPLETED:	3/9/23	**GROUNDWATER DEPTH (ft.):** (measured at completion unless indicated below)	None



Sample No. : Range	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
S-1 : 0.0'- 2.0'	42	50	Dk. brown, dense sand to gravel sized Rock fragments, tr. Asphalt, wet (GW-Fill)
S-2 : 2.0'- 4.0'	31	0	Same as S-1 (No Recovery)
S-3 : 4.0'- 6.0'	36	40	Brown, hard CLAY, some Silt, little f/c Sand, tr. Gravel, mod. plastic, moist (CL)
S-4 : 6.0'- 8.0'	33	50	...grade: Gray
S-5 : 8.0'- 10.0'	16	0	...grade: v. stiff (No Recovery)
S-6 : 10.0'- 12.0'	8	5	...grade: stiff, wet
S-7 : 14.0'- 16.0'	5	100	...grade: m. stiff
S-8 : 19.0'- 21.0'	3	100	...grade: soft
S-9 : 23.0'- 23.9'	50+	20	Gray, hard CLAY, and SILT, little Gravel, little f/c Sand, sl. plastic, wet (CL/ML-Till)

Depth to Bottom of Hole: 24.0 feet

Logged by: E. Zinni

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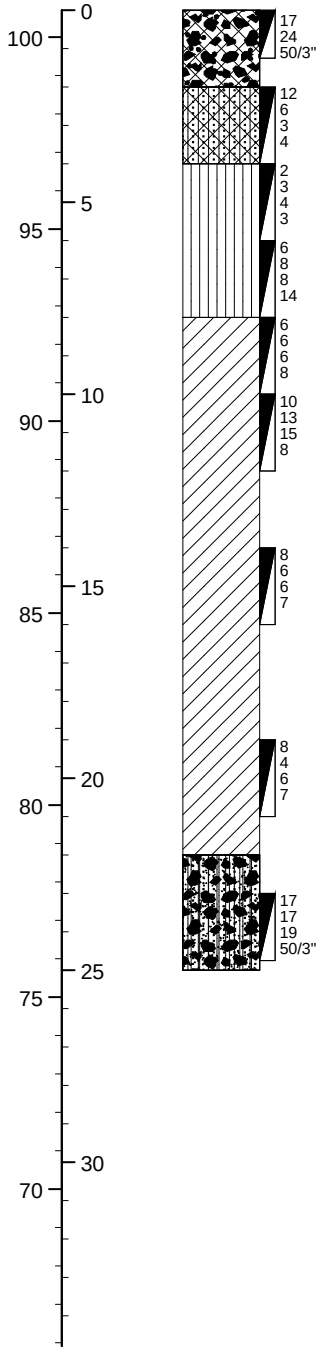
TEST BORING LOG

JOB No.: 23-522 **BORING No.:** B-4

PROJECT: Proposed Housing Development
235 River Road and 190 Main Street, North Tonawanda, Niagara Co., NY 14120

DRILLER:	W. Arnold	**TYPE OF DRILL RIG:**	CME-75
SAMPLING METHODS:	ASTM D1586	**SIZE AND TYPE OF BIT:**	2 1/4" I.D. H.S.A.
DATE STARTED:	3/10/23	**SURFACE ELEVATION (ft.):**	100.7
DATE COMPLETED:	3/10/23	**GROUNDWATER DEPTH (ft.):** (measured at completion unless indicated below)	None



Sample No. : Range	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
S-1 : 0.0'- 1.3'	74+	25	Dk. brown, v. dense sand to gravel sized Rock fragments, tr. Concrete, tr. Asphalt, wet (GW-Fill)
S-2 : 2.0'- 4.0'	9	80	Dk. brown, loose f. SAND, some Silt, little Clay, tr. Gravel, tr. Asphalt, sl. plastic, moist (SM-Fill)
S-3 : 4.0'- 6.0'	7	50	Gray, m. stiff SILT, some f. Sand, little Clay, tr. Gravel, non-plastic, wet (ML)
S-4 : 6.0'- 8.0'	16	50	...grade: v. stiff
S-5 : 8.0'- 10.0'	12	100	Brown, stiff CLAY, some Silt, little f/c Sand, tr. Gravel, mod. plastic, moist (CL)
S-6 : 10.0'- 12.0'	28	25	...grade: v. stiff
S-7 : 14.0'- 16.0'	12	100	...grade: stiff, wet
S-8 : 19.0'- 21.0'	10	100	Same as S-7
S-9 : 23.0'- 24.8'	36	100	Brown, hard CLAY, some Silt, little Gravel, little f/c Sand, mod. plastic, moist (CL-Till)
			Depth to Bottom of Hole: 25.0 feet

Logged by: E. Zinni

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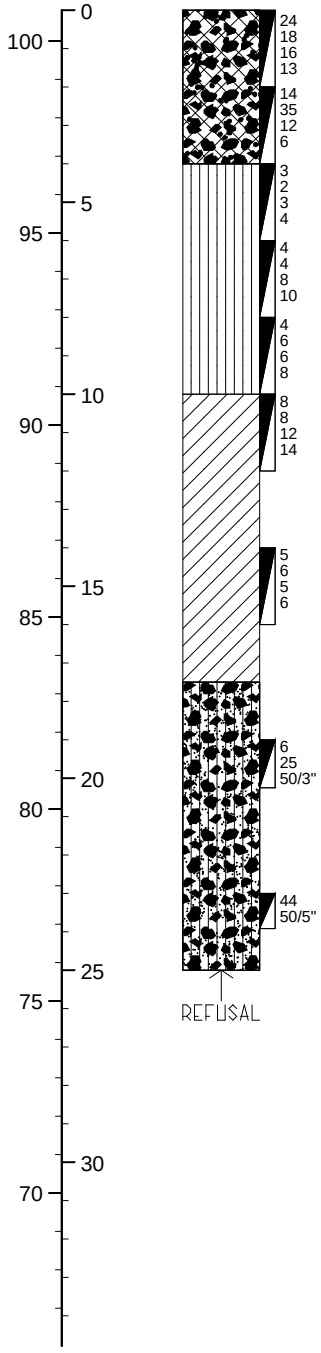
TEST BORING LOG

JOB No.: 23-522 **BORING No.:** B-5

PROJECT: Proposed Housing Development
235 River Road and 190 Main Street, North Tonawanda, Niagara Co., NY 14120

DRILLER:	W. Arnold	**TYPE OF DRILL RIG:**	CME-75
SAMPLING METHODS:	ASTM D1586	**SIZE AND TYPE OF BIT:**	2 1/4" I.D. H.S.A.
DATE STARTED:	3/9/23	**SURFACE ELEVATION (ft.):**	100.8
DATE COMPLETED:	3/9/23	**GROUNDWATER DEPTH (ft.):** (measured at completion unless indicated below)	None



Sample No. : Range	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
S-1 : 0.0'- 2.0'	34	50	Dk. brown, dense sand to gravel sized Rock fragments, tr. Asphalt, tr. Slag, moist (GW-Fill)
S-2 : 2.0'- 4.0'	47	50	Same as S-1
S-3 : 4.0'- 6.0'	5	50	Gray, m. stiff SILT, some f. Sand, little Clay, tr. Gravel, non-plastic, wet (ML)
S-4 : 6.0'- 8.0'	12	75	...grade: Brown, stiff
S-5 : 8.0'- 10.0'	12	50	...grade: Gray
S-6 : 10.0'- 12.0'	20	50	Brown, v. stiff CLAY, some Silt, little f/c Sand, tr. Gravel, mod. plastic, moist (CL)
S-7 : 14.0'- 16.0'	11	100	...grade: stiff
S-8 : 19.0'- 20.3'	75+	25	Gray, hard CLAY, and SILT, little Gravel, little f/c Sand, sl. plastic, moist (CL/ML-Till)
S-9 : 23.0'- 23.9'	50+	25	Same as S-8
			Depth to Bottom of Hole: 25.0 feet

Logged by: E. Zinni

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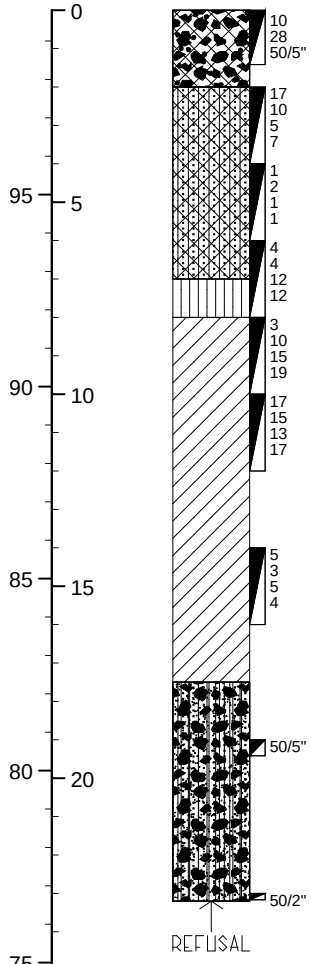
TEST BORING LOG

JOB No.: 23-522 **BORING No.:** B-6

PROJECT: Proposed Housing Development
235 River Road and 190 Main Street, North Tonawanda, Niagara Co., NY 14120

DRILLER:	W. Arnold	**TYPE OF DRILL RIG:**	CME-75
SAMPLING METHODS:	ASTM D1586	**SIZE AND TYPE OF BIT:**	2 1/4" I.D. H.S.A.
DATE STARTED:	3/10/23	**SURFACE ELEVATION (ft.):**	99.8
DATE COMPLETED:	3/10/23	**GROUNDWATER DEPTH (ft.):** (measured at completion unless indicated below)	None



Sample No. : Range	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
S-1 : 0.0'- 1.4'	78+	25	Dk. brown, v. dense sand to gravel sized Rock fragments, tr. Concrete, moist (GW-Fill)
S-2 : 2.0'- 4.0'	15	5	Dk. brown, m. dense f. SAND, some Silt, little Clay, tr. Gravel, sl. plastic, moist (SM-Fill)
S-3 : 4.0'- 6.0'	3	10	...grade: v. loose, tr. Asphalt, tr. Clay, non-plastic, wet
S-4 : 6.0'- 8.0'	16	25	..grade: m. dense
			Gray, v. stiff SILT, some f. Sand, little Clay, tr. Gravel, non-plastic, wet (ML)
S-5 : 8.0'- 10.0'	25	50	Brown, v. stiff CLAY, some Silt, little f/c Sand, tr. Gravel, mod. plastic, moist (CL)
S-6 : 10.0'- 12.0'	28	50	...grade: Gray
S-7 : 14.0'- 16.0'	8	100	...grade: stiff, wet
S-8 : 19.0'- 19.4'	50+	25	Gray, hard CLAY, some Silt, little Gravel, little f/c Sand, mod. plastic, moist (CL-Till)
S-9 : 23.0'- 23.2'	50+	0	Same as S-8 (No Recovery)

Depth to Bottom of Hole: 23.2 feet

Logged by: E. Zinni

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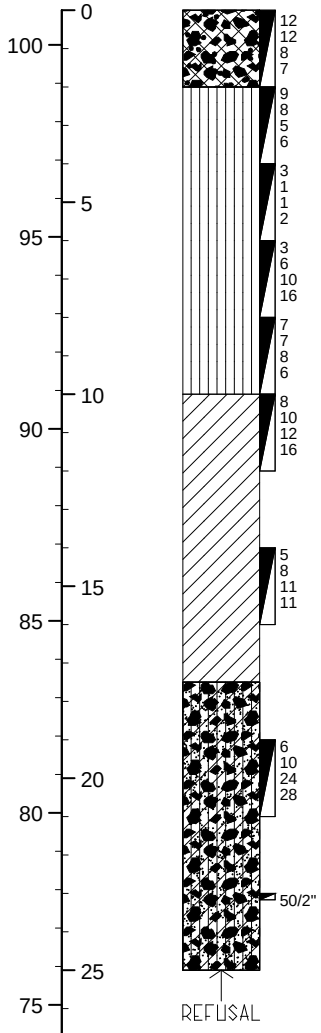
TEST BORING LOG

JOB No.: 23-522 **BORING No.:** B-7

PROJECT: Proposed Housing Development
235 River Road and 190 Main Street, North Tonawanda, Niagara Co., NY 14120

DRILLER:	W. Arnold	**TYPE OF DRILL RIG:**	CME-75
SAMPLING METHODS:	ASTM D1586	**SIZE AND TYPE OF BIT:**	2 1/4" I.D. H.S.A.
DATE STARTED:	3/9/23	**SURFACE ELEVATION (ft.):**	100.9
DATE COMPLETED:	3/9/23	**GROUNDWATER DEPTH (ft.):** (measured at completion unless indicated below)	None



Sample No. : Range	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
S-1 : 0.0'- 2.0'	20	50	Dk. brown, m. dense sand to gravel sized Rock fragments, tr. Asphalt, tr. Slag, wet (GW-Fill)
S-2 : 2.0'- 4.0'	13	50	Brown, stiff SILT, some f. Sand, little Clay, tr. Gravel, non-plastic, moist (ML)
S-3 : 4.0'- 6.0'	2	75	...grade: soft, wet
S-4 : 6.0'- 8.0'	16	75	...grade: v. stiff
S-5 : 8.0'- 10.0'	15	75	...grade: Gray
S-6 : 10.0'- 12.0'	22	75	Gray, v. stiff CLAY, some Silt, little f/c Sand, tr. Gravel, mod. plastic, moist (CL)
S-7 : 14.0'- 16.0'	19	60	Same as S-6
S-8 : 19.0'- 21.0'	34	75	Gray, hard CLAY, and SILT, little Gravel, little f/c Sand, sl. plastic, moist (CL/ML-Till)
S-9 : 23.0'- 23.2'	50+	5	Same as S-8
			Depth to Bottom of Hole: 25.0 feet

Logged by: E. Zinni

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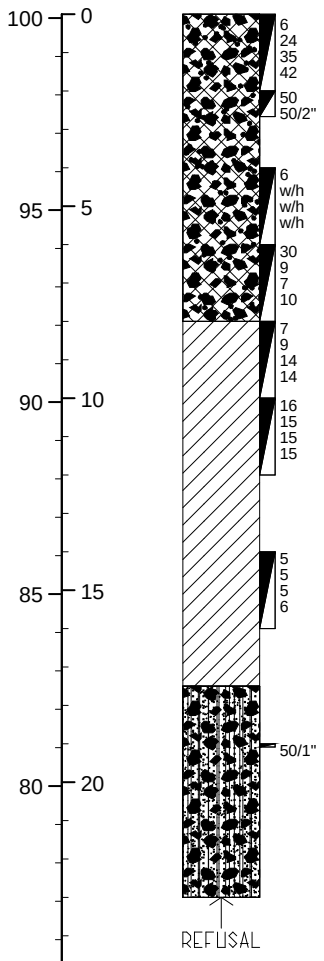
TEST BORING LOG

JOB No.: 23-522 **BORING No.:** B-8

PROJECT: Proposed Housing Development
235 River Road and 190 Main Street, North Tonawanda, Niagara Co., NY 14120

DRILLER:	W. Arnold	**TYPE OF DRILL RIG:**	CME-75
SAMPLING METHODS:	ASTM D1586	**SIZE AND TYPE OF BIT:**	2 1/4" I.D. H.S.A.
DATE STARTED:	3/10/23	**SURFACE ELEVATION (ft.):**	100.1
DATE COMPLETED:	3/10/23	**GROUNDWATER DEPTH (ft.):** (measured at completion unless indicated below)	None



Elevation/ Depth (feet)	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
		S-1 : 0.0'- 2.0'	59	65	Brown, v. dense sand to gravel sized Rock fragments, little Concrete, tr. Brick, moist (GW-Fill)
		S-2 : 2.0'- 2.7'	50+	25	Same as S-1
		S-3 : 4.0'- 6.0'	1	0	...grade: v. loose (No Recovery)
		S-4 : 6.0'- 8.0'	16	25	...grade: Dk. brown, m. dense, wet
		S-5 : 8.0'- 10.0'	23	0	Gray, v. stiff CLAY, some Silt, little f/c Sand, tr. Gravel, mod. plastic, moist (CL) *(Driller took auger cuttings)*
		S-6 : 10.0'- 12.0'	30	75	Same as S-5
		S-7 : 14.0'- 16.0'	10	5	...grade: stiff, wet
		S-8 : 19.0'- 19.1'	50+	5	Gray, hard CLAY, some Silt, little Gravel, little f/c Sand, mod. plastic, wet (CL-Till)
					Depth to Bottom of Hole: 23.0 feet

Logged by: E. Zinni

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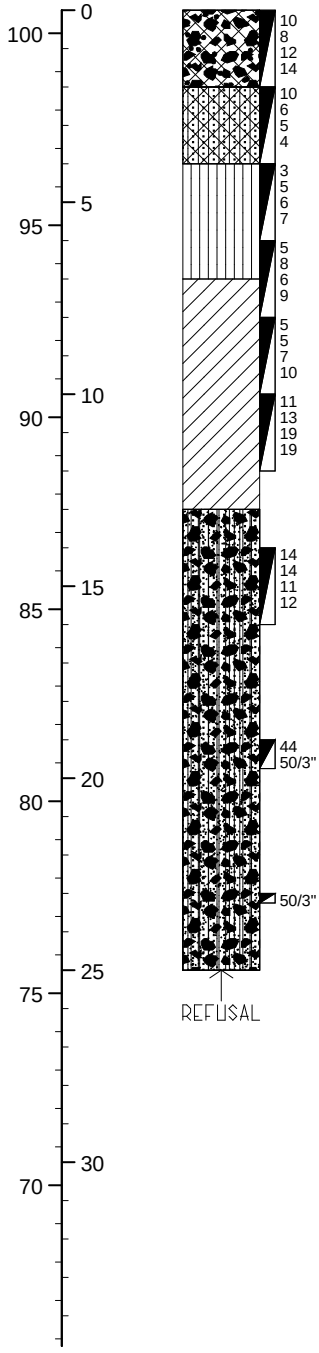
TEST BORING LOG

JOB No.: 23-522 **BORING No.:** B-9

PROJECT: Proposed Housing Development
235 River Road and 190 Main Street, North Tonawanda, Niagara Co., NY 14120

DRILLER:	W. Arnold	**TYPE OF DRILL RIG:**	CME-75
SAMPLING METHODS:	ASTM D1586	**SIZE AND TYPE OF BIT:**	2 1/4" I.D. H.S.A.
DATE STARTED:	3/9/23	**SURFACE ELEVATION (ft.):**	100.6
DATE COMPLETED:	3/9/23	**GROUNDWATER DEPTH (ft.):** (measured at completion unless indicated below)	None



Sample No. : Range	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
S-1 : 0.0'- 2.0'	20	50	Dk. brown, m. dense sand to gravel sized Rock fragments, tr. Asphalt, tr. Slag, moist (GW-Fill)
S-2 : 2.0'- 4.0'	11	50	Dk. brown, m. dense f. SAND, some Silt, little Clay, tr. Gravel, tr. Asphalt, sl. plastic, moist (SM-Fill)
S-3 : 4.0'- 6.0'	11	50	Brown, stiff SILT, some f. Sand, little Clay, tr. Gravel, non-plastic, wet (ML)
S-4 : 6.0'- 8.0'	14	80	Same as S-3
S-5 : 8.0'- 10.0'	12	50	Brown, stiff CLAY, some Silt, little f/c Sand, tr. Gravel, mod. plastic, moist (CL) ...grade: Gray
S-6 : 10.0'- 12.0'	32	50	...grade: hard
S-7 : 14.0'- 16.0'	25	50	Gray, v. stiff CLAY, and SILT, little Gravel, little f/c Sand, sl. plastic, moist (CL/ML-Till)
S-8 : 19.0'- 19.8'	50+	15	...grade: hard
S-9 : 23.0'- 23.3'	50+	5	Same as S-8
			Depth to Bottom of Hole: 25.0 feet

Logged by: E. Zinni

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APPENDIX B

GEOTECHNICAL REFERENCE STANDARDS

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Column Header Descriptions

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TEST BORING LOG

JOB No.: BORING No.:

PROJECT:

EXAMPLE

DRILLER:
SAMPLING METHODS:
DATE STARTED:
DATE COMPLETED:

TYPE OF DRILL RIG:
SIZE AND TYPE OF BIT:
SURFACE ELEVATION (ft.):
GROUNDWATER DEPTH (ft.):
(measured at completion unless indicated below)

Elevation/ Depth (feet)	Soil Symbols Sampler Symbols Field Test Data	Sample No. : Range	N-Value	% REC (RQD)	Soil and Rock Description / Remarks
100 — 0	1 1 1 2 / 6 8 11 14	S-1 : 0.0'- 2.0'	2	50	Dk. brown, soft, CLAY, some Silt, little f. Sand, tr. Gravel, tr. Roots, tr. Organic matter, mod. plastic, wet (CL)
		S-2 : 2.0'- 4.0'	19	50	Brown, m. dense f. SAND, some Silt, tr. Gravel, tr. Clay, tr. Roots, non-plastic, moist (SM)

Elevation/Depth: The depth column provides the vertical scale of the boring log in feet below ground surface.

Sample No. : Range: Disturbed samples are identified with “S” preceding the sample number. Undisturbed (Shelby-tube) samples are identified with “U” preceding the sample number. Rock core samples identified with “C” preceding the core run. The range of elevation/depth where the sample was taken is identified in one-tenth foot increments.

N-value: The Standard Penetration Test N-value, as specified by ASTM D1586, is defined as the number of blows required by a 140-pound hammer falling 30 inches, each blow, to drive a 2-in outside diameter split-spoon sampler 12 inches.

% REC (RQD): “Percent Recovery” is the length of samples recovered divided by the total length sampled. The result is numerically expressed as a percent. The Rock Quality Designation (RQD) is the total length of places >4 inches divided by the total length of core run.

Soil and Rock Description / Remarks: This column denotes the exact depth of recovery and general documentation of drilling efforts. Description and classification are based on visual inspection of samples and boring operations. The stratum lines shown on the boring logs are based upon interpretation and may not represent precise subsurface conditions. Water-level readings have been made in the drill holes at time under conditions stated on the boring logs. Fluctuations in the water level may occur due to other factors than those present the time measurement was taken. See attached sheet.

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Soil and Rock Description / Remarks: Terminology Used for Soil Description

Density Description of Granular Soil

Number of Blows per ft., N	*Relative Density*
0 - 4	Very Loose
4 - 10	Loose
10 - 30	Medium
30 - 50	Dense
Over 50	Very Dense

Abbreviations Used in Soil Sample Classification

f - fine	v - very
m - medium	gr - gray
c - coarse	bn - brown
f/m - fine to medium	yel - yellow
f/c - fine to coarse	sl - slight
tr - trace	dk - dark

Consistency Description of Cohesive Soil

Number of Blows per ft., N	*Consistency*
Below 2	Very Soft
2 - 4	Soft
4 - 8	Medium
8 - 15	Stiff
15 - 30	Very Stiff
Over 30	Hard

Bedding

Parting	Less than 0.02 ft.
Band	0.02 - 0.2 ft.
Thin bed	0.2 - 0.5 ft.
Medium bed	0.5 - 1.0 ft.
Thick bed	1.0 - 2.0 ft.
Massive	Over 2.0 ft.

Grain Size

	Passing / Retained on
Boulder	LARGE / 12-in sieve
Cobble	12-in / 3-in sieve
Gravel	3-in sieve / No. 4 sieve
	No. 4 sieve / No. 10 sieve
Sand	No. 10 sieve / No. 40 sieve
	No. 40 sieve / No. 200 sieve
Silt	No. 200 sieve / 0.005 mm sieve
Clay	Smaller than 0.005 mm

Hardness

Very Soft or Plastic	Can be indented with thumb
Soft	Can be scratched with fingernail
Moderately Hard	Can be scratched with knife
Hard	Difficulty to scratch with knife
Very hard	Cannot be scratched with knife

Percentage Terminology Used in Soil Classification

Trace	0 - 10 %	Some	20 - 35 %
Little	10 - 20 %	And	35 - 50 %

Moisture

Dry	Absence of moisture, dusty, dry to the touch.
Moisture	Small quantity of moisture. Soil usually above groundwater level.
Wet	Moisture noticeable to the touch. Soil may be below groundwater level.
Saturated	Visible free water, usually soil is below groundwater level.

Plasticity

Non-plastic	An 1/8-in thread cannot be rolled at any water content.
Slight plasticity	Thread can be barley rolled.
Moderate plasticity	Thread is easy to roll and little time is required to reach the plastic limit (PL).
Plasticity	Considerable time is required to reach PL. Thread can be re-rolled several times after reaching the PL.

Crystallinity or Texture

Dense	Crystals are to small they cannot be distinguished with the naked eye.
Very Fine Crystalline	Crystals barely discernable with the naked eye.
Crystalline	Crystals are medium size, up to 1/8-in diameter.
Very Coarsely Crystalline	Crystals larger than 1/8-in diameter.

Voids

Porous	Smaller than pinhead. Their presence is indicated by the degree of absorbency.
Pitted	Pinhead size to 1/4 in. If thin walls separate the individuals pits, the core may be described as honeycomb.
Vug	1/4 inch to the diameter of the core. The upper limit will vary with core size.
Cavity	Larger than the diameter of the core.

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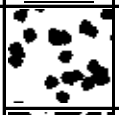
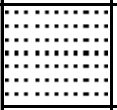
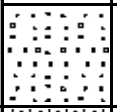
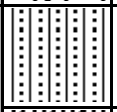
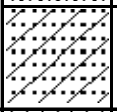
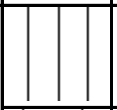
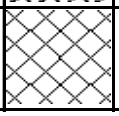
Soil Classification Chart: Unified Soil Classification System (USCS)

Major Divisions			Pattern	USCS ID	Typical Descriptions
Coarse-Grained Soils: More than 50% of material larger than No. 200 sieve	**Gravels**: More than 50% of coarse fraction larger than No. 4 sieve	Clean Gravels (little or no fines)		GW	Well-graded gravels, gravel-sand mixtures, little or no fines
				GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines
		Gravels with appreciable amounts of fines		GM	Silty gravels, gravel-sand-silt mixtures
				GC	Clayey gravels, gravel-sand-silt mixtures
	Sands: Less than 50% of coarse fraction larger than No. 4 sieve	Clean sands (little or no fines)		SW	Well-graded sands, gravelly sands, little or no fines
				SP	Poorly-graded sands, gravelly sands, little or no fines
		Sand with appreciable amount of fines		SM	Silty sands, silt-sand mixtures
				SC	Clayey sands, sand-clay mixtures
Fine-Grained Soils: Less than 50% of material larger than No. 200 sieve	**Silts and Clays, Low plasticity**: Liquid Limit < 50%			ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
				CL	Inorganic clays of low to medium plasticity, gravely clays, sandy clays, silty clays, lean clays
				OL	Organic silts and organic silty clays of low plasticity
	Silts and Clays, High plasticity: Liquid Limit > 50%			MH	Inorganic silts, micaceous or diatomaceous fine sand or silty soils
				CH	Inorganic clays of high plasticity, fat clays
				OH	Organic clays of medium to high plasticity, organic silts
Highly Organic Soils				Pt	Peat, humus, swamp soils with organic contents
Miscellaneous Fill				FILL	Miscellaneous fill may belong in any division but is identified as FILL

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APPENDIX C

LABORATORY SOIL TEST RESULTS

BARRON & ASSOCIATES, P.C.
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B&A JOB NO: 23-522
CLIENT: APR Holdings, LLC
PROJECT: Proposed Housing Development
235 River Road and 190 Main Street
North Tonawanda, Niagara Co., NY 14120

TABLE NO. 1
LABORATORY PHYSICAL SOIL TEST RESULTS

Boring No.	Sample No.	Depth	Moisture Content ASTM D2216	Organic Matter Content ASTM D2974	Unconfined Compressive Strength ASTM D2166	Wet Density ASTM D2166	Grain Size Analysis ASTM D422				Atterberg Limits ASTM D4318			USCS Soil Classification ASTM D2487 / ASTM D2488 *
							Gravel	Sand	Silt	Clay	LL	PL	PI	
		(ft.)	(%)	(%)	(psf)	(pcf)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(-)
B-2	S-1	0.25-2	14.1	-	-	-	-	-	-	-	-	-	-	GW-Fill
	S-2	2-4	21.8	-	-	-	-	-	-	-	-	-	-	CL-Fill
	S-3	4-6	24.9	-	-	-	-	-	-	-	-	-	-	CL
	S-4	6-8	23.4	-	-	-	-	-	-	-	59	26	33	CL
	S-5	8-10	37.7	-	-	-	-	-	-	-	-	-	-	CL
	S-6	10-12	40.5	-	-	-	-	-	-	-	-	-	-	CL
	S-7	14-16	43.9	-	-	-	-	-	-	-	-	-	-	CL
	S-8	19-21	12.6	-	-	-	-	-	-	-	-	-	-	CL/ML-Till
	S-9	23-25	5.5	-	-	-	-	-	-	-	-	-	-	CL/ML-Till
	S-10	29-31	9.6	-	-	-	-	-	-	-	-	-	-	CL/ML-Till
	S-11	33-35	8.2	-	-	-	-	-	-	-	-	-	-	CL/ML-Till
	S-12	39-41	-	-	-	-	-	-	-	-	-	-	-	NO RECOVERY
	S-13	43-45	8.5	-	-	-	-	-	-	-	-	-	-	CL/ML-Till
B-5	S-1	0-2	6.0	-	-	-	-	-	-	-	-	-	-	GW-Fill
	S-2	2-4	10.3	-	-	-	-	-	-	-	-	-	-	GW-Fill
	S-3	4-6	21.5	-	-	-	0.1	25.3	56.5	18.1	-	-	-	ML
	S-4	6-8	23.2	-	-	-					-	-	-	ML
	S-5	8-10	22.2	-	-	-	-	-	-	-	-	-	-	ML
	S-6	10-12	18.0	-	-	-	-	-	-	-	-	-	-	CL
	S-7	14-16	28.6	-	-	-	-	-	-	-	-	-	-	CL
	S-8	19-21	7.0	-	-	-	-	-	-	-	-	-	-	CL/ML-Till
	S-9	23-25	7.9	-	-	-	-	-	-	-	-	-	-	CL/ML-Till

* Soil classification based on visual identification and soil classification of adjacent samples (as applicable).

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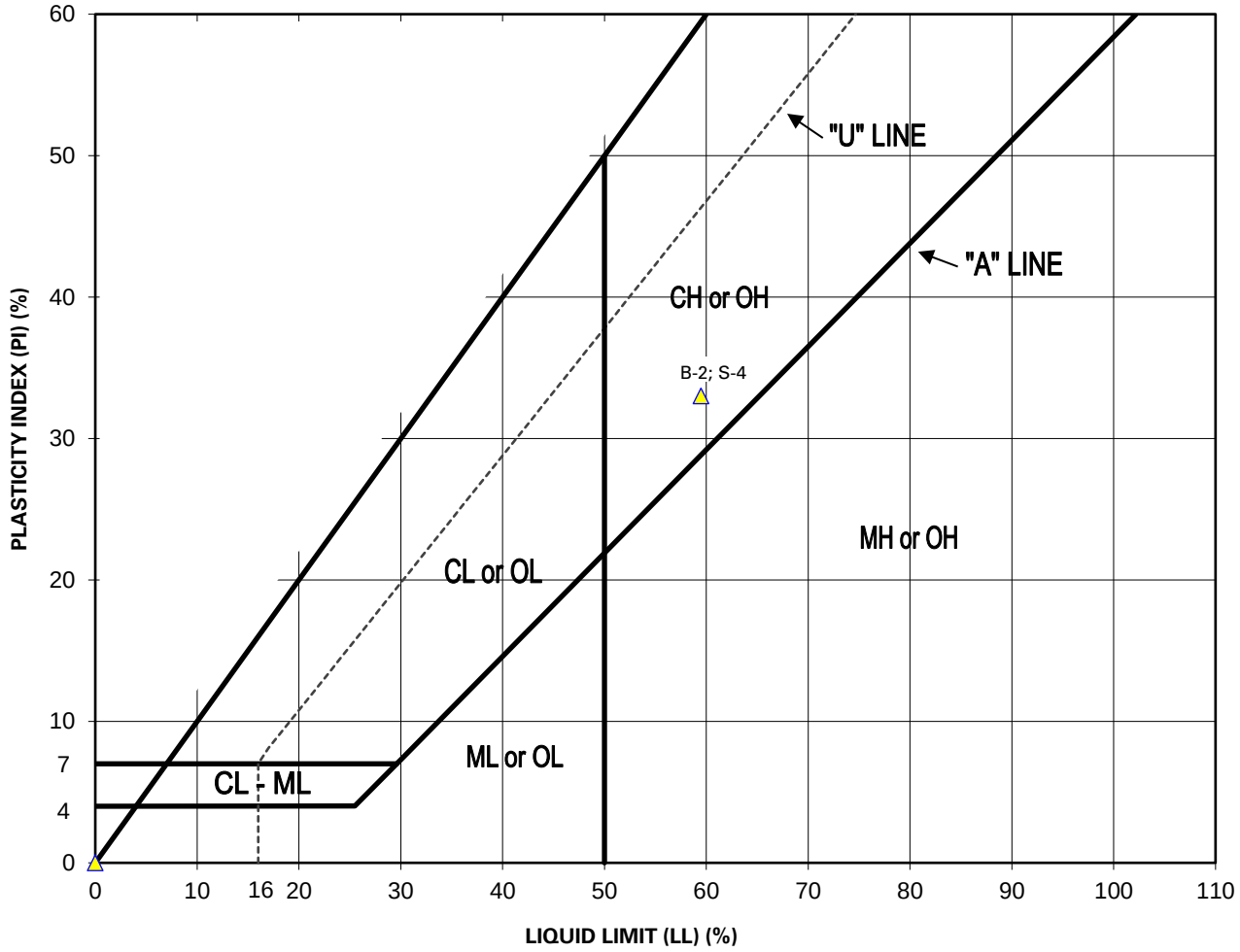
Job No: 23-522
Project: Proposed Housing Development
235 River Road and 190 Main Street
North Tonawanda, Niagara Co., NY 14120

Plasticity Chart

ASTM D4318 & D2487



Boring No.	Sample No.	Depth (ft.)	LL (%)	PL (%)	PI (%)
B-2	S-4	6-8	59	26	33

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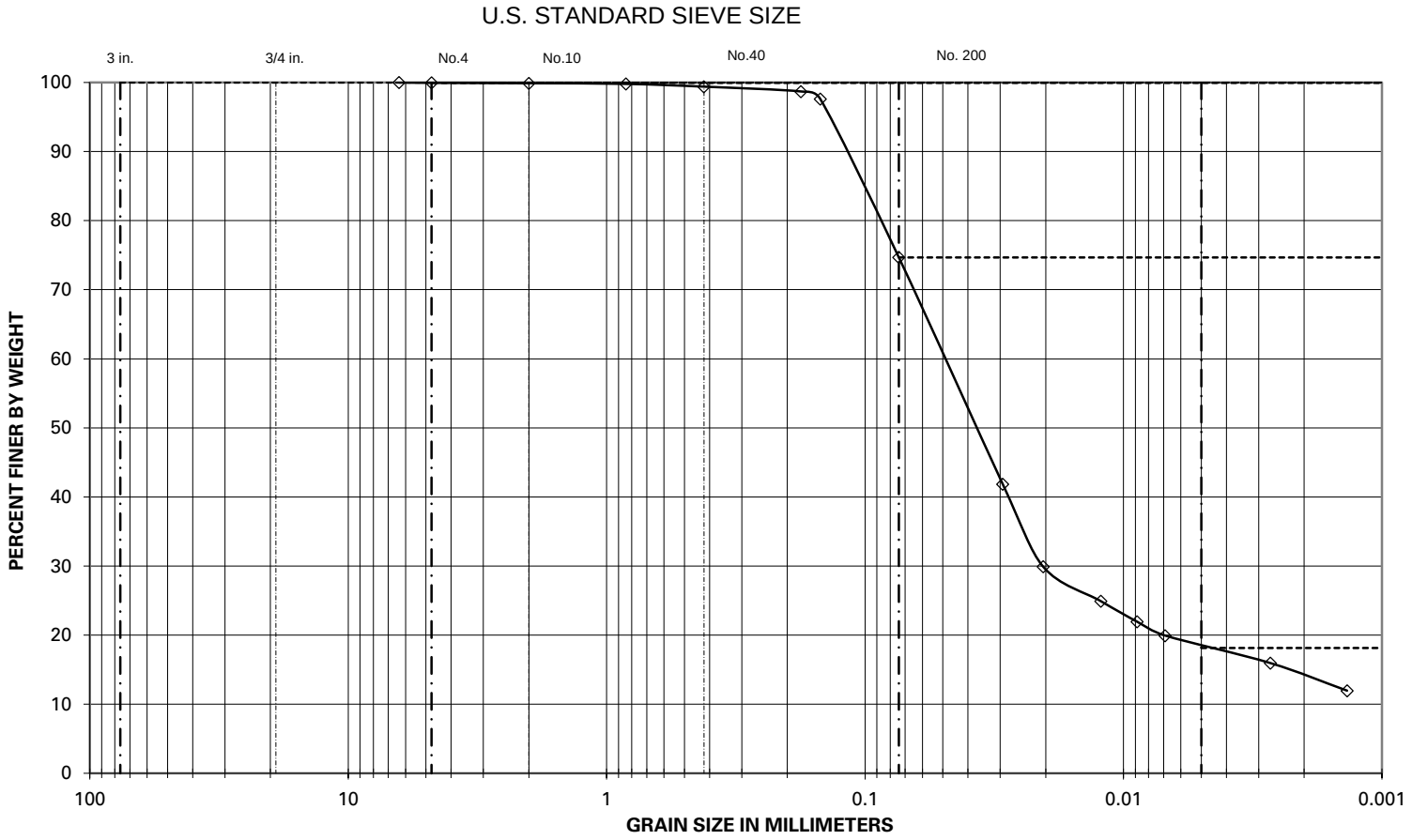
GRAIN SIZE ANALYSIS ASTM D-421/D-422

C_C= N/A **C_U= N/A** **LL= NA** **PL= NA** **PI= NA** **USCS= ML**



0.1 % Gravel

D_{60}= 0.0450

25.3 % Sand

D_{30}= 0.0205

56.5 % Silt

D_{10}= N/A

18.1 % Clay

COBBLES	GRAVEL		SAND			SILT	CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE		

Date Tested: March 22, 2023 **Boring No.: B-5** **Sample No.: S-3 to S-4** **Depth: 4 to 8 ft.**

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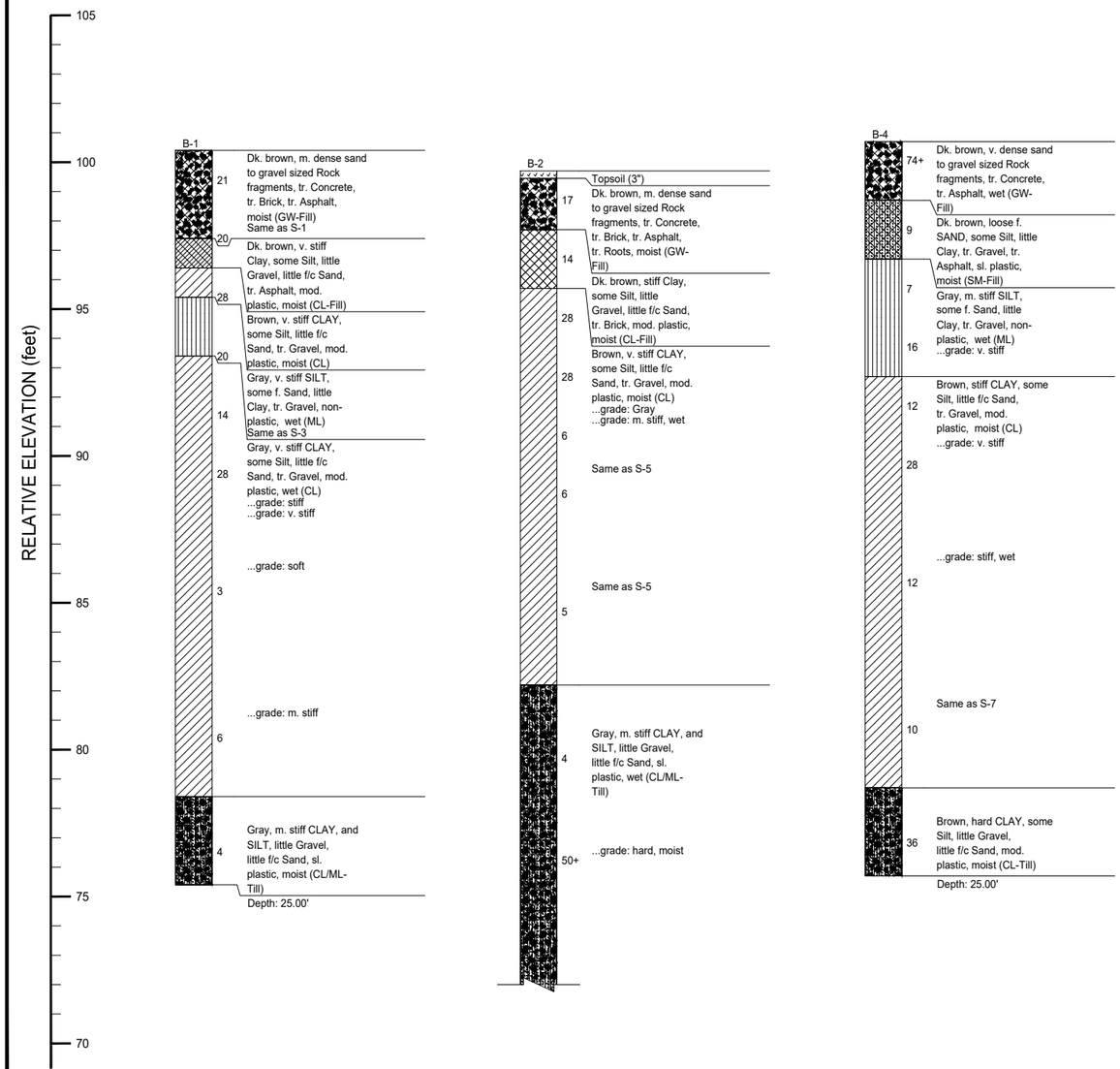
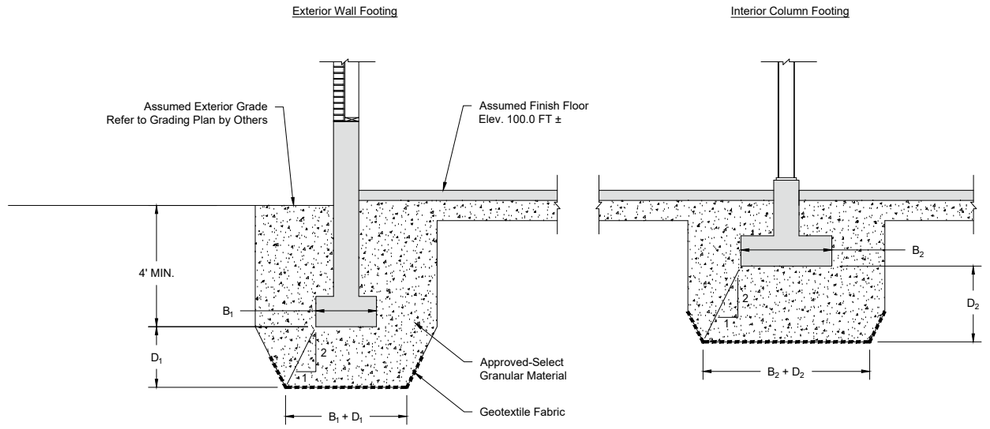
APPENDIX D

ENGINEERING COMPUTATIONS AND SCHEMATICS

"PROFILE OF BORING"





NOTES:

- Install Foundations per Architect or Structural Engineer.
- Adhere to Building Code of New York State.
- Elevations are relative to Bench Mark established in field. Please refer to Test Boring Location Plan.
- Bear footings on stable, natural, hard soils (N-values > 30 blows) or with approved select granular fill undercut, placed in loose lifts no greater than 12 inches thick and compacted to 95% of maximum-dry density as per ASTM D1557.
- Undercuts likely required.
- Bearing Grades should be approved by a qualified inspector, during construction.
- On Above Conditions: USE Q_{ALLOW} = 2,500 PSF

Well graded gravel | Clay fill | Low plasticity clay | Silt | Topsoil | Natural till | Granular fill | Boring continues | Sand fill | Drill rejection (ACTUAL)

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PROJECT: Proposed Housing Development
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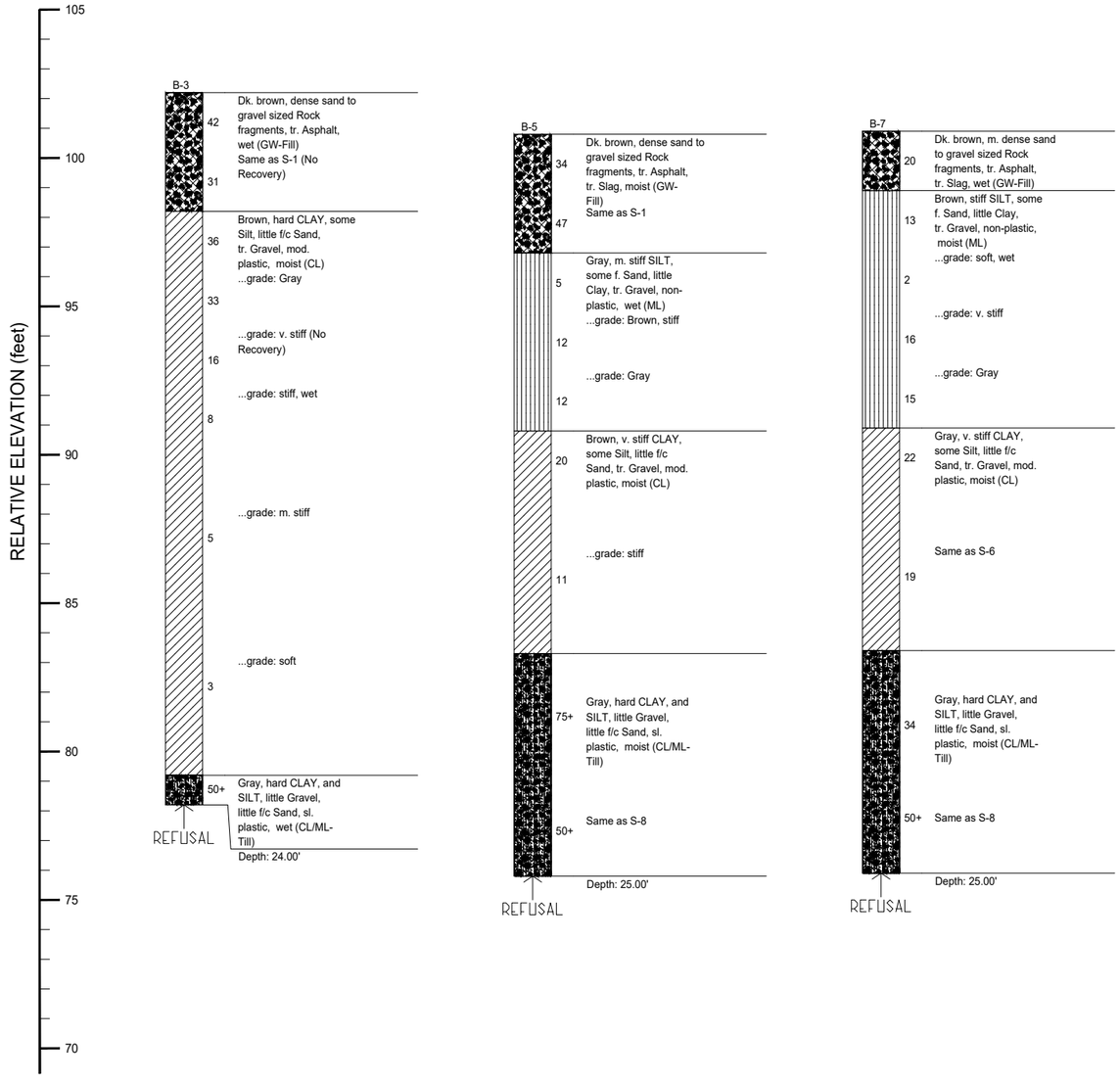
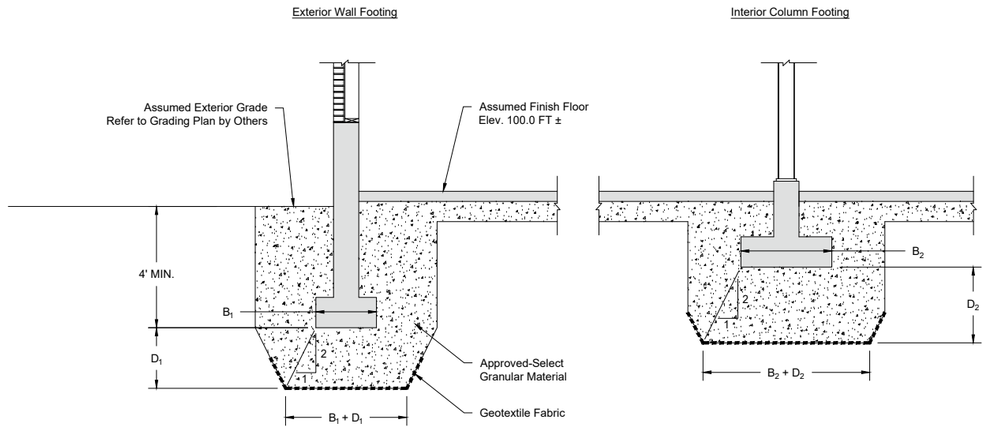
DATE: 03/22/2023
BY: J. Colletti
SCALE: 1" = 5'

JOB NO.: 23-522
PAGE NO.: 2 of 4

"PROFILE OF BORING"





NOTES:

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- Bear footings on stable, natural, hard soils (N-values > 30 blows) or with approved select granular fill undercut, placed in loose lifts no greater than 12 inches thick and compacted to 95% of maximum-dry density as per ASTM D1557.
- Undercuts likely required.
- Bearing Grades should be approved by a qualified inspector, during construction.
- On Above Conditions: USE Q_{ALLOW} = 2,500 PSF

Well graded gravel | Clay fill | Low plasticity clay | Silt | Topsoil | Natural till | Granular fill | Boring continues | Sand fill | Drill rejection (REFUSAL)

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PROJECT: Proposed Housing Development
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DATE: 03/22/2023
BY: J. Colletti
SCALE: 1" = 5'
JOB NO.: 23-522
PAGE NO.: 1 of 4

235 River Rd & 190 Main St, North Tonawanda

Latitude, Longitude: 43.0274, -78.8792

Date	4/7/2023, 12:24:45 PM
Design Code Reference Document	ASCE7-16
Risk Category	II
Site Class	D - Stiff Soil

Type	Value	Description
S_S	0.165	MCE_R ground motion. (for 0.2 second period)
S_1	0.045	MCE_R ground motion. (for 1.0s period)
S_{MS}	0.264	Site-modified spectral acceleration value
S_{M1}	0.107	Site-modified spectral acceleration value
S_{DS}	0.176	Numeric seismic design value at 0.2 second SA
S_{D1}	0.071	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	B	Seismic design category
F_a	1.6	Site amplification factor at 0.2 second
F_v	2.4	Site amplification factor at 1.0 second
PGA	0.092	MCE_G peak ground acceleration
F_{PGA}	1.6	Site amplification factor at PGA
PGA_M	0.147	Site modified peak ground acceleration
T_L	6	Long-period transition period in seconds
SsRT	0.165	Probabilistic risk-targeted ground motion. (0.2 second)
SsUH	0.172	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
SsD	1.5	Factored deterministic acceleration value. (0.2 second)
S1RT	0.045	Probabilistic risk-targeted ground motion. (1.0 second)
S1UH	0.048	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S1D	0.6	Factored deterministic acceleration value. (1.0 second)
PGAd	0.5	Factored deterministic acceleration value. (Peak Ground Acceleration)
PGA_{UH}	0.092	Uniform-hazard (2% probability of exceedance in 50 years) Peak Ground Acceleration
C_{RS}	0.958	Mapped value of the risk coefficient at short periods
C_{R1}	0.934	Mapped value of the risk coefficient at a period of 1 s
C_V	0.7	Vertical coefficient

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LATERAL EARTH PRESSURE ON GENERIC BLOCK FOUNDATIONS FOR SIGNS, FREE-STANDING RETAINING WALLS, OR BELOW GRADE/BASEMENT/TANK/POOL RETAINING WALLS (Less Than 20 Feet High)

a) Porous filter media, in contact with the basement/below grade foundation wall or retaining walls, protects and is in contact with a minimum 4 inch diameter perforated drainage pipes at the footing/base of the foundation/structural wall (exterior backfill side and interior basement side) and/or weep pipes through the wall, as needed and as applicable.

b) Where recommended, a geotextile filter fabric will protect the gravel filter media from the earth backfill. Overlap unsewn seams as per the manufacturer's recommendations.

c) Waterproof earth side of wall, as is customarily provided in practice.

d) Drainage pipes are connected to an appropriately designed collector pipe, conveyance, and/or sump pump system as is applicable for the intended purpose of the wall and as customarily provided/installed in practice.

e) For potential groundwater table conditions above the top of the basement slab-on-grade condition, install continuous waterstops (with no joints in stop) at wall and floor construction joints, as is customarily provided in practice. Interior intermediate drainage pipes beneath the slab, that are spaced on-center and in both directions, do appear to be needed.

f) Assume a uniformly graded, clean coarse sand or sandy gravel backfills:

* equivalent N-value in a dense state: $(N_1)_{60}$ = 40 blows/foot
* friction angle: ϕ' = 38 degrees {Teng, pg. 12}
* average in-place densities: moist - γ_m = 120 pcf
  saturated - γ_{sat} = 132 pcf submerged - $\gamma' = (\gamma_{sat} - \gamma_w)$ = 70 pcf

g) Assume at base of wall/footing, coefficient of friction against sliding (f_s) at base of wall (Refer to Teng, pg. 320-1):

f_s = $\tan(0.58 \times \phi') = 0.40$ (AREA silty soil to silty coarse-grained soil)

h) Use equivalent fluid pressure design approach {Hough, pg. 249 and NAVFAC pg. 7-10-9}:

* at rest pressure coefficient - K_0 = $1 - \sin(\phi')$ = 0.38
* effective lateral pressure of soil - γ'_l = $K_o \times \gamma'$ = 26.6 pcf
* hydrostatic pressure - γ_w = 62.4 pcf
* equivalent fluid pressure with water level at the top of the grade at the wall - γ_{eo} = $\gamma'_l + \gamma_w$ = 89 pcf (say 90 pcf)
* equivalent fluid pressure with compaction induced lateral stress increase (W&F, pg 409) - γ_{eo} = $2 \times K_o \times \gamma_m$ = 91 pcf (say 90 pcf)
* active pressure case - K_a = $[1 - \sin(\phi')] / [1 + \sin(\phi')]$ = 0.24
  γ_{ea} = $K_a \times \gamma_m$ = 29 pcf (say 30 pcf)
* passive pressure case - K_p = $[1 + \sin(\phi')] / [1 - \sin(\phi')]$ = 4.2
  γ_{ep} = $K_p \times \gamma_m$ = 504 pcf (say 330 pcf with a F.S. = 1.5)

		Thoroughly Compacted ⇒⇒		Uniformly Graded & Clean Coarse Sand or Sandy Gravel Fill	Non-Plastic Silty Sand or Sandy Silt Fill	
USE:	Earth Pressure Coefficient	Static Active	=	0.24	0.33	
		Static At-Rest	=	0.76	1.00	
		Static Passive	=	2.80	2.00	(with F.S. = 1.5)
		Static Passive	=	4.20	3.00	(with F.S. = 1.0)
USE:	Equivalent Fluid Pressure	Static Active	=	30 pcf		
		Static At-Rest	=	90 pcf (for rigid walls)		
		Static Passive	=	330 pcf (with F.S. = 1.5)	[500 pcf with (with F.S. = 1.0)]	

[For earthquakes, structural engineer may elect to use the above Static Passive case instead of the below Earthquake Lateral Load for Non-Yielding Wall movement into the soil backfill.]

USE: Simplified Model for Earthquake Lateral Load/Ft. Wall Length @ 0.6 H_{bw} above base. Loads for Non-Yielding Wall. H_{bw} = Earth Height Behind Wall (feet)

Reduce load by 33% for Yielding Wall (active case) = (6.8 psf / foot) x H_{bw}^2 (NYS, S_{ds} = 0.25 g)

(γ_m = 120 pcf for S_{ds} value. Add to Static At Rest/ Active Pressure/Load for unsaturated backfill case) = (13.5 psf / foot) x H_{bw}^2 (NYS, S_{ds} = 0.50 g)

= (17.5 psf / foot) x H_{bw}^2 (NEern NYS, $S_{ds} \leq 0.65$ g)

[Above for Site Class C to E soils. Interpolate for other S_{ds} values.

Use 1.75 x values for walls on Class B/A rock or on rigid foundation base. (FEMA NEHRP Guidelines)]

Saturated/Liquified Soil During Earthquake = 132 pcf

(Equivalent Fluid Pressure. Add to inertial hydrodynamic pressure, not presented here.)

{For looser/denser backfills, adjust above pressures by the ratio = new density / 120 pcf or / 132 pcf (for saturated case)}

USE:	Coefficient of Friction Against Sliding (f_s)	=	0.45 (on compacted NYSDOT Item #304.12 or #304.14 gravels)
	(use lowest f_s with no underlying weaker layers)	=	0.35 (on compacted granular soil & non-plastic silt)
		=	0.20 (slab-on-grade on polyethylene on granular fill)
	[with a F.S. = 1.0]	=	0.60/0.50 (on clean, rough, & sound bedrock/smooth bedrock)
	Min. Factor of Safety Against Sliding	=	1.5

[Rev.9-30-09]

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APPENDIX E

GENERAL EARTHWORK SPECIFICATIONS

BARRON & ASSOCIATES, P.C.
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GENERAL EARTHWORK SPECIFICATIONS

1. GENERAL

1.1. SITE AND SUBSURFACE CONDITIONS

1.1.1. Overview

This specification is included as a courtesy to the clients of *Barron & Associates, PC* and addresses earthwork site preparation. Additions and modifications are necessary to create a job-specific specification. This specification may serve as a basis for the development for a technical specification under Division 31 (Earthwork) and Division 32 (Exterior Improvements).

1.1.2. Site Conditions

The site-specific conditions are described under separate cover or may be available from the OWNER.

1.1.3. Subsurface Conditions

The site-specific subsurface conditions are described under separate cover or may be available from the OWNER.

1.2. REFERENCES

1.2.1. American Standard for Testing and Measurement (ASTM)

- ASTM C136 Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates
- ASTM D6938 Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)
- ASTM D7928 Standard Test Method for Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis
- ASTM D1140 Standard Test Methods for Determining the Amount of Material Finer than 75-µm (No. 200) Sieve in Soils by Washing
- ASTM D1557 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3 (2,700 kN-m/m^3))
- ASTM D2216 Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
- ASTM D2487 Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)

- ASTM D4318 Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
- ASTM D1883 Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soils

1.2.2. Other

- 2018 International Building Code (IBC)
- 2020 Building Code of New York State
- 2020 Residential Code of New York State
- 2021 MasterSpec

1.3. DEFINITIONS

1.3.1. Unacceptable Material

Soil material containing debris, wood, scrap material, vegetation, refuse, soft unsound particles, and other organic, frozen, deleterious, or objectionable materials. Contaminated soils shall be properly documented and removed or remediated on site. If necessary, remediation procedure will be defined by the OWNER.

1.3.2. Unsuitable Material

Brown, organic topsoil and underlying soft pockets of organic silt or wet, reworked silty clay.

1.3.3. Ordinary Fill

Friable soil containing no stone greater than two-thirds loose lift thickness and no unacceptable or unsuitable materials. In general, existing random fill is expected to be acceptable for reuse as ordinary fill given proper sorting, blending, drying, and controlled placement methods.

1.3.4. Granular Fill

Ordinary fill meeting the designation of ASTM D2487 classification of GW with a maximum of 10 percent by weight passing ASTM D1140, No. 200 sieve.

1.3.5. Select Granular Fill

Clean, uncoated soil which contains no unacceptable materials and conforms to the gradation requirements defined in Table A: Select Granular Fill.

Table A: Select Granular Fill

Sieve Size	Percent Finer by Weight
⅔ of the loose lift thickness	100
No. 10	30 - 95
No. 40	10 - 70
No. 200	0 - 15

1.3.6. Sand and Gravel

Clean, hard, durable, uncoated particle of sand and gravel, free from lumps of clay, containing no unacceptable matter, and conforming to gradation requirements of Table B: Sand and Gravel.

Table B: Sand and Gravel	
Sieve Size	Percent Finer by Weight
*	100
No. 4	50 - 85
No. 10	
No. 40	10 - 35
No. 100	
No. 200	0 - 8

* Job-Specific. To be determined by the ENGINEER

1.3.7. Crushed Stone

Clean, durable, sharp-angled fragments of rock or crushed gravel stone of uniform quality, containing no unacceptable matter, free from coatings, and conforming to gradation requirements of Table C: Crushed Stone.

Table C: Crushed Stone		
Sieve Size	Percent Finer by Weight	
	¾-inch Stone	1 ¼-inch Stone
1 ½-inch		100
1 ¼-inch		85 - 100
1-inch	100	
¾-inch	90 - 100	10 - 40
⅝-inch		
½-inch	10 - 50	0 - 8
⅜-inch	0 - 20	
No. 4	0 - 5	

1.3.8. Flowable Fill

Also known as Controlled Low Strength Material – Controlled Density Fill (CLSM-CDF), this material is available under a variety of producer names (e.g., K-Krete©, M-Crete, Flash Fill©, Flowable Mortar, Unshrinkable Fill, etc.). This non-settling backfill mixture is most commonly used for its flowable characteristics, its support strength under traffic loads, and its removability at a later date. The material may be produced on-site or off-site. In either case, the producer

of such materials and the product must meet certain certification criteria. Such information is beyond the scope of this specification and will be considered on a site-specific basis.

Flowable fill may be acceptable for use as a backfill for utility trenches of other low-lying areas which require a compacted granular fill. Its use and warranty of performance is left to the CONTRACTOR in such applications.

The use of flowable fill under load-bearing structural components in place of properly placed and compacted granular fill is NOT common and is questionable. The localized use of such material may have profound effects on the performance of a foundation system. Site-specific conditions and the extent of anticipated use of flowable fill must be examined by geotechnical engineer. Cost of such consultation shall be borne by the CONTRACTOR unless specifically directed by the OWNER to seek such consultation. Without such consultation, warranty of performance for such use is left to the CONTRACTOR.

1.4. SUBMITTALS

The following submittals shall be provided in accordance with approved submittals procedures.

(1) Fill Source: Provide name and source locations of fill material.

(2) Field Test Reports: Field tests will be performed by OWNER's Representative as needed. CONTRACTOR may be required to perform such tests on proposed off-site fill materials.

(a) Fill material grain size analyses per ASTM C136, D7928, D1140, D2487

(b) Moisture/Density test results per ASTM D2216

(c) Liquid limit, plastic limit, and plasticity index per ASTM D4318

(d) Compaction/Density test results per ASTM D6938 and D1557

(3) Sample: Geotextile fabric

2. PRODUCTS

Geotextile Fabric: Mirafi 600X or equal. (Also referred to as synthetic fabric).

3. EXECUTION

3.1. PROTECTION

3.1.1. General

Manner of excavation shall minimize disturbance of underlying natural ground. If deemed necessary by the Engineer, alter construction procedures to reduce subgrade disturbance.

Excavate areas which have been excessively disturbed to firm ground and backfill with properly compacted granular fill.

3.1.2. Roads and Walks

Keep roads and walks free of dirt and debris at all times.

3.1.3. Trees, Shrubs, and Existing Facilities

Protect from any damage all vegetation and facilities identified to remain.

3.1.4. Utility Lines

Locate all utilities within the area of disturbance prior to the start of work. Show locations on initial plans. Protect utility lines from damage. Notify the ENGINEER immediately of damage to or an encounter with an unknown utility. Damage to utility lines are to be repaired by the CONTRACTOR at no additional cost. The CONTRACTOR shall have underground utility owners stake out utility locations prior to the start of clearing and excavation operations.

3.2. VERIFICATION OF CONDITIONS / PROOF-ROLLING

Prior to placement of the initial layer of fill over the natural ground, proof-roll the exposed natural ground above the groundwater table elevation by making two passes with a fully-loaded ten-wheel truck. Excavate unstable areas detected by this process and replace with compacted granular fill.

3.3. PREPARATION

3.3.1. Surface Preparation

Within the site limits indicated on the drawings, excavate all unsuitable material to firm natural ground in the manner specified herein. Follow a construction procedure which permits visual identification of firm natural ground. In the even that groundwater is encountered, the ENGINEER may require that the size of the open excavation be limited to that which can be handled by open pumping to allow visual inspection of the excavation bottom and the performance of backfill operations to be conducted in a dry state.

Excavation of unsuitable material shall be limited to the greater of the following:

- A distance of 5 feet beyond building lines or
- The area defined by a one-horizontal to one-vertical line sloping down from the outside bottom edge of exterior footings to firm natural ground.

3.4. PLACEMENT AND COMPACTION

3.4.1. General

Place fill in accordance with Table D: Compaction Alternatives. These alternatives are provided as minimum compaction standards only and in no way relieve the CONTRACTOR of his obligation to achieve any specified degree of compaction by whatever means may be necessary.

Grade to provide positive drainage and a smooth surface which will readily shed water. To the extent practicable, compact each layer to the specified density on the same day placed. Place fill in horizontal layers. Where horizontal layers meet a natural slope, key layer into slope by cutting a bench.

Fill that is too wet for proper compaction: Disc, harrow, or otherwise dry to proper moisture content for compaction to the required density.

Fill that is too dry for proper compaction: Uniformly apply water over the surface of the loose layer in sufficient quantity to allow compaction to the required density.

Table D: Compaction Alternatives

Compaction Method	Maximum Stone Size	Maximum Loose Lift Thickness (inches)		Maximum Number of Passes	
		Below Structure and Pavements	Less-Critical Areas	Below Structure and Pavements	Less-Critical Areas
Hand operated vibratory plate of light roller in confined areas.	3	4	4	4	4
Hand operated vibratory drum rollers weighing at least 1,000 pounds in confined areas.	4	6	8	4	4
Loaded 10-wheel truck or D-8 crawler.	6	10	12	4	2
Light vibratory drum roller; Min. weight at drum 8,000lbs; Min. dynamic force 10,000lbs.	8	12	12	6	2
Minimum vibratory drum; Min. weight at drum 10,000lbs; Min. dynamic force 20,000lbs.	8	18	18	6	4

3.4.2. Dewatering

Provide adequate pumping and drainage facilities to keep excavated areas sufficiently dry of groundwater and surface run-off. Dewatering shall avoid adversely affection construction procedures or causing excessive disturbance of underlying natural ground. Drain all pumped water in such a manner as to avoid damage to adjacent property.

If requested by the ENGINEER, place a 6-inch to 12-inch layer of sand and gravel or crushed stone over the natural underlying soil to stabilize area which have been disturbed due to groundwater seepage pressures and to expedite dewatering operations. Particular attention shall be given areas under proposed foundations.

3.5. FIELD QUALITY CONTROL

3.5.1. Compaction Requirements

Allow the ENGINEER sufficient time to make necessary observations and tests. Base the degree of compaction on maximum dry density as determined by ASTM D1557. The minimum degree of compaction for placed fill shall be as indicated in Table E: Compaction Requirements.

Table E: Compaction Requirements	
Area	Minimum Degree of Compaction (%)
Below foundation.	95
Pavement and building subbase and base courses.	95
Below building slab base course and above bottom of foundation.	92
Below pavement subbase and base courses.	90
Trench backfill outside of building.	90
Trench backfill inside of building.	Refer to one of the above- listed categories
Ordinary fill within 5 feet of grade.	90
Vegetated areas below 5 feet of grade.	85

3.5.2. Testing

Site work should be monitored and tested by geotechnical ENGINEER or his representative and in accordance with requirements of the design team to assure compliance with earthwork and foundation construction specifications.

The owner will retain a geotechnical ENGINEER or his representative to perform on-site observations and testing during this phase of construction operations. The geotechnical ENGINEER or his representative will:

- Observe excavation and dewatering of building and controlled fill areas;
- Observe backfill and compaction within building and controlled fill areas;
- Laboratory test and analyze fill material; and
- Observe construction – and performing water content, gradation, and compaction tests.

On a timely basis, the CONTRACTOR will receive copies of test results submitted to the OWNER. In addition, during construction the geotechnical ENGINEER will advise the OWNER and CONTRACTOR in writing of conditions which fail to conform to the Contract Documents. The CONTRACTOR shall take immediate action to remedy indicated deficiencies.

The geotechnical ENGINEER or his representative will not supervise or direct the actual work of the CONTRACTOR or employees and representatives of the CONTRACTOR. The presence of, observations by, and testing performed by the geotechnical ENGINEER or his representatives shall not excuse the CONTRACTOR from defects discovered in the work.

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APPENDIX F

LIMITATIONS

LIMITATIONS

1. This geotechnical report is based on the data that was obtained from the subsurface explorations and on the design of the proposed housing development. A geotechnical engineer, who is experienced in foundation construction and earthwork, should be engaged to review the final design and specifications in order to determine whether any change in concept may have any effect on the validity of the conclusions presented herein, and whether these conclusions have, in fact, been implemented in the design and specifications.

2. The subsurface conditions, including thickness, between the exploration locations are approximate and simplified representations of the strata and transitions. There is the possibility that variations in soil and rock conditions and boundaries will be encountered during construction. In order to permit correlation between the exploratory soil data and the actual soil conditions encountered during construction and so as to assess conformance with the plans and specifications as originally contemplated, it is recommended that a geotechnical engineer, who is experienced in foundation construction and earthwork monitoring, should be retained to perform continuous construction review during the site preparation and foundation construction operations.

3. The subsurface exploration logs and subsurface conditions may aid in estimating material quality and quantities, such as topsoil/organic matter, fills, natural soils, and rock, but are not to be relied upon as the exclusive means for bid preparation purposes. It is the responsibility of the contractor to perform any additional site examinations and explorations and to prepare an accurate bid.

4. Disclaimers:

    a. In the event that any changes in the nature, design or location of the structure are planned, the conclusions that are contained in this report shall not be considered valid unless the changes are reviewed and the conclusions of this report are modified or verified in writing.

    b. The geotechnical engineering report has been prepared for this project by Barron & Associates, P.C. This report is for assistance in design only and is not a sufficient basis on which to prepare an accurate bid.

    c. This report has been prepared for the exclusive use of APR Holdings, LLC and their designated design representatives, for specific application to the construction of a proposed housing development at 235 River Road and 190 Main Street, in the City of North Tonawanda, Niagara County, New York and in accordance with generally accepted geotechnical engineering practice. No other warranty, expressed or implied, is made.

Limited Phase II Environmental Site Assessment

Proposed North Tonawanda Main Street Redevelopment Site

Project / Site Location:
North Tonawanda Main Street
235 River Road
North Tonawanda, New York 14120

Prepared for:
Mr. William Burke
235 River Road, LLC
4727 Camp Road
Hamburg, New York 14075

Prepared by:
Asbestos & Environmental Consulting Corporation (AECC)
6308 Fly Road
East Syracuse, New York 13057

December 18, 2023

Mr. William Burke
235 River Road, LLC
4727 Camp Road
Hamburg, New York 14075

RE: Limited Phase II Environmental Site Assessment
Proposed North Tonawanda Main Street Redevelopment Site
235 River Road, North Tonawanda, New York 14120
AECC Project Number: 23-031

Dear Mr. Burke:

The Asbestos & Environmental Consulting Corporation (AECC) completed a limited Phase II Environmental Site Assessment of the proposed North Tonawanda Main Street Redevelopment Site, located at 235 River Road, in North Tonawanda, New York. This report summarizes AECC's sampling activities / soil exceedances and provides a recommendation relative to the Client's future development plans.

SAMPLING ACTIVITIES

Sampling During Geotechnical Investigation Activities: During the Buffalo Drilling Company, Inc.'s (BDC) geotechnical investigation, conducted on March 8-10, 2023, AECC personnel performed limited soil sampling to determine if environmental contamination was present in site soils. Sub-grade conditions were typified by non-native soils, ranging in thickness from 3-8 feet below ground surface (bgs), with native soils beneath. This initial sampling event was focused on the potential for environmental contaminants within non-native soils, while native soils were characterized for geotechnical purposes only. AECC collected surficial (i.e. depth of 1' or less bgs) and subsurface samples from nine (9) BDC geotechnical soil boring locations. In general, samples were collected from soil cuttings that exhibited evidence of possible contamination or that appeared to be impacted by fill materials (brick, block, debris, etc.).

The samples were analyzed for semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), metals, and mercury at all locations / intervals, with the addition of volatile organic compounds (VOCs) analysis for the sub-surface intervals only. It should also be noted that AECC collected one (1) additional surface sample outside of BDC's soil boring locations. This sample was collected adjacent to SB-04 and analyzed for VOCs, due to the presence of staining on the ground surface.

Additional Surficial Soil Sampling: After receiving the laboratory report from the initial sampling event and in order to further understand / characterize the environmental contamination conditions discovered during the initial sampling event, additional surficial sampling was performed; however, these ten (10) samples, collected on June 21, 2023, were analyzed for semi-volatile organic compounds (SVOCs), metals, and mercury only.

Asbestos & Environmental Consulting Corp. ~ 6308 Fly Road, East Syracuse, NY 13057 ~ (315) 432-9400 ~ (315) 432-9405 fax

SUMMARY OF SOIL EXCEEDANCES

Post evaluation of the laboratory results from both sampling events, the following exceedances were identified in comparison with Unrestricted Soil Cleanup Objectives (SCOs), set forth by the New York State Department of Environmental Conservation (NYSDEC):

Location	Interval*	Unrestricted SCO Exceedances**
SB-03	0-1' bgs	chromium (total), lead
SB-04	0-1' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, 2-Methylnaphthalene, chromium (total), zinc
SB-06	0-1' bgs	benzo(a)pyrene, benzo(b)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, chromium (total)
	3-4' bgs	arsenic, chromium (total), mercury
SB-07	3-3.5' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, chromium (total), zinc
SB-08	0-1' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, chromium (total), lead, zinc
	7-7.5' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, chromium (total), zinc
SS-02	0-1' bgs	benzo(b)fluoranthene, chromium (total), lead, zinc
SS-03	0-1' bgs	2-Methylnaphthalene, chromium (total), lead, zinc
SS-04	0-1' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h} anthracene, indeno(1,2,3-cd)pyrene, chromium (total), lead, zinc
SS-05	0-1' bgs	2-Methylnaphthalene, chromium (total), manganese, mercury, zinc
SS-06	0-1' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h} anthracene, indeno(1,2,3-cd)pyrene, chromium (total), lead, zinc
SS-08	0-1' bgs	indeno(1,2,3-cd)pyrene, chromium (total), zinc
SS-09	0-1' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h} anthracene, indeno(1,2,3-cd)pyrene, 2-Methylnaphthalene, chromium (total), copper, lead, zinc
SS-10	0-1' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, chrysene, chromium (total), zinc

**Note: Sampling depth below ground surface.*

***Note: The concentrations for each contaminant may be found on Figure 2 (Attachment A) or within the associated laboratory reports (Attachments B & C).*

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FUTURE DEVELOPMENT PLANS / AECC RECOMMENDATION

Anticipated Development Plans: Based upon discussions with the Client, the intended development plans include the construction of residential apartment units. Due to the presence of environmental contaminants in the soils in excess of NYSDEC Unrestricted SCOs, the Client expressed interest in submitting an application for the site into the NYSDEC Brownfield Cleanup Program (BCP).

Summary of Analytical Results: Based upon the anticipated development plans and potential for the site's entry into the NYSDEC BCP, analytical results were further compared to NYSDEC Part 375 SCOs for Restricted Residential use. Exceedances of Restricted Residential SCOs were identified at the following locations:

Location	Interval*	Restricted Residential SCO Exceedances**
SB-03	0-1' bgs	lead
SB-04	0-1' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, 2-Methylnaphthalene
SB-06	0-1' bgs	benzo(a)pyrene, benzo(b)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene
	3-4' bgs	arsenic
SB-07	3-3.5' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene
SB-08	0-1' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene
	7-7.5' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene
SS-02	0-1' bgs	benzo(b)fluoranthene
SS-03	0-1' bgs	2-Methylnaphthalene
SS-04	0-1' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h} anthracene, indeno(1,2,3-cd)pyrene
SS-05	0-1' bgs	2-Methylnaphthalene
SS-06	0-1' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz[a,h} anthracene, indeno(1,2,3-cd)pyrene
SS-08	0-1' bgs	indeno(1,2,3-cd)pyrene
SS-09	0-1' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz[a,h} anthracene, indeno(1,2,3-cd)pyrene, 2-Methylnaphthalene
SS-10	0-1' bgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene

**Note: Sampling depth below ground surface.*

***Note: The concentrations for each contaminant may be found on Figure 2 (Attachment A) or within the associated laboratory reports (Attachments B & C).*

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AECC Recommendation: Based upon the results of the laboratory data collected to date, the site appears be a good candidate for the NYS BCP. Environmental contaminants were found in site soils across the project site and at several depths. In order for the site to gain entry into this program, an application must be submitted to the NYSDEC for their review / consideration.

If you have any questions relative to this report, please do not hesitate to contact me directly at AECC's corporate office (315-432-9400).

Sincerely,
Asbestos & Environmental Consulting Corporation

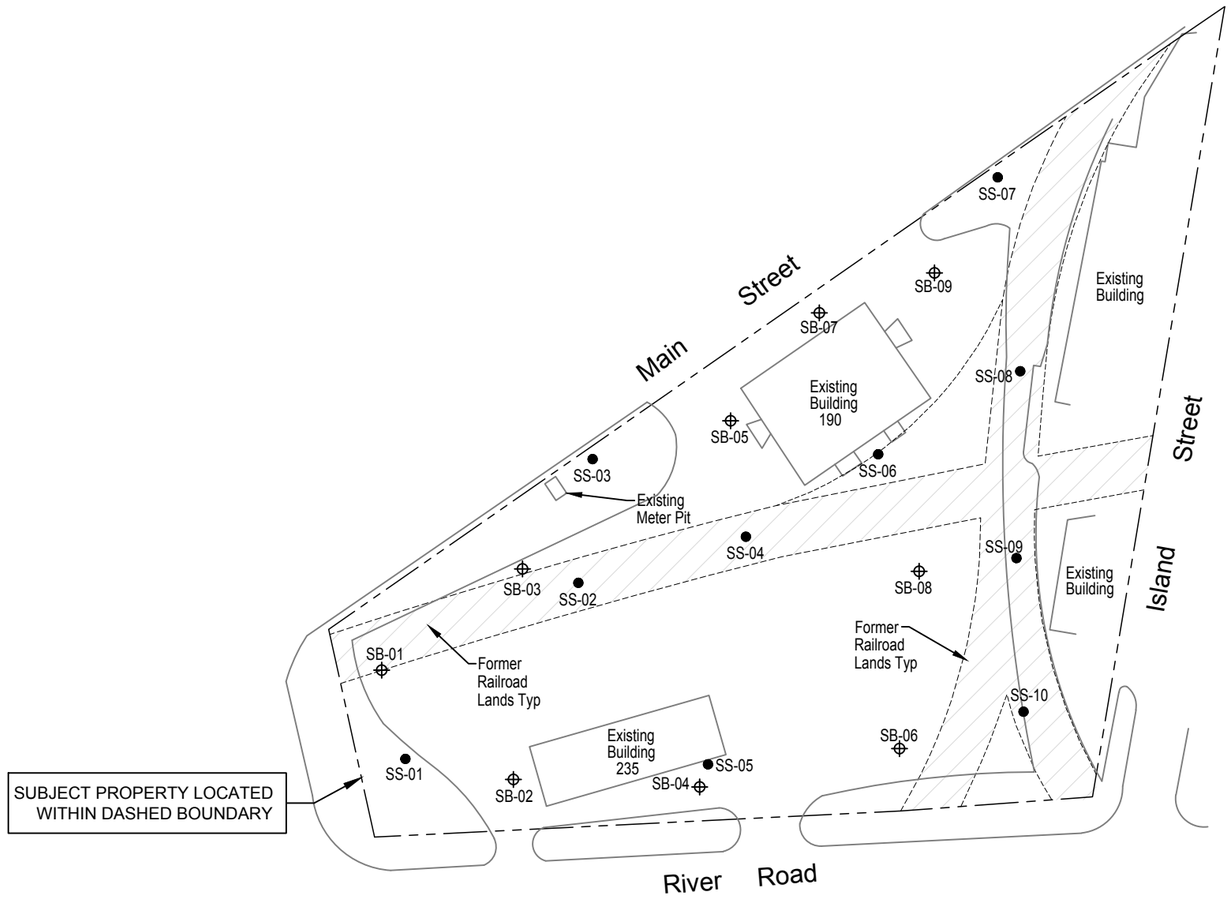
George Fischer
Senior Staff Professional

Attachment A: Figures 1 & 2
Attachment B: Laboratory Analysis Reports, March 2023 Sampling Event
Attachment C: Laboratory Analysis Report, June 2023 Sampling Event

Asbestos & Environmental Consulting Corp. ~ 6308 Fly Road, East Syracuse, NY 13057 ~ (315) 432-9400 ~ (315) 432-9405 fax

Attachment A

Figures 1 & 2



LEGEND:

- ● SS-### Surface Sample Location
- ⊕ SB-### Test Boring Location ID - Sample Depth

NOTES:

1. BORINGS, BUILDINGS, SITE FEATURES, PROPERTY LINE LOCATIONS AND SCALE OF DRAWING ARE APPROXIMATE.
2. BASE MAP REFERENCE PROVIDED BY BUFFALO DRILLING COMPANY, DATED 3/1/2023.
3. ALL SAMPLE LOCATIONS ARE APPROXIMATE.

0 100' 200'

GRAPHIC SCALE

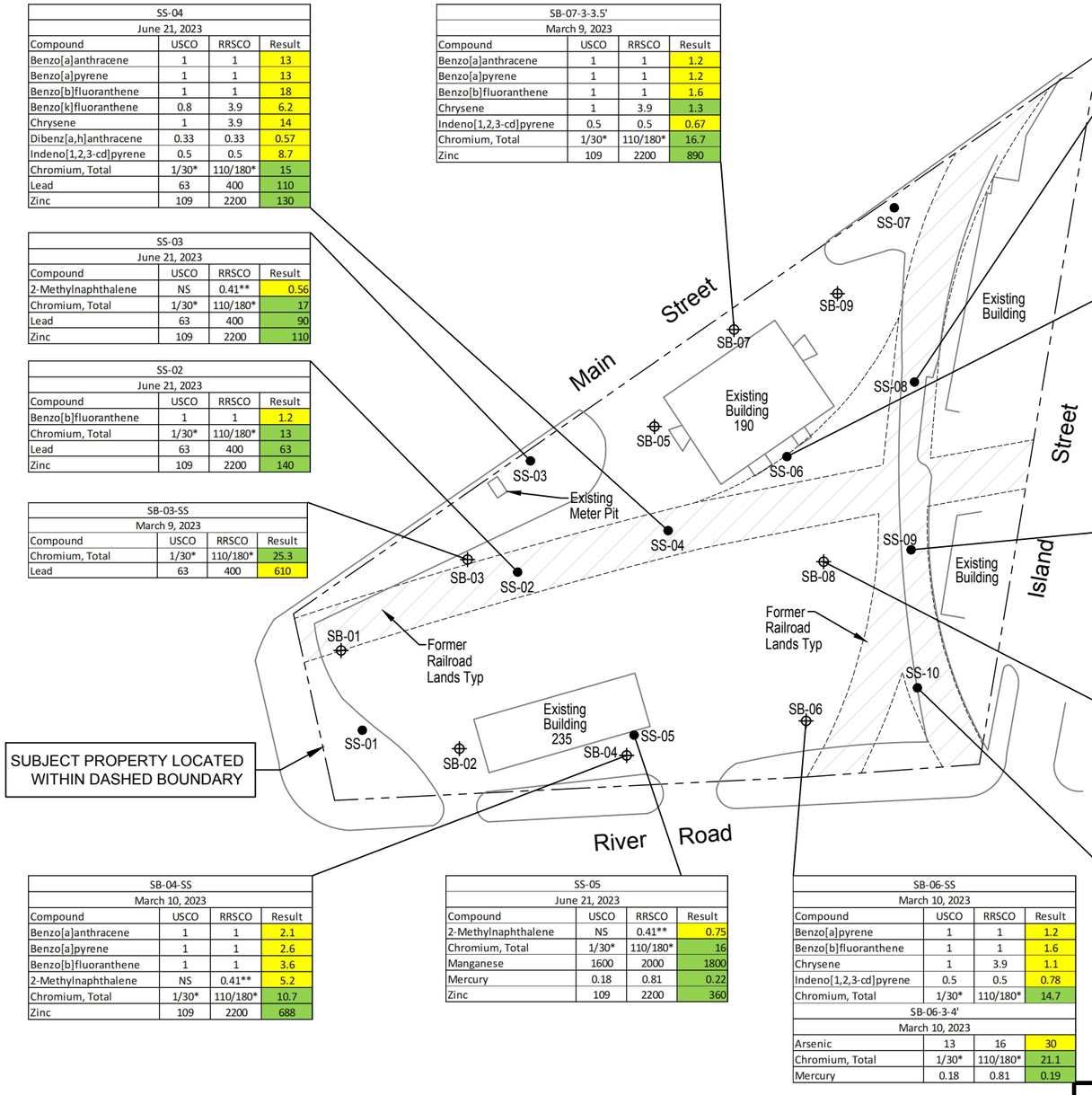
AECC ENVIRONMENTAL CONSULTING
Asbestos & Environmental Consulting Corporation
6308 Fly Road
East Syracuse, NY 13057

PROJECT NO.	23-031
DRAWN:	DEC. 2023
DRAWN BY:	WF
CHECKED BY:	BB

North Tonawanda Main St. Redevelopment Site
235 River Road
North Tonawanda, New York 14120

Soil Boring & Sample Locations

FIGURE 1



SS-04			
June 21, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	13
Benzo[a]pyrene	1	1	13
Benzo[b]fluoranthene	1	1	18
Benzo[k]fluoranthene	0.8	3.9	6.2
Chrysene	1	3.9	14
Dibenz[a,h]anthracene	0.33	0.33	0.57
Indeno[1,2,3-cd]pyrene	0.5	0.5	8.7
Chromium, Total	1/30*	110/180*	15
Lead	63	400	110
Zinc	109	2200	130

SS-03			
June 21, 2023			
Compound	USCO	RRSCO	Result
2-Methylnaphthalene	NS	0.41**	0.56
Chromium, Total	1/30*	110/180*	17
Lead	63	400	90
Zinc	109	2200	110

SS-02			
June 21, 2023			
Compound	USCO	RRSCO	Result
Benzo[b]fluoranthene	1	1	1.2
Chromium, Total	1/30*	110/180*	13
Lead	63	400	63
Zinc	109	2200	140

SB-03-SS			
March 9, 2023			
Compound	USCO	RRSCO	Result
Chromium, Total	1/30*	110/180*	25.3
Lead	63	400	610

SB-07-3-3.5'			
March 9, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	1.2
Benzo[a]pyrene	1	1	1.2
Benzo[b]fluoranthene	1	1	1.6
Chrysene	1	3.9	1.3
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.67
Chromium, Total	1/30*	110/180*	16.7
Zinc	109	2200	890

SS-08			
June 21, 2023			
Compound	USCO	RRSCO	Result
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.51
Chromium, Total	1/30*	110/180*	8.7
Zinc	109	2200	140

SS-06			
June 21, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	2.8
Benzo[a]pyrene	1	1	3.2
Benzo[b]fluoranthene	1	1	4.4
Benzo[k]fluoranthene	0.8	3.9	1.8
Chrysene	1	3.9	3
Dibenz[a,h]anthracene	0.33	0.33	0.43
Indeno[1,2,3-cd]pyrene	0.5	0.5	2.1
Chromium, Total	1/30*	110/180*	25
Lead	63	400	110
Zinc	109	2200	250

SS-09			
June 21, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	2.9
Benzo[a]pyrene	1	1	3.6
Benzo[b]fluoranthene	1	1	6.5
Benzo[k]fluoranthene	0.8	3.9	2.4
Chrysene	1	3.9	4.4
Dibenz[a,h]anthracene	0.33	0.33	0.56
Indeno[1,2,3-cd]pyrene	0.5	0.5	2.4
2-Methylnaphthalene	NS	0.41**	0.6
Chromium, Total	1/30*	110/180*	21
Copper	50	270	55
Lead	63	400	150
Zinc	109	2200	190

SB-08-SS			
March 10, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	1.5
Benzo[a]pyrene	1	1	1.4
Benzo[b]fluoranthene	1	1	1.9
Benzo[k]fluoranthene	0.8	3.9	0.95
Chrysene	1	3.9	1.6
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.9
Chromium, Total	1/30*	110/180*	14.3
Lead	63	400	64
Zinc	109	2200	113
SB-08-7-7.5'			
March 10, 2023			
Benzo[a]anthracene	1	1	1.1
Benzo[a]pyrene	1	1	1.4
Benzo[b]fluoranthene	1	1	1.8
Benzo[k]fluoranthene	0.8	3.9	0.9
Chrysene	1	3.9	1.1
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.88
Chromium, Total	1/30*	110/180*	13.3
Zinc	109	2200	120

SS-10			
June 21, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	1
Benzo[a]pyrene	1	1	1.2
Benzo[b]fluoranthene	1	1	1.9
Chrysene	1	3.9	1.1
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.98
Chromium, Total	1/30*	110/180*	15
Zinc	109	2200	110

SB-04-SS			
March 10, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]anthracene	1	1	2.1
Benzo[a]pyrene	1	1	2.6
Benzo[b]fluoranthene	1	1	3.6
2-Methylnaphthalene	NS	0.41**	5.2
Chromium, Total	1/30*	110/180*	10.7
Zinc	109	2200	688

SS-05			
June 21, 2023			
Compound	USCO	RRSCO	Result
2-Methylnaphthalene	NS	0.41**	0.75
Chromium, Total	1/30*	110/180*	16
Manganese	1600	2000	1800
Mercury	0.18	0.81	0.22
Zinc	109	2200	360

SB-06-SS			
March 10, 2023			
Compound	USCO	RRSCO	Result
Benzo[a]pyrene	1	1	1.2
Benzo[b]fluoranthene	1	1	1.6
Chrysene	1	3.9	1.1
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.78
Chromium, Total	1/30*	110/180*	14.7
SB-06-3-4'			
March 10, 2023			
Arsenic	13	16	30
Chromium, Total	1/30*	110/180*	21.1
Mercury	0.18	0.81	0.19

0 100' 200'

GRAPHIC SCALE

LEGEND:

- ● SS-### Surface Sample Location
- ⌖ SB-### Test Boring Location ID - Sample Depth
- Indicates exceedance of the Unrestricted Soil Cleanup Objective
- Indicates exceedance of the Restricted Residential Soil Cleanup Objective
- * The SCO for chromium has been represented as "hexavalent chromium / trivalent chromium", and these values may or may not trigger exceedances if the compound is speciated in future sampling events
- ** Value indicates Residential SCO, as there is no Restricted Residential SCO for this compound

NOTES:

1. BORINGS, BUILDINGS, SITE FEATURES, PROPERTY LINE LOCATIONS AND SCALE OF DRAWING ARE APPROXIMATE.
2. BASE MAP REFERENCE PROVIDED BY BUFFALO DRILLING COMPANY, DATED 3/1/2023.
3. ALL SAMPLE LOCATIONS ARE APPROXIMATE.

AECC ENVIRONMENTAL CONSULTING
Asbestos & Environmental Consulting Corporation
6308 Fly Road
East Syracuse, NY 13057

PROJECT NO. 23-031
DRAWN: DEC. 2023
DRAWN BY: WF
CHECKED BY: BB

North Tonawanda Main St. Redevelopment Site
235 River Road
North Tonawanda, New York 14120

Summary Of Soil Sample Exceedances

FIGURE
2

Attachment B

Laboratory Analysis Reports, March 2023 Sampling Event

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. George Fischer
Asbestos & Environmental Consulting Corp
6308 Fly Road
East Syracuse, New York 13057

Generated 3/28/2023 10:52:36 AM

JOB DESCRIPTION

250 River Rd, N. Tonawanda, NY

JOB NUMBER

480-206760-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
3/28/2023 10:52:36 AM

Authorized for release by
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

Table of Contents

Definitions/Glossary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206760-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-206760-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-206760-1

Comments
No additional comments.

Receipt
The samples were received on 3/8/2023 4:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.8º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-661502 recovered above the upper control limit for Carbon tetrachloride, Trichlorofluoromethane and Vinyl chloride. The sample(s) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: SB-01-3.5-4' (480-206760-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to color, appearance, and viscosity: SB-01-SS (480-206760-1), SB-01-3.5-4' (480-206760-2) and SB-02-SS (480-206760-3). Elevated reporting limits (RL) are provided.

Method 8270D: Surrogate recovery for the following sample was outside control limits: SB-02-3-3.5' (480-206760-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: SB-01-3.5-4' (480-206760-2), SB-02-SS (480-206760-3) and (LCS 480-661199/2-A). These results have been reported and qualified.

Method 8270D: The following sample was diluted due to the nature of the sample matrix: SB-01-SS (480-206760-1). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-661256 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: SB-01-SS (480-206760-1). The reporting limits (RLs) are elevated proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-01-SS — Lab Sample ID: 480-206760-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	2100	J	19000	2000	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	2900	J	19000	2000	ug/Kg	10	☼	8270D	Total/NA
Aluminum	6330		11.7	5.2	mg/Kg	1	☼	6010C	Total/NA
Arsenic	5.0		2.3	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	56.9		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.69		0.23	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.34		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Calcium	88700		58.7	3.9	mg/Kg	1	☼	6010C	Total/NA
Chromium	10.3		0.59	0.23	mg/Kg	1	☼	6010C	Total/NA
Cobalt	2.9		0.59	0.059	mg/Kg	1	☼	6010C	Total/NA
Copper	15.3		1.2	0.25	mg/Kg	1	☼	6010C	Total/NA
Iron	10100		11.7	4.1	mg/Kg	1	☼	6010C	Total/NA
Lead	41.2		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Magnesium	16500		23.5	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	364		0.23	0.038	mg/Kg	1	☼	6010C	Total/NA
Nickel	9.4		5.9	0.27	mg/Kg	1	☼	6010C	Total/NA
Potassium	1180		35.2	23.5	mg/Kg	1	☼	6010C	Total/NA
Sodium	315		164	15.3	mg/Kg	1	☼	6010C	Total/NA
Vanadium	14.5		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	67.2		2.3	0.75	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.050		0.022	0.0052	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-01-3.5-4' — Lab Sample ID: 480-206760-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	18	J	34	2.5	ug/Kg	1	☼	8260C	Total/NA
Acetone	88		34	5.7	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	6.5	J B	6.8	3.1	ug/Kg	1	☼	8260C	Total/NA
Di-n-butyl phthalate	1200	J	2300	400	ug/Kg	10	☼	8270D	Total/NA
Aluminum	4140		14.0	6.1	mg/Kg	1	☼	6010C	Total/NA
Antimony	1.4	J	21.0	0.56	mg/Kg	1	☼	6010C	Total/NA
Arsenic	7.1		2.8	0.56	mg/Kg	1	☼	6010C	Total/NA
Barium	54.5		0.70	0.15	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.59		0.28	0.039	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.14	J	0.28	0.042	mg/Kg	1	☼	6010C	Total/NA
Calcium	8880		69.8	4.6	mg/Kg	1	☼	6010C	Total/NA
Chromium	8.8		0.70	0.28	mg/Kg	1	☼	6010C	Total/NA
Cobalt	6.6		0.70	0.070	mg/Kg	1	☼	6010C	Total/NA
Copper	16.6		1.4	0.29	mg/Kg	1	☼	6010C	Total/NA
Iron	17300		14.0	4.9	mg/Kg	1	☼	6010C	Total/NA
Lead	30.5		1.4	0.34	mg/Kg	1	☼	6010C	Total/NA
Magnesium	1930		27.9	1.3	mg/Kg	1	☼	6010C	Total/NA
Manganese	135		0.28	0.045	mg/Kg	1	☼	6010C	Total/NA
Nickel	14.0		7.0	0.32	mg/Kg	1	☼	6010C	Total/NA
Potassium	630		41.9	27.9	mg/Kg	1	☼	6010C	Total/NA
Selenium	1.4	J	5.6	0.56	mg/Kg	1	☼	6010C	Total/NA
Sodium	211		196	18.2	mg/Kg	1	☼	6010C	Total/NA
Vanadium	9.9		0.70	0.15	mg/Kg	1	☼	6010C	Total/NA
Zinc	42.8		2.8	0.89	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.055		0.027	0.0062	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-02-SS — Lab Sample ID: 480-206760-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8720		12.0	5.3	mg/Kg	1	☼	6010C	Total/NA
Antimony	2.4	J	17.9	0.48	mg/Kg	1	☼	6010C	Total/NA
Arsenic	5.8		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	86.7		0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.75		0.24	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.21	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Calcium	15600		59.8	3.9	mg/Kg	1	☼	6010C	Total/NA
Chromium	16.7		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Cobalt	5.1		0.60	0.060	mg/Kg	1	☼	6010C	Total/NA
Copper	18.9		1.2	0.25	mg/Kg	1	☼	6010C	Total/NA
Iron	26800		12.0	4.2	mg/Kg	1	☼	6010C	Total/NA
Lead	67.8		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Magnesium	1970		23.9	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	650		0.24	0.038	mg/Kg	1	☼	6010C	Total/NA
Nickel	14.9		6.0	0.28	mg/Kg	1	☼	6010C	Total/NA
Potassium	1460		35.9	23.9	mg/Kg	1	☼	6010C	Total/NA
Selenium	1.2	J	4.8	0.48	mg/Kg	1	☼	6010C	Total/NA
Sodium	611		167	15.5	mg/Kg	1	☼	6010C	Total/NA
Vanadium	18.0		0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	74.0		2.4	0.77	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.034		0.025	0.0058	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-02-3-3.5' — Lab Sample ID: 480-206760-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.9	J	24	1.8	ug/Kg	1	☼	8260C	Total/NA
Acetone	20	J	24	4.1	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]anthracene	20	J	200	20	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	34	J	200	22	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	38	J	200	30	ug/Kg	1	☼	8270D	Total/NA
Pyrene	24	J	200	24	ug/Kg	1	☼	8270D	Total/NA
Aluminum	13600		12.2	5.4	mg/Kg	1	☼	6010C	Total/NA
Antimony	1.0	J	18.3	0.49	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.9		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	135		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	2.6		0.24	0.034	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.039	J	0.24	0.037	mg/Kg	1	☼	6010C	Total/NA
Calcium	85000		61.0	4.0	mg/Kg	1	☼	6010C	Total/NA
Chromium	11.0		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Cobalt	3.6		0.61	0.061	mg/Kg	1	☼	6010C	Total/NA
Copper	9.1		1.2	0.26	mg/Kg	1	☼	6010C	Total/NA
Iron	17000		12.2	4.3	mg/Kg	1	☼	6010C	Total/NA
Lead	23.4		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Magnesium	10800		24.4	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	2270		0.24	0.039	mg/Kg	1	☼	6010C	Total/NA
Nickel	6.8		6.1	0.28	mg/Kg	1	☼	6010C	Total/NA
Potassium	1310		36.6	24.4	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.78	J	4.9	0.49	mg/Kg	1	☼	6010C	Total/NA
Sodium	715		171	15.9	mg/Kg	1	☼	6010C	Total/NA
Vanadium	13.2		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	27.3		2.4	0.78	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-02-3-3.5' (Continued)

Lab Sample ID: 480-206760-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.021	J	0.022	0.0051	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-01-SS
Date Collected: 03/08/23 08:58
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-1
Matrix: Solid
Percent Solids: 87.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		19000	2800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
bis (2-chloroisopropyl) ether	ND		19000	3800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2,4,5-Trichlorophenol	ND		19000	5200	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2,4,6-Trichlorophenol	ND		19000	3800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2,4-Dichlorophenol	ND		19000	2000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2,4-Dimethylphenol	ND		19000	4600	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2,4-Dinitrophenol	ND		190000	89000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2,4-Dinitrotoluene	ND		19000	4000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2,6-Dinitrotoluene	ND		19000	2300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2-Chloronaphthalene	ND		19000	3200	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2-Chlorophenol	ND		37000	3500	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2-Methylphenol	ND		19000	2300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2-Methylnaphthalene	ND		19000	3800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2-Nitroaniline	ND		37000	2800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
2-Nitrophenol	ND		19000	5400	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
3,3'-Dichlorobenzidine	ND		37000	23000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
3-Nitroaniline	ND		37000	5300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
4,6-Dinitro-2-methylphenol	ND		37000	19000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
4-Bromophenyl phenyl ether	ND		19000	2700	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
4-Chloro-3-methylphenol	ND		19000	4800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
4-Chloroaniline	ND		19000	4800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
4-Chlorophenyl phenyl ether	ND		19000	2400	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
4-Methylphenol	ND		37000	2300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
4-Nitroaniline	ND		37000	10000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
4-Nitrophenol	ND		37000	13000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Acenaphthene	ND		19000	2800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Acenaphthylene	ND		19000	2500	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Acetophenone	ND		19000	2600	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Anthracene	ND		19000	4800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Atrazine	ND		19000	6700	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Benzaldehyde	ND		19000	15000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Benzo[a]anthracene	ND		19000	1900	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Benzo[a]pyrene	ND		19000	2800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Benzo[b]fluoranthene	ND		19000	3100	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Benzo[g,h,i]perylene	**2100**	**J**	19000	2000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Benzo[k]fluoranthene	ND		19000	2500	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Bis(2-chloroethoxy)methane	ND		19000	4100	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Bis(2-chloroethyl)ether	ND		19000	2500	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Bis(2-ethylhexyl) phthalate	ND		19000	6600	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Butyl benzyl phthalate	ND		19000	3200	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Caprolactam	ND		19000	5800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Carbazole	ND		19000	2300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Chrysene	ND		19000	4300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Dibenz(a,h)anthracene	ND		19000	3400	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Di-n-butyl phthalate	ND		19000	3300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Di-n-octyl phthalate	ND		19000	2300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Dibenzofuran	ND		19000	2300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Diethyl phthalate	ND		19000	2500	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Dimethyl phthalate	ND		19000	2300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-01-SS
Date Collected: 03/08/23 08:58
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-1
Matrix: Solid
Percent Solids: 87.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**2900**	**J**	19000	2000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Fluorene	ND		19000	2300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Hexachlorobenzene	ND		19000	2600	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Hexachlorobutadiene	ND		19000	2800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Hexachlorocyclopentadiene	ND		19000	2600	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Hexachloroethane	ND		19000	2500	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Indeno[1,2,3-cd]pyrene	ND		19000	2400	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Isophorone	ND		19000	4100	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
N-Nitrosodi-n-propylamine	ND		19000	3300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
N-Nitrosodiphenylamine	ND		19000	16000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Naphthalene	ND		19000	2500	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Nitrobenzene	ND		19000	2100	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Pentachlorophenol	ND		37000	19000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Phenanthrene	ND		19000	2800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Phenol	ND		19000	2900	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10
Pyrene	ND		19000	2300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*89*		*53 - 120*	*03/10/23 15:59*	*03/13/23 15:27*	*10*
Phenol-d5 (Surr)	*88*		*54 - 120*	*03/10/23 15:59*	*03/13/23 15:27*	*10*
p-Terphenyl-d14 (Surr)	*90*		*79 - 130*	*03/10/23 15:59*	*03/13/23 15:27*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*S1-*	*54 - 120*	*03/10/23 15:59*	*03/13/23 15:27*	*10*
2-Fluorobiphenyl (Surr)	*85*		*60 - 120*	*03/10/23 15:59*	*03/13/23 15:27*	*10*
2-Fluorophenol (Surr)	*84*		*52 - 120*	*03/10/23 15:59*	*03/13/23 15:27*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg	☼	03/10/23 15:45	03/16/23 11:51	1
PCB-1221	ND		0.24	0.047	mg/Kg	☼	03/10/23 15:45	03/16/23 11:51	1
PCB-1232	ND		0.24	0.047	mg/Kg	☼	03/10/23 15:45	03/16/23 11:51	1
PCB-1242	ND		0.24	0.047	mg/Kg	☼	03/10/23 15:45	03/16/23 11:51	1
PCB-1248	ND		0.24	0.047	mg/Kg	☼	03/10/23 15:45	03/16/23 11:51	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	03/10/23 15:45	03/16/23 11:51	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	03/10/23 15:45	03/16/23 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*60 - 154*	*03/10/23 15:45*	*03/16/23 11:51*	*1*
Tetrachloro-m-xylene	*104*		*60 - 154*	*03/10/23 15:45*	*03/16/23 11:51*	*1*
DCB Decachlorobiphenyl	*102*		*65 - 174*	*03/10/23 15:45*	*03/16/23 11:51*	*1*
DCB Decachlorobiphenyl	*88*		*65 - 174*	*03/10/23 15:45*	*03/16/23 11:51*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6330**		11.7	5.2	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Antimony	ND		17.6	0.47	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Arsenic	**5.0**		2.3	0.47	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Barium	**56.9**		0.59	0.13	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Beryllium	**0.69**		0.23	0.033	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Cadmium	**0.34**		0.23	0.035	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Calcium	**88700**		58.7	3.9	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-01-SS
Date Collected: 03/08/23 08:58
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-1
Matrix: Solid
Percent Solids: 87.4

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	10.3		0.59	0.23	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Cobalt	2.9		0.59	0.059	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Copper	15.3		1.2	0.25	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Iron	10100		11.7	4.1	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Lead	41.2		1.2	0.28	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Magnesium	16500		23.5	1.1	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Manganese	364		0.23	0.038	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Nickel	9.4		5.9	0.27	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Potassium	1180		35.2	23.5	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Selenium	ND		4.7	0.47	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Silver	ND		0.70	0.23	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Sodium	315		164	15.3	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Thallium	ND		7.0	0.35	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Vanadium	14.5		0.59	0.13	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1
Zinc	67.2		2.3	0.75	mg/Kg	☼	03/10/23 13:00	03/14/23 16:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.050		0.022	0.0052	mg/Kg	☼	03/14/23 10:52	03/14/23 14:24	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-01-3.5-4'
Date Collected: 03/08/23 09:04
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-2
Matrix: Solid
Percent Solids: 71.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.8	0.49	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,1,2,2-Tetrachloroethane	ND		6.8	1.1	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.8	1.5	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,1,2-Trichloroethane	ND		6.8	0.88	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,1-Dichloroethane	ND		6.8	0.83	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,1-Dichloroethene	ND		6.8	0.83	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,2,4-Trichlorobenzene	ND		6.8	0.41	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,2-Dibromo-3-Chloropropane	ND		6.8	3.4	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,2-Dibromoethane	ND		6.8	0.87	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,2-Dichlorobenzene	ND		6.8	0.53	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,2-Dichloroethane	ND		6.8	0.34	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,2-Dichloropropane	ND		6.8	3.4	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,3-Dichlorobenzene	ND		6.8	0.35	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
1,4-Dichlorobenzene	ND		6.8	0.95	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
2-Butanone (MEK)	**18**	**J**	34	2.5	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
2-Hexanone	ND		34	3.4	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
4-Methyl-2-pentanone (MIBK)	ND		34	2.2	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Acetone	**88**		34	5.7	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Benzene	ND		6.8	0.33	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Bromodichloromethane	ND		6.8	0.91	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Bromoform	ND		6.8	3.4	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Bromomethane	ND		6.8	0.61	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Carbon disulfide	ND		6.8	3.4	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Carbon tetrachloride	ND		6.8	0.66	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Chlorobenzene	ND		6.8	0.90	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Chloroethane	ND		6.8	1.5	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Chloroform	ND		6.8	0.42	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Chloromethane	ND		6.8	0.41	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
cis-1,2-Dichloroethene	ND		6.8	0.87	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
cis-1,3-Dichloropropene	ND		6.8	0.98	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Cyclohexane	ND		6.8	0.95	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Dibromochloromethane	ND		6.8	0.87	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Dichlorodifluoromethane	ND		6.8	0.56	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Ethylbenzene	ND		6.8	0.47	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Isopropylbenzene	ND		6.8	1.0	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Methyl acetate	ND		34	4.1	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Methyl tert-butyl ether	ND		6.8	0.67	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Methylcyclohexane	ND		6.8	1.0	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Methylene Chloride	**6.5**	**J B**	6.8	3.1	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Styrene	ND		6.8	0.34	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Tetrachloroethene	ND		6.8	0.91	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Toluene	ND		6.8	0.51	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
trans-1,2-Dichloroethene	ND		6.8	0.70	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
trans-1,3-Dichloropropene	ND		6.8	3.0	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Trichloroethene	ND		6.8	1.5	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Trichlorofluoromethane	ND		6.8	0.64	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Vinyl chloride	ND		6.8	0.83	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1
Xylenes, Total	ND		14	1.1	ug/Kg	☼	03/09/23 10:00	03/14/23 22:39	1

Client Sample ID: SB-01-3.5-4'
Date Collected: 03/08/23 09:04
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-2
Matrix: Solid
Percent Solids: 71.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*03/09/23 10:00*	*03/14/23 22:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*	*03/09/23 10:00*	*03/14/23 22:39*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*03/09/23 10:00*	*03/14/23 22:39*	*1*
Toluene-d8 (Surr)	*101*		*71 - 125*	*03/09/23 10:00*	*03/14/23 22:39*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2300	340	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
bis (2-chloroisopropyl) ether	ND		2300	470	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2,4,5-Trichlorophenol	ND		2300	630	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2,4,6-Trichlorophenol	ND		2300	470	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2,4-Dichlorophenol	ND		2300	250	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2,4-Dimethylphenol	ND		2300	560	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2,4-Dinitrophenol	ND		23000	11000	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2,4-Dinitrotoluene	ND		2300	480	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2,6-Dinitrotoluene	ND		2300	280	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2-Chloronaphthalene	ND		2300	390	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2-Chlorophenol	ND		4500	430	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2-Methylphenol	ND		2300	280	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2-Methylnaphthalene	ND		2300	470	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2-Nitroaniline	ND		4500	340	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
2-Nitrophenol	ND		2300	660	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
3,3'-Dichlorobenzidine	ND		4500	2800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
3-Nitroaniline	ND		4500	650	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
4,6-Dinitro-2-methylphenol	ND		4500	2300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
4-Bromophenyl phenyl ether	ND		2300	330	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
4-Chloro-3-methylphenol	ND		2300	580	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
4-Chloroaniline	ND		2300	580	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
4-Chlorophenyl phenyl ether	ND		2300	290	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
4-Methylphenol	ND		4500	280	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
4-Nitroaniline	ND		4500	1200	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
4-Nitrophenol	ND		4500	1600	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Acenaphthene	ND		2300	340	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Acenaphthylene	ND		2300	300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Acetophenone	ND		2300	320	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Anthracene	ND		2300	580	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Atrazine	ND		2300	810	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Benzaldehyde	ND		2300	1900	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Benzo[a]anthracene	ND		2300	230	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Benzo[a]pyrene	ND		2300	340	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Benzo[b]fluoranthene	ND		2300	370	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Benzo[g,h,i]perylene	ND		2300	250	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Benzo[k]fluoranthene	ND		2300	300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Bis(2-chloroethoxy)methane	ND		2300	500	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Bis(2-chloroethyl)ether	ND		2300	300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Bis(2-ethylhexyl) phthalate	ND		2300	800	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Butyl benzyl phthalate	ND		2300	390	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Caprolactam	ND		2300	700	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Carbazole	ND		2300	280	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Chrysene	ND		2300	520	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10

Client Sample ID: SB-01-3.5-4'
Date Collected: 03/08/23 09:04
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-2
Matrix: Solid
Percent Solids: 71.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		2300	410	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Di-n-butyl phthalate	**1200**	**J**	2300	400	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Di-n-octyl phthalate	ND		2300	280	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Dibenzofuran	ND		2300	280	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Diethyl phthalate	ND		2300	300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Dimethyl phthalate	ND		2300	280	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Fluoranthene	ND		2300	250	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Fluorene	ND		2300	280	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Hexachlorobenzene	ND		2300	320	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Hexachlorobutadiene	ND		2300	340	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Hexachlorocyclopentadiene	ND		2300	320	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Hexachloroethane	ND		2300	300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Indeno[1,2,3-cd]pyrene	ND		2300	290	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Isophorone	ND		2300	500	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
N-Nitrosodi-n-propylamine	ND		2300	400	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
N-Nitrosodiphenylamine	ND		2300	1900	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Naphthalene	ND		2300	300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Nitrobenzene	ND		2300	260	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Pentachlorophenol	ND		4500	2300	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Phenanthrene	ND		2300	340	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Phenol	ND		2300	360	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10
Pyrene	ND		2300	280	ug/Kg	☼	03/10/23 15:59	03/13/23 15:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*65*		*53 - 120*	*03/10/23 15:59*	*03/13/23 15:51*	*10*
Phenol-d5 (Surr)	*62*		*54 - 120*	*03/10/23 15:59*	*03/13/23 15:51*	*10*
p-Terphenyl-d14 (Surr)	*67*	*S1-*	*79 - 130*	*03/10/23 15:59*	*03/13/23 15:51*	*10*
2,4,6-Tribromophenol (Surr)	*56*		*54 - 120*	*03/10/23 15:59*	*03/13/23 15:51*	*10*
2-Fluorobiphenyl (Surr)	*66*		*60 - 120*	*03/10/23 15:59*	*03/13/23 15:51*	*10*
2-Fluorophenol (Surr)	*60*		*52 - 120*	*03/10/23 15:59*	*03/13/23 15:51*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.052	mg/Kg	☼	03/10/23 15:45	03/16/23 12:05	1
PCB-1221	ND		0.27	0.052	mg/Kg	☼	03/10/23 15:45	03/16/23 12:05	1
PCB-1232	ND		0.27	0.052	mg/Kg	☼	03/10/23 15:45	03/16/23 12:05	1
PCB-1242	ND		0.27	0.052	mg/Kg	☼	03/10/23 15:45	03/16/23 12:05	1
PCB-1248	ND		0.27	0.052	mg/Kg	☼	03/10/23 15:45	03/16/23 12:05	1
PCB-1254	ND		0.27	0.12	mg/Kg	☼	03/10/23 15:45	03/16/23 12:05	1
PCB-1260	ND		0.27	0.12	mg/Kg	☼	03/10/23 15:45	03/16/23 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*60 - 154*	*03/10/23 15:45*	*03/16/23 12:05*	*1*
Tetrachloro-m-xylene	*102*		*60 - 154*	*03/10/23 15:45*	*03/16/23 12:05*	*1*
DCB Decachlorobiphenyl	*99*		*65 - 174*	*03/10/23 15:45*	*03/16/23 12:05*	*1*
DCB Decachlorobiphenyl	*77*		*65 - 174*	*03/10/23 15:45*	*03/16/23 12:05*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4140**		14.0	6.1	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-01-3.5-4'
Date Collected: 03/08/23 09:04
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-2
Matrix: Solid
Percent Solids: 71.8

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.4	J	21.0	0.56	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Arsenic	7.1		2.8	0.56	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Barium	54.5		0.70	0.15	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Beryllium	0.59		0.28	0.039	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Cadmium	0.14	J	0.28	0.042	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Calcium	8880		69.8	4.6	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Chromium	8.8		0.70	0.28	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Cobalt	6.6		0.70	0.070	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Copper	16.6		1.4	0.29	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Iron	17300		14.0	4.9	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Lead	30.5		1.4	0.34	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Magnesium	1930		27.9	1.3	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Manganese	135		0.28	0.045	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Nickel	14.0		7.0	0.32	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Potassium	630		41.9	27.9	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Selenium	1.4	J	5.6	0.56	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Silver	ND		0.84	0.28	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Sodium	211		196	18.2	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Thallium	ND		8.4	0.42	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Vanadium	9.9		0.70	0.15	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1
Zinc	42.8		2.8	0.89	mg/Kg	☼	03/10/23 13:00	03/14/23 16:46	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.055		0.027	0.0062	mg/Kg	☼	03/14/23 10:52	03/14/23 14:26	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-02-SS
Date Collected: 03/08/23 11:07
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-3
Matrix: Solid
Percent Solids: 79.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2100	310	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
bis (2-chloroisopropyl) ether	ND		2100	420	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2,4,5-Trichlorophenol	ND		2100	570	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2,4,6-Trichlorophenol	ND		2100	420	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2,4-Dimethylphenol	ND		2100	510	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2,4-Dinitrophenol	ND		20000	9700	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2,4-Dinitrotoluene	ND		2100	430	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2,6-Dinitrotoluene	ND		2100	250	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2-Chloronaphthalene	ND		2100	340	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2-Chlorophenol	ND		4100	380	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2-Methylphenol	ND		2100	250	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2-Methylnaphthalene	ND		2100	420	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2-Nitroaniline	ND		4100	310	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
2-Nitrophenol	ND		2100	590	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
3,3'-Dichlorobenzidine	ND		4100	2500	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
3-Nitroaniline	ND		4100	580	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
4,6-Dinitro-2-methylphenol	ND		4100	2100	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
4-Bromophenyl phenyl ether	ND		2100	300	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
4-Chloro-3-methylphenol	ND		2100	520	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
4-Chloroaniline	ND		2100	520	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
4-Methylphenol	ND		4100	250	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
4-Nitroaniline	ND		4100	1100	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
4-Nitrophenol	ND		4100	1500	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Acenaphthene	ND		2100	310	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Acenaphthylene	ND		2100	270	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Acetophenone	ND		2100	280	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Anthracene	ND		2100	520	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Atrazine	ND		2100	730	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Benzaldehyde	ND		2100	1700	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Benzo[a]anthracene	ND		2100	210	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Benzo[a]pyrene	ND		2100	310	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Benzo[b]fluoranthene	ND		2100	330	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Benzo[g,h,i]perylene	ND		2100	220	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Benzo[k]fluoranthene	ND		2100	270	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Bis(2-chloroethoxy)methane	ND		2100	440	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Bis(2-ethylhexyl) phthalate	ND		2100	710	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Butyl benzyl phthalate	ND		2100	340	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Caprolactam	ND		2100	630	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Carbazole	ND		2100	250	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Chrysene	ND		2100	470	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Dibenz(a,h)anthracene	ND		2100	370	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Di-n-butyl phthalate	ND		2100	360	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Di-n-octyl phthalate	ND		2100	250	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Dibenzofuran	ND		2100	250	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Diethyl phthalate	ND		2100	270	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Dimethyl phthalate	ND		2100	250	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10

Client Sample ID: SB-02-SS
Date Collected: 03/08/23 11:07
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-3
Matrix: Solid
Percent Solids: 79.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		2100	220	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Fluorene	ND		2100	250	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Hexachlorobenzene	ND		2100	280	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Hexachlorocyclopentadiene	ND		2100	280	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Hexachloroethane	ND		2100	270	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Indeno[1,2,3-cd]pyrene	ND		2100	260	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Isophorone	ND		2100	440	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
N-Nitrosodi-n-propylamine	ND		2100	360	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Naphthalene	ND		2100	270	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Nitrobenzene	ND		2100	230	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Pentachlorophenol	ND		4100	2100	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Phenanthrene	ND		2100	310	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Phenol	ND		2100	320	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10
Pyrene	ND		2100	250	ug/Kg	☼	03/10/23 15:59	03/13/23 16:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*65*		*53 - 120*	*03/10/23 15:59*	*03/13/23 16:16*	*10*
Phenol-d5 (Surr)	*68*		*54 - 120*	*03/10/23 15:59*	*03/13/23 16:16*	*10*
p-Terphenyl-d14 (Surr)	*71*	*S1-*	*79 - 130*	*03/10/23 15:59*	*03/13/23 16:16*	*10*
2,4,6-Tribromophenol (Surr)	*53*	*S1-*	*54 - 120*	*03/10/23 15:59*	*03/13/23 16:16*	*10*
2-Fluorobiphenyl (Surr)	*66*		*60 - 120*	*03/10/23 15:59*	*03/13/23 16:16*	*10*
2-Fluorophenol (Surr)	*65*		*52 - 120*	*03/10/23 15:59*	*03/13/23 16:16*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	03/10/23 15:45	03/16/23 12:18	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	03/10/23 15:45	03/16/23 12:18	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	03/10/23 15:45	03/16/23 12:18	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	03/10/23 15:45	03/16/23 12:18	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	03/10/23 15:45	03/16/23 12:18	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	03/10/23 15:45	03/16/23 12:18	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	03/10/23 15:45	03/16/23 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*110*		*60 - 154*	*03/10/23 15:45*	*03/16/23 12:18*	*1*
Tetrachloro-m-xylene	*112*		*60 - 154*	*03/10/23 15:45*	*03/16/23 12:18*	*1*
DCB Decachlorobiphenyl	*107*		*65 - 174*	*03/10/23 15:45*	*03/16/23 12:18*	*1*
DCB Decachlorobiphenyl	*207*	*S1+*	*65 - 174*	*03/10/23 15:45*	*03/16/23 12:18*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8720**		12.0	5.3	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Antimony	**2.4**	**J**	17.9	0.48	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Arsenic	**5.8**		2.4	0.48	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Barium	**86.7**		0.60	0.13	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Beryllium	**0.75**		0.24	0.033	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Cadmium	**0.21**	**J**	0.24	0.036	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Calcium	**15600**		59.8	3.9	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-02-SS
Date Collected: 03/08/23 11:07
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-3
Matrix: Solid
Percent Solids: 79.1

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	16.7		0.60	0.24	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Cobalt	5.1		0.60	0.060	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Copper	18.9		1.2	0.25	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Iron	26800		12.0	4.2	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Lead	67.8		1.2	0.29	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Magnesium	1970		23.9	1.1	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Manganese	650		0.24	0.038	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Nickel	14.9		6.0	0.28	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Potassium	1460		35.9	23.9	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Selenium	1.2	J	4.8	0.48	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Silver	ND		0.72	0.24	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Sodium	611		167	15.5	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Thallium	ND		7.2	0.36	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Vanadium	18.0		0.60	0.13	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1
Zinc	74.0		2.4	0.77	mg/Kg	☼	03/10/23 13:00	03/14/23 16:50	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.025	0.0058	mg/Kg	☼	03/14/23 10:52	03/14/23 14:27	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-02-3-3.5'
Date Collected: 03/08/23 11:15
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-4
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.8	0.35	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.79	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,1,2-Trichloroethane	ND		4.8	0.63	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,1-Dichloroethane	ND		4.8	0.59	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,1-Dichloroethene	ND		4.8	0.59	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,2,4-Trichlorobenzene	ND		4.8	0.29	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,2-Dibromo-3-Chloropropane	ND		4.8	2.4	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,2-Dibromoethane	ND		4.8	0.62	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,2-Dichlorobenzene	ND		4.8	0.38	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,2-Dichloroethane	ND		4.8	0.24	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,2-Dichloropropane	ND		4.8	2.4	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,3-Dichlorobenzene	ND		4.8	0.25	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
1,4-Dichlorobenzene	ND		4.8	0.68	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
2-Butanone (MEK)	**2.9**	**J**	24	1.8	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
2-Hexanone	ND		24	2.4	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.6	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Acetone	**20**	**J**	24	4.1	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Benzene	ND		4.8	0.24	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Bromodichloromethane	ND		4.8	0.65	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Bromomethane	ND		4.8	0.44	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Carbon disulfide	ND		4.8	2.4	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Carbon tetrachloride	ND		4.8	0.47	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Chlorobenzene	ND		4.8	0.64	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Chloroethane	ND		4.8	1.1	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Chloroform	ND		4.8	0.30	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Chloromethane	ND		4.8	0.29	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
cis-1,2-Dichloroethene	ND		4.8	0.62	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
cis-1,3-Dichloropropene	ND		4.8	0.70	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Cyclohexane	ND		4.8	0.68	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Dibromochloromethane	ND		4.8	0.62	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Dichlorodifluoromethane	ND		4.8	0.40	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Ethylbenzene	ND		4.8	0.33	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Isopropylbenzene	ND		4.8	0.73	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Methyl acetate	ND		24	2.9	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Methyl tert-butyl ether	ND		4.8	0.48	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Methylcyclohexane	ND		4.8	0.74	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Methylene Chloride	ND		4.8	2.2	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Styrene	ND		4.8	0.24	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Tetrachloroethene	ND		4.8	0.65	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Toluene	ND		4.8	0.37	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
trans-1,2-Dichloroethene	ND		4.8	0.50	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
trans-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Trichloroethene	ND		4.8	1.1	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Trichlorofluoromethane	ND		4.8	0.46	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Vinyl chloride	ND		4.8	0.59	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1
Xylenes, Total	ND		9.7	0.81	ug/Kg	☼	03/09/23 10:00	03/13/23 16:26	1

Client Sample ID: SB-02-3-3.5'
Date Collected: 03/08/23 11:15
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-4
Matrix: Solid
Percent Solids: 82.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126	03/09/23 10:00	03/13/23 16:26	1
4-Bromofluorobenzene (Surr)	102		72 - 126	03/09/23 10:00	03/13/23 16:26	1
Dibromofluoromethane (Surr)	107		60 - 140	03/09/23 10:00	03/13/23 16:26	1
Toluene-d8 (Surr)	99		71 - 125	03/09/23 10:00	03/13/23 16:26	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		200	30	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2,4,5-Trichlorophenol	ND		200	55	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2,4,6-Trichlorophenol	ND		200	41	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2,4-Dichlorophenol	ND		200	22	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2,4-Dimethylphenol	ND		200	49	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2,4-Dinitrophenol	ND		2000	940	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2,4-Dinitrotoluene	ND		200	42	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2-Chloronaphthalene	ND		200	34	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2-Chlorophenol	ND		400	37	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2-Methylphenol	ND		200	24	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2-Methylnaphthalene	ND		200	41	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2-Nitroaniline	ND		400	30	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
2-Nitrophenol	ND		200	58	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
3,3'-Dichlorobenzidine	ND		400	240	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
3-Nitroaniline	ND		400	56	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
4,6-Dinitro-2-methylphenol	ND		400	200	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
4-Bromophenyl phenyl ether	ND		200	29	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
4-Chloro-3-methylphenol	ND		200	50	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
4-Chloroaniline	ND		200	50	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
4-Methylphenol	ND		400	24	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
4-Nitroaniline	ND		400	110	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
4-Nitrophenol	ND		400	140	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Acenaphthene	ND		200	30	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Acenaphthylene	ND		200	26	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Acetophenone	ND		200	28	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Anthracene	ND		200	50	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Atrazine	ND		200	71	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Benzaldehyde	ND		200	160	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Benzo[a]anthracene	**20**	**J**	200	20	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Benzo[a]pyrene	ND		200	30	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Benzo[b]fluoranthene	ND		200	32	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Benzo[g,h,i]perylene	ND		200	22	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Benzo[k]fluoranthene	ND		200	26	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Bis(2-chloroethoxy)methane	ND		200	43	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Bis(2-ethylhexyl) phthalate	ND		200	70	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Butyl benzyl phthalate	ND		200	34	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Caprolactam	ND		200	61	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Carbazole	ND		200	24	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Chrysene	ND		200	46	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1

Client Sample ID: SB-02-3-3.5'
Date Collected: 03/08/23 11:15
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-4
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		200	36	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Di-n-butyl phthalate	ND		200	35	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Dibenzofuran	ND		200	24	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Dimethyl phthalate	ND		200	24	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Fluoranthene	**34**	**J**	200	22	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Fluorene	ND		200	24	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Hexachlorobenzene	ND		200	28	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Hexachlorocyclopentadiene	ND		200	28	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Hexachloroethane	ND		200	26	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Indeno[1,2,3-cd]pyrene	ND		200	25	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Isophorone	ND		200	43	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
N-Nitrosodi-n-propylamine	ND		200	35	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
N-Nitrosodiphenylamine	ND		200	170	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Naphthalene	ND		200	26	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Nitrobenzene	ND		200	23	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Pentachlorophenol	ND		400	200	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Phenanthrene	**38**	**J**	200	30	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Phenol	ND		200	31	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1
Pyrene	**24**	**J**	200	24	ug/Kg	☼	03/10/23 15:59	03/13/23 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*55*		*53 - 120*	*03/10/23 15:59*	*03/13/23 16:40*	*1*
Phenol-d5 (Surr)	*58*		*54 - 120*	*03/10/23 15:59*	*03/13/23 16:40*	*1*
p-Terphenyl-d14 (Surr)	*58*	*S1-*	*79 - 130*	*03/10/23 15:59*	*03/13/23 16:40*	*1*
2,4,6-Tribromophenol (Surr)	*45*	*S1-*	*54 - 120*	*03/10/23 15:59*	*03/13/23 16:40*	*1*
2-Fluorobiphenyl (Surr)	*55*	*S1-*	*60 - 120*	*03/10/23 15:59*	*03/13/23 16:40*	*1*
2-Fluorophenol (Surr)	*55*		*52 - 120*	*03/10/23 15:59*	*03/13/23 16:40*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.044	mg/Kg	☼	03/10/23 15:45	03/16/23 12:32	1
PCB-1221	ND		0.22	0.044	mg/Kg	☼	03/10/23 15:45	03/16/23 12:32	1
PCB-1232	ND		0.22	0.044	mg/Kg	☼	03/10/23 15:45	03/16/23 12:32	1
PCB-1242	ND		0.22	0.044	mg/Kg	☼	03/10/23 15:45	03/16/23 12:32	1
PCB-1248	ND		0.22	0.044	mg/Kg	☼	03/10/23 15:45	03/16/23 12:32	1
PCB-1254	ND		0.22	0.10	mg/Kg	☼	03/10/23 15:45	03/16/23 12:32	1
PCB-1260	ND		0.22	0.10	mg/Kg	☼	03/10/23 15:45	03/16/23 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*03/10/23 15:45*	*03/16/23 12:32*	*1*
Tetrachloro-m-xylene	*109*		*60 - 154*	*03/10/23 15:45*	*03/16/23 12:32*	*1*
DCB Decachlorobiphenyl	*115*		*65 - 174*	*03/10/23 15:45*	*03/16/23 12:32*	*1*
DCB Decachlorobiphenyl	*82*		*65 - 174*	*03/10/23 15:45*	*03/16/23 12:32*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13600**		12.2	5.4	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-02-3-3.5'
Date Collected: 03/08/23 11:15
Date Received: 03/08/23 16:45

Lab Sample ID: 480-206760-4
Matrix: Solid
Percent Solids: 82.5

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.0	J	18.3	0.49	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Arsenic	3.9		2.4	0.49	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Barium	135		0.61	0.13	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Beryllium	2.6		0.24	0.034	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Cadmium	0.039	J	0.24	0.037	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Calcium	85000		61.0	4.0	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Chromium	11.0		0.61	0.24	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Cobalt	3.6		0.61	0.061	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Copper	9.1		1.2	0.26	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Iron	17000		12.2	4.3	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Lead	23.4		1.2	0.29	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Magnesium	10800		24.4	1.1	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Manganese	2270		0.24	0.039	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Nickel	6.8		6.1	0.28	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Potassium	1310		36.6	24.4	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Selenium	0.78	J	4.9	0.49	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Silver	ND		0.73	0.24	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Sodium	715		171	15.9	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Thallium	ND		7.3	0.37	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Vanadium	13.2		0.61	0.13	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1
Zinc	27.3		2.4	0.78	mg/Kg	☼	03/10/23 13:00	03/14/23 16:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	J	0.022	0.0051	mg/Kg	☼	03/14/23 10:52	03/14/23 14:28	1

Surrogate Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-206760-2	SB-01-3.5-4'	104	99	103	101
480-206760-4	SB-02-3-3.5'	105	102	107	99
LCS 480-661313/1-A	Lab Control Sample	96	97	102	100
LCS 480-661501/1-A	Lab Control Sample	104	99	102	98
LCSD 480-661313/2-A	Lab Control Sample Dup	98	98	103	100
LCSD 480-661501/2-A	Lab Control Sample Dup	102	102	102	99
MB 480-661313/3-A	Method Blank	95	102	101	98
MB 480-661501/3-A	Method Blank	99	101	105	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	PHL	TPHd14	TBP	FBP	2FP
Lab Sample ID	Client Sample ID	(53-120)	(54-120)	(79-130)	(54-120)	(60-120)	(52-120)
480-206760-1	SB-01-SS	89	88	90	0 S1-	85	84
480-206760-2	SB-01-3.5-4'	65	62	67 S1-	56	66	60
480-206760-3	SB-02-SS	65	68	71 S1-	53 S1-	66	65
480-206760-4	SB-02-3-3.5'	55	58	58 S1-	45 S1-	55 S1-	55
LCS 480-661199/2-A	Lab Control Sample	71	73	77 S1-	75	73	68
MB 480-661199/1-A	Method Blank	72	76	82	59	75	70

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(60-154)	(65-174)	(65-174)
480-206760-1	SB-01-SS	97	104	102	88
480-206760-2	SB-01-3.5-4'	101	102	99	77
480-206760-3	SB-02-SS	110	112	107	207 S1+
480-206760-4	SB-02-3-3.5'	106	109	115	82
LCS 480-661197/2-A	Lab Control Sample	120	120	122	96
MB 480-661197/1-A	Method Blank	103	110	120	86

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-661313/3-A
Matrix: Solid
Analysis Batch: 661315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661313

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
2-Hexanone	ND		25	2.5	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Acetone	ND		25	4.2	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Benzene	ND		5.0	0.25	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Bromoform	ND		5.0	2.5	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Bromomethane	ND		5.0	0.45	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Chloroethane	ND		5.0	1.1	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Chloroform	0.477	J	5.0	0.31	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Chloromethane	ND		5.0	0.30	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Cyclohexane	ND		5.0	0.70	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Methyl acetate	ND		25	3.0	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Styrene	ND		5.0	0.25	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Toluene	ND		5.0	0.38	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Trichloroethene	ND		5.0	1.1	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		03/13/23 11:30	03/13/23 15:18	1
Xylenes, Total	ND		10	0.84	ug/Kg		03/13/23 11:30	03/13/23 15:18	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-661313/3-A
Matrix: Solid
Analysis Batch: 661315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661313

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*95*		*64 - 126*	*03/13/23 11:30*	*03/13/23 15:18*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*	*03/13/23 11:30*	*03/13/23 15:18*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*03/13/23 11:30*	*03/13/23 15:18*	*1*
Toluene-d8 (Surr)	*98*		*71 - 125*	*03/13/23 11:30*	*03/13/23 15:18*	*1*

Lab Sample ID: LCS 480-661313/1-A
Matrix: Solid
Analysis Batch: 661315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661313

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	50.8		ug/Kg		102	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.2		ug/Kg		102	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.1		ug/Kg		96	60 - 140
1,1,2-Trichloroethane	50.0	48.2		ug/Kg		96	78 - 122
1,1-Dichloroethane	50.0	51.7		ug/Kg		103	73 - 126
1,1-Dichloroethene	50.0	49.8		ug/Kg		100	59 - 125
1,2,4-Trichlorobenzene	50.0	44.2		ug/Kg		88	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	44.5		ug/Kg		89	63 - 124
1,2-Dibromoethane	50.0	47.9		ug/Kg		96	78 - 120
1,2-Dichlorobenzene	50.0	48.5		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	48.1		ug/Kg		96	77 - 122
1,2-Dichloropropane	50.0	50.1		ug/Kg		100	75 - 124
1,3-Dichlorobenzene	50.0	49.1		ug/Kg		98	74 - 120
1,4-Dichlorobenzene	50.0	48.2		ug/Kg		96	73 - 120
2-Butanone (MEK)	250	204		ug/Kg		81	70 - 134
2-Hexanone	250	240		ug/Kg		96	59 - 130
4-Methyl-2-pentanone (MIBK)	250	238		ug/Kg		95	65 - 133
Acetone	250	157		ug/Kg		63	61 - 137
Benzene	50.0	50.0		ug/Kg		100	79 - 127
Bromodichloromethane	50.0	50.4		ug/Kg		101	80 - 122
Bromoform	50.0	51.8		ug/Kg		104	68 - 126
Bromomethane	50.0	55.6		ug/Kg		111	37 - 149
Carbon disulfide	50.0	51.4		ug/Kg		103	64 - 131
Carbon tetrachloride	50.0	50.5		ug/Kg		101	75 - 135
Chlorobenzene	50.0	48.6		ug/Kg		97	76 - 124
Chloroethane	50.0	52.6		ug/Kg		105	69 - 135
Chloroform	50.0	51.6		ug/Kg		103	80 - 120
Chloromethane	50.0	54.4		ug/Kg		109	63 - 127
cis-1,2-Dichloroethene	50.0	51.2		ug/Kg		102	81 - 120
cis-1,3-Dichloropropene	50.0	50.1		ug/Kg		100	80 - 120
Cyclohexane	50.0	48.3		ug/Kg		97	65 - 120
Dibromochloromethane	50.0	51.0		ug/Kg		102	76 - 125
Dichlorodifluoromethane	50.0	58.8		ug/Kg		118	57 - 142
Ethylbenzene	50.0	49.6		ug/Kg		99	80 - 120
Isopropylbenzene	50.0	54.4		ug/Kg		109	72 - 120
Methyl acetate	100	80.8		ug/Kg		81	55 - 136
Methyl tert-butyl ether	50.0	50.3		ug/Kg		101	63 - 125
Methylcyclohexane	50.0	50.3		ug/Kg		101	60 - 140

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-661313/1-A
Matrix: Solid
Analysis Batch: 661315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661313

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Chloride			50.0	56.7		ug/Kg		113	61 - 127		
Styrene			50.0	50.2		ug/Kg		100	80 - 120		
Tetrachloroethene			50.0	48.3		ug/Kg		97	74 - 122		
Toluene			50.0	49.6		ug/Kg		99	74 - 128		
trans-1,2-Dichloroethene			50.0	53.2		ug/Kg		106	78 - 126		
Trichloroethene			50.0	49.1		ug/Kg		98	77 - 129		
Trichlorofluoromethane			50.0	51.3		ug/Kg		103	65 - 146		
Vinyl chloride			50.0	53.6		ug/Kg		107	61 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*
Dibromofluoromethane (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*100*		*71 - 125*

Lab Sample ID: LCSD 480-661313/2-A
Matrix: Solid
Analysis Batch: 661315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661313

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			50.0	49.2		ug/Kg		98	77 - 121	3	20
1,1,2,2-Tetrachloroethane			50.0	51.0		ug/Kg		102	80 - 120	0	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne			50.0	47.0		ug/Kg		94	60 - 140	2	20
1,1,2-Trichloroethane			50.0	49.2		ug/Kg		98	78 - 122	2	20
1,1-Dichloroethane			50.0	50.5		ug/Kg		101	73 - 126	2	20
1,1-Dichloroethene			50.0	50.3		ug/Kg		101	59 - 125	1	20
1,2,4-Trichlorobenzene			50.0	44.5		ug/Kg		89	64 - 120	1	20
1,2-Dibromo-3-Chloropropane			50.0	46.3		ug/Kg		93	63 - 124	4	20
1,2-Dibromoethane			50.0	49.1		ug/Kg		98	78 - 120	2	20
1,2-Dichlorobenzene			50.0	48.1		ug/Kg		96	75 - 120	1	20
1,2-Dichloroethane			50.0	49.6		ug/Kg		99	77 - 122	3	20
1,2-Dichloropropane			50.0	50.0		ug/Kg		100	75 - 124	0	20
1,3-Dichlorobenzene			50.0	48.1		ug/Kg		96	74 - 120	2	20
1,4-Dichlorobenzene			50.0	47.4		ug/Kg		95	73 - 120	2	20
2-Butanone (MEK)			250	218		ug/Kg		87	70 - 134	7	20
2-Hexanone			250	247		ug/Kg		99	59 - 130	3	20
4-Methyl-2-pentanone (MIBK)			250	245		ug/Kg		98	65 - 133	3	20
Acetone			250	171		ug/Kg		68	61 - 137	9	20
Benzene			50.0	49.4		ug/Kg		99	79 - 127	1	20
Bromodichloromethane			50.0	50.5		ug/Kg		101	80 - 122	0	20
Bromoform			50.0	52.1		ug/Kg		104	68 - 126	1	20
Bromomethane			50.0	54.3		ug/Kg		109	37 - 149	2	20
Carbon disulfide			50.0	50.6		ug/Kg		101	64 - 131	2	20
Carbon tetrachloride			50.0	48.7		ug/Kg		97	75 - 135	4	20
Chlorobenzene			50.0	47.9		ug/Kg		96	76 - 124	2	20
Chloroethane			50.0	51.8		ug/Kg		104	69 - 135	1	20
Chloroform			50.0	51.2		ug/Kg		102	80 - 120	1	20
Chloromethane			50.0	54.0		ug/Kg		108	63 - 127	1	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-661313/2-A
Matrix: Solid
Analysis Batch: 661315

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661313

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			50.0	50.1		ug/Kg		100	81 - 120	2	20
cis-1,3-Dichloropropene			50.0	50.3		ug/Kg		101	80 - 120	0	20
Cyclohexane			50.0	46.0		ug/Kg		92	65 - 120	5	20
Dibromochloromethane			50.0	51.6		ug/Kg		103	76 - 125	1	20
Dichlorodifluoromethane			50.0	57.5		ug/Kg		115	57 - 142	2	20
Ethylbenzene			50.0	48.5		ug/Kg		97	80 - 120	2	20
Isopropylbenzene			50.0	52.4		ug/Kg		105	72 - 120	4	20
Methyl acetate			100	89.5		ug/Kg		89	55 - 136	10	20
Methyl tert-butyl ether			50.0	50.4		ug/Kg		101	63 - 125	0	20
Methylcyclohexane			50.0	47.9		ug/Kg		96	60 - 140	5	20
Methylene Chloride			50.0	58.2		ug/Kg		116	61 - 127	3	20
Styrene			50.0	49.3		ug/Kg		99	80 - 120	2	20
Tetrachloroethene			50.0	46.3		ug/Kg		93	74 - 122	4	20
Toluene			50.0	47.9		ug/Kg		96	74 - 128	3	20
trans-1,2-Dichloroethene			50.0	51.3		ug/Kg		103	78 - 126	4	20
Trichloroethene			50.0	48.0		ug/Kg		96	77 - 129	2	20
Trichlorofluoromethane			50.0	49.9		ug/Kg		100	65 - 146	3	20
Vinyl chloride			50.0	52.3		ug/Kg		105	61 - 133	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 126*
Dibromofluoromethane (Surr)	*103*		*60 - 140*
Toluene-d8 (Surr)	*100*		*71 - 125*

Lab Sample ID: MB 480-661501/3-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
2-Hexanone	ND		25	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Acetone	ND		25	4.2	ug/Kg		03/14/23 16:54	03/14/23 20:48	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-661501/3-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.25	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Bromoform	ND		5.0	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Bromomethane	ND		5.0	0.45	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Chloroethane	ND		5.0	1.1	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Chloroform	0.331	J	5.0	0.31	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Chloromethane	ND		5.0	0.30	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Cyclohexane	ND		5.0	0.70	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Methyl acetate	ND		25	3.0	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Methylene Chloride	3.42	J	5.0	2.3	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Styrene	ND		5.0	0.25	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Toluene	ND		5.0	0.38	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Trichloroethene	ND		5.0	1.1	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Xylenes, Total	ND		10	0.84	ug/Kg		03/14/23 16:54	03/14/23 20:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*	*03/14/23 16:54*	*03/14/23 20:48*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*	*03/14/23 16:54*	*03/14/23 20:48*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*03/14/23 16:54*	*03/14/23 20:48*	*1*
Toluene-d8 (Surr)	*98*		*71 - 125*	*03/14/23 16:54*	*03/14/23 20:48*	*1*

Lab Sample ID: LCS 480-661501/1-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	53.6		ug/Kg		107	77 - 121
1,1,2,2-Tetrachloroethane	50.0	47.6		ug/Kg		95	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.1		ug/Kg		94	60 - 140
1,1,2-Trichloroethane	50.0	46.8		ug/Kg		94	78 - 122
1,1-Dichloroethane	50.0	51.3		ug/Kg		103	73 - 126
1,1-Dichloroethene	50.0	51.0		ug/Kg		102	59 - 125

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-661501/1-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	50.0	49.5		ug/Kg		99	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	53.8		ug/Kg		108	63 - 124
1,2-Dibromoethane	50.0	47.6		ug/Kg		95	78 - 120
1,2-Dichlorobenzene	50.0	47.0		ug/Kg		94	75 - 120
1,2-Dichloroethane	50.0	47.7		ug/Kg		95	77 - 122
1,2-Dichloropropane	50.0	49.9		ug/Kg		100	75 - 124
1,3-Dichlorobenzene	50.0	48.0		ug/Kg		96	74 - 120
1,4-Dichlorobenzene	50.0	47.2		ug/Kg		94	73 - 120
2-Butanone (MEK)	250	248		ug/Kg		99	70 - 134
2-Hexanone	250	248		ug/Kg		99	59 - 130
4-Methyl-2-pentanone (MIBK)	250	245		ug/Kg		98	65 - 133
Acetone	250	233		ug/Kg		93	61 - 137
Benzene	50.0	50.6		ug/Kg		101	79 - 127
Bromodichloromethane	50.0	51.8		ug/Kg		104	80 - 122
Bromoform	50.0	52.9		ug/Kg		106	68 - 126
Bromomethane	50.0	52.9		ug/Kg		106	37 - 149
Carbon disulfide	50.0	49.6		ug/Kg		99	64 - 131
Carbon tetrachloride	50.0	56.8		ug/Kg		114	75 - 135
Chlorobenzene	50.0	48.8		ug/Kg		98	76 - 124
Chloroethane	50.0	56.4		ug/Kg		113	69 - 135
Chloroform	50.0	48.9		ug/Kg		98	80 - 120
Chloromethane	50.0	54.3		ug/Kg		109	63 - 127
cis-1,2-Dichloroethene	50.0	49.9		ug/Kg		100	81 - 120
cis-1,3-Dichloropropene	50.0	54.1		ug/Kg		108	80 - 120
Cyclohexane	50.0	53.1		ug/Kg		106	65 - 120
Dibromochloromethane	50.0	52.3		ug/Kg		105	76 - 125
Dichlorodifluoromethane	50.0	63.3		ug/Kg		127	57 - 142
Ethylbenzene	50.0	49.9		ug/Kg		100	80 - 120
Isopropylbenzene	50.0	51.6		ug/Kg		103	72 - 120
Methyl acetate	100	98.8		ug/Kg		99	55 - 136
Methyl tert-butyl ether	50.0	48.8		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	55.5		ug/Kg		111	60 - 140
Methylene Chloride	50.0	55.1		ug/Kg		110	61 - 127
Styrene	50.0	49.6		ug/Kg		99	80 - 120
Tetrachloroethene	50.0	56.0		ug/Kg		112	74 - 122
Toluene	50.0	49.1		ug/Kg		98	74 - 128
trans-1,2-Dichloroethene	50.0	51.5		ug/Kg		103	78 - 126
Trichloroethene	50.0	53.2		ug/Kg		106	77 - 129
Trichlorofluoromethane	50.0	58.3		ug/Kg		117	65 - 146
Vinyl chloride	50.0	57.2		ug/Kg		114	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*
Dibromofluoromethane (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*98*		*71 - 125*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-661501/2-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661501

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	51.0		ug/Kg		102	77 - 121	5	20
1,1,2,2-Tetrachloroethane	50.0	47.5		ug/Kg		95	80 - 120	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	44.2		ug/Kg		88	60 - 140	6	20
1,1,2-Trichloroethane	50.0	45.6		ug/Kg		91	78 - 122	2	20
1,1-Dichloroethane	50.0	48.9		ug/Kg		98	73 - 126	5	20
1,1-Dichloroethene	50.0	48.4		ug/Kg		97	59 - 125	5	20
1,2,4-Trichlorobenzene	50.0	48.1		ug/Kg		96	64 - 120	3	20
1,2-Dibromo-3-Chloropropane	50.0	53.2		ug/Kg		106	63 - 124	1	20
1,2-Dibromoethane	50.0	47.9		ug/Kg		96	78 - 120	1	20
1,2-Dichlorobenzene	50.0	45.9		ug/Kg		92	75 - 120	2	20
1,2-Dichloroethane	50.0	47.0		ug/Kg		94	77 - 122	1	20
1,2-Dichloropropane	50.0	48.7		ug/Kg		97	75 - 124	2	20
1,3-Dichlorobenzene	50.0	46.7		ug/Kg		93	74 - 120	3	20
1,4-Dichlorobenzene	50.0	46.2		ug/Kg		92	73 - 120	2	20
2-Butanone (MEK)	250	240		ug/Kg		96	70 - 134	3	20
2-Hexanone	250	248		ug/Kg		99	59 - 130	0	20
4-Methyl-2-pentanone (MIBK)	250	247		ug/Kg		99	65 - 133	1	20
Acetone	250	230		ug/Kg		92	61 - 137	2	20
Benzene	50.0	48.9		ug/Kg		98	79 - 127	4	20
Bromodichloromethane	50.0	51.1		ug/Kg		102	80 - 122	1	20
Bromoform	50.0	53.4		ug/Kg		107	68 - 126	1	20
Bromomethane	50.0	52.5		ug/Kg		105	37 - 149	1	20
Carbon disulfide	50.0	46.9		ug/Kg		94	64 - 131	6	20
Carbon tetrachloride	50.0	53.1		ug/Kg		106	75 - 135	7	20
Chlorobenzene	50.0	47.1		ug/Kg		94	76 - 124	4	20
Chloroethane	50.0	54.4		ug/Kg		109	69 - 135	4	20
Chloroform	50.0	47.5		ug/Kg		95	80 - 120	3	20
Chloromethane	50.0	51.8		ug/Kg		104	63 - 127	5	20
cis-1,2-Dichloroethene	50.0	49.3		ug/Kg		99	81 - 120	1	20
cis-1,3-Dichloropropene	50.0	52.8		ug/Kg		106	80 - 120	2	20
Cyclohexane	50.0	49.5		ug/Kg		99	65 - 120	7	20
Dibromochloromethane	50.0	51.9		ug/Kg		104	76 - 125	1	20
Dichlorodifluoromethane	50.0	58.3		ug/Kg		117	57 - 142	8	20
Ethylbenzene	50.0	48.1		ug/Kg		96	80 - 120	4	20
Isopropylbenzene	50.0	49.2		ug/Kg		98	72 - 120	5	20
Methyl acetate	100	97.0		ug/Kg		97	55 - 136	2	20
Methyl tert-butyl ether	50.0	48.8		ug/Kg		98	63 - 125	0	20
Methylcyclohexane	50.0	51.0		ug/Kg		102	60 - 140	8	20
Methylene Chloride	50.0	55.0		ug/Kg		110	61 - 127	0	20
Styrene	50.0	48.6		ug/Kg		97	80 - 120	2	20
Tetrachloroethene	50.0	55.8		ug/Kg		112	74 - 122	0	20
Toluene	50.0	47.7		ug/Kg		95	74 - 128	3	20
trans-1,2-Dichloroethene	50.0	49.4		ug/Kg		99	78 - 126	4	20
Trichloroethene	50.0	50.0		ug/Kg		100	77 - 129	6	20
Trichlorofluoromethane	50.0	53.8		ug/Kg		108	65 - 146	8	20
Vinyl chloride	50.0	53.8		ug/Kg		108	61 - 133	6	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-661501/2-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661501

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
4-Bromofluorobenzene (Surr)	102		72 - 126
Dibromofluoromethane (Surr)	102		60 - 140
Toluene-d8 (Surr)	99		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-661199/1-A
Matrix: Solid
Analysis Batch: 661256

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2,4-Dinitrophenol	ND		1600	780	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2-Chloronaphthalene	ND		170	28	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2-Chlorophenol	ND		330	31	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2-Methylphenol	ND		170	20	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2-Methylnaphthalene	ND		170	34	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2-Nitroaniline	ND		330	25	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
2-Nitrophenol	ND		170	48	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
3-Nitroaniline	ND		330	47	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
4-Chloroaniline	ND		170	42	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
4-Methylphenol	ND		330	20	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
4-Nitroaniline	ND		330	88	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
4-Nitrophenol	ND		330	120	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Acenaphthene	ND		170	25	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Acenaphthylene	ND		170	22	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Acetophenone	ND		170	23	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Anthracene	ND		170	42	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Atrazine	ND		170	59	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Benzaldehyde	ND		170	130	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Benzo[a]anthracene	ND		170	17	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Benzo[a]pyrene	ND		170	25	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		03/10/23 15:59	03/13/23 11:23	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-661199/1-A
Matrix: Solid
Analysis Batch: 661256

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Bis(2-ethylhexyl) phthalate	ND		170	58	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Caprolactam	ND		170	51	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Carbazole	ND		170	20	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Chrysene	ND		170	38	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Dibenzofuran	ND		170	20	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Diethyl phthalate	ND		170	22	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Dimethyl phthalate	ND		170	20	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Fluoranthene	ND		170	18	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Fluorene	ND		170	20	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Hexachlorobenzene	ND		170	23	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Hexachlorobutadiene	ND		170	25	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Hexachloroethane	ND		170	22	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Isophorone	ND		170	36	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Naphthalene	ND		170	22	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Nitrobenzene	ND		170	19	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Pentachlorophenol	ND		330	170	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Phenanthrene	ND		170	25	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Phenol	ND		170	26	ug/Kg		03/10/23 15:59	03/13/23 11:23	1
Pyrene	ND		170	20	ug/Kg		03/10/23 15:59	03/13/23 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*72*		*53 - 120*	*03/10/23 15:59*	*03/13/23 11:23*	*1*
Phenol-d5 (Surr)	*76*		*54 - 120*	*03/10/23 15:59*	*03/13/23 11:23*	*1*
p-Terphenyl-d14 (Surr)	*82*		*79 - 130*	*03/10/23 15:59*	*03/13/23 11:23*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*54 - 120*	*03/10/23 15:59*	*03/13/23 11:23*	*1*
2-Fluorobiphenyl (Surr)	*75*		*60 - 120*	*03/10/23 15:59*	*03/13/23 11:23*	*1*
2-Fluorophenol (Surr)	*70*		*52 - 120*	*03/10/23 15:59*	*03/13/23 11:23*	*1*

Lab Sample ID: LCS 480-661199/2-A
Matrix: Solid
Analysis Batch: 661256

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	1650	1270		ug/Kg		77	59 - 120
bis (2-chloroisopropyl) ether	1650	1390		ug/Kg		84	44 - 120
2,4,5-Trichlorophenol	1650	1300		ug/Kg		79	59 - 126
2,4,6-Trichlorophenol	1650	1270		ug/Kg		77	59 - 123
2,4-Dichlorophenol	1650	1270		ug/Kg		77	61 - 120
2,4-Dimethylphenol	1650	1350		ug/Kg		82	59 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-661199/2-A
Matrix: Solid
Analysis Batch: 661256

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrophenol	3310	2440		ug/Kg		74	41 - 146
2,4-Dinitrotoluene	1650	1340		ug/Kg		81	63 - 120
2,6-Dinitrotoluene	1650	1390		ug/Kg		84	66 - 120
2-Chloronaphthalene	1650	1240		ug/Kg		75	57 - 120
2-Chlorophenol	1650	1220		ug/Kg		74	53 - 120
2-Methylphenol	1650	1270		ug/Kg		77	54 - 120
2-Methylnaphthalene	1650	1340		ug/Kg		81	59 - 120
2-Nitroaniline	1650	1440		ug/Kg		87	61 - 120
2-Nitrophenol	1650	1270		ug/Kg		77	56 - 120
3,3'-Dichlorobenzidine	3310	2420		ug/Kg		73	54 - 120
3-Nitroaniline	1650	1240		ug/Kg		75	48 - 120
4,6-Dinitro-2-methylphenol	3310	3000		ug/Kg		91	49 - 122
4-Bromophenyl phenyl ether	1650	1410		ug/Kg		85	58 - 120
4-Chloro-3-methylphenol	1650	1410		ug/Kg		85	61 - 120
4-Chloroaniline	1650	1130		ug/Kg		69	38 - 120
4-Chlorophenyl phenyl ether	1650	1270		ug/Kg		77	63 - 124
4-Methylphenol	1650	1330		ug/Kg		80	55 - 120
4-Nitroaniline	1650	1320		ug/Kg		80	56 - 120
4-Nitrophenol	3310	2600		ug/Kg		79	43 - 147
Acenaphthene	1650	1300		ug/Kg		79	62 - 120
Acenaphthylene	1650	1290		ug/Kg		78	58 - 121
Acetophenone	1650	1250		ug/Kg		76	54 - 120
Anthracene	1650	1420		ug/Kg		86	62 - 120
Atrazine	3310	2850		ug/Kg		86	60 - 127
Benzaldehyde	3310	2350		ug/Kg		71	10 - 150
Benzo[a]anthracene	1650	1300		ug/Kg		79	65 - 120
Benzo[a]pyrene	1650	1480		ug/Kg		89	64 - 120
Benzo[b]fluoranthene	1650	1510		ug/Kg		92	64 - 120
Benzo[g,h,i]perylene	1650	1580		ug/Kg		95	45 - 145
Benzo[k]fluoranthene	1650	1460		ug/Kg		88	65 - 120
Bis(2-chloroethoxy)methane	1650	1290		ug/Kg		78	55 - 120
Bis(2-chloroethyl)ether	1650	1190		ug/Kg		72	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1320		ug/Kg		80	61 - 133
Butyl benzyl phthalate	1650	1360		ug/Kg		82	61 - 129
Caprolactam	3310	2870		ug/Kg		87	47 - 120
Carbazole	1650	1480		ug/Kg		90	65 - 120
Chrysene	1650	1300		ug/Kg		79	64 - 120
Dibenz(a,h)anthracene	1650	1510		ug/Kg		92	54 - 132
Di-n-butyl phthalate	1650	1470		ug/Kg		89	58 - 130
Di-n-octyl phthalate	1650	1380		ug/Kg		84	57 - 133
Dibenzofuran	1650	1310		ug/Kg		79	63 - 120
Diethyl phthalate	1650	1390		ug/Kg		84	66 - 120
Dimethyl phthalate	1650	1360		ug/Kg		82	65 - 124
Fluoranthene	1650	1500		ug/Kg		91	62 - 120
Fluorene	1650	1340		ug/Kg		81	63 - 120
Hexachlorobenzene	1650	1370		ug/Kg		83	60 - 120
Hexachlorobutadiene	1650	1150		ug/Kg		70	45 - 120
Hexachlorocyclopentadiene	1650	1030		ug/Kg		62	47 - 120
Hexachloroethane	1650	1050		ug/Kg		64	41 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-661199/2-A
Matrix: Solid
Analysis Batch: 661256

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	1650	1610		ug/Kg		97	56 - 134
Isophorone	1650	1340		ug/Kg		81	56 - 120
N-Nitrosodi-n-propylamine	1650	1320		ug/Kg		80	52 - 120
N-Nitrosodiphenylamine	1650	1470		ug/Kg		89	51 - 128
Naphthalene	1650	1200		ug/Kg		73	55 - 120
Nitrobenzene	1650	1280		ug/Kg		77	54 - 120
Pentachlorophenol	3310	1970		ug/Kg		59	51 - 120
Phenanthrene	1650	1460		ug/Kg		88	60 - 120
Phenol	1650	1290		ug/Kg		78	53 - 120
Pyrene	1650	1360		ug/Kg		82	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*71*		*53 - 120*
Phenol-d5 (Surr)	*73*		*54 - 120*
p-Terphenyl-d14 (Surr)	*77*	*S1-*	*79 - 130*
2,4,6-Tribromophenol (Surr)	*75*		*54 - 120*
2-Fluorobiphenyl (Surr)	*73*		*60 - 120*
2-Fluorophenol (Surr)	*68*		*52 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-661197/1-A
Matrix: Solid
Analysis Batch: 661670

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661197

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.039	mg/Kg		03/10/23 15:45	03/16/23 08:57	1
PCB-1221	ND		0.20	0.039	mg/Kg		03/10/23 15:45	03/16/23 08:57	1
PCB-1232	ND		0.20	0.039	mg/Kg		03/10/23 15:45	03/16/23 08:57	1
PCB-1242	ND		0.20	0.039	mg/Kg		03/10/23 15:45	03/16/23 08:57	1
PCB-1248	ND		0.20	0.039	mg/Kg		03/10/23 15:45	03/16/23 08:57	1
PCB-1254	ND		0.20	0.092	mg/Kg		03/10/23 15:45	03/16/23 08:57	1
PCB-1260	ND		0.20	0.092	mg/Kg		03/10/23 15:45	03/16/23 08:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*60 - 154*	*03/10/23 15:45*	*03/16/23 08:57*	*1*
Tetrachloro-m-xylene	*110*		*60 - 154*	*03/10/23 15:45*	*03/16/23 08:57*	*1*
DCB Decachlorobiphenyl	*120*		*65 - 174*	*03/10/23 15:45*	*03/16/23 08:57*	*1*
DCB Decachlorobiphenyl	*86*		*65 - 174*	*03/10/23 15:45*	*03/16/23 08:57*	*1*

Lab Sample ID: LCS 480-661197/2-A
Matrix: Solid
Analysis Batch: 661670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661197

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	2.16	2.75		mg/Kg		127	51 - 185
PCB-1260	2.16	2.63		mg/Kg		121	61 - 184

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-661197/2-A
Matrix: Solid
Analysis Batch: 661670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661197

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	*120*		*60 - 154*
Tetrachloro-m-xylene	*120*		*60 - 154*
DCB Decachlorobiphenyl	*122*		*65 - 174*
DCB Decachlorobiphenyl	*96*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-661139/1-A
Matrix: Solid
Analysis Batch: 661598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661139

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.5	4.2	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Antimony	ND		14.2	0.38	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Arsenic	ND		1.9	0.38	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Barium	ND		0.47	0.10	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Beryllium	ND		0.19	0.027	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Cadmium	ND		0.19	0.028	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Calcium	ND		47.4	3.1	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Chromium	ND		0.47	0.19	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Cobalt	ND		0.47	0.047	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Copper	ND		0.95	0.20	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Iron	ND		9.5	3.3	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Lead	ND		0.95	0.23	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Magnesium	ND		19.0	0.88	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Manganese	ND		0.19	0.030	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Nickel	ND		4.7	0.22	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Potassium	ND		28.5	19.0	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Selenium	ND		3.8	0.38	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Silver	ND		0.57	0.19	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Sodium	ND		133	12.3	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Thallium	ND		5.7	0.28	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Vanadium	ND		0.47	0.10	mg/Kg		03/10/23 13:00	03/14/23 15:48	1
Zinc	ND		1.9	0.61	mg/Kg		03/10/23 13:00	03/14/23 15:48	1

Lab Sample ID: LCSSRM 480-661139/2-A
Matrix: Solid
Analysis Batch: 661598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661139

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10100	8890		mg/Kg		88.0	37.5 - 114.9
Antimony	234	79.27		mg/Kg		33.9	10.0 - 120.1
Arsenic	129	99.70		mg/Kg		77.3	60.9 - 113.2
Barium	169	128.0		mg/Kg		75.7	68.6 - 114.2
Beryllium	137	99.71		mg/Kg		72.8	66.3 - 110.2

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-661139/2-A
Matrix: Solid
Analysis Batch: 661598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661139

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	227	163.2		mg/Kg		71.9	64.8 - 110.1
Calcium	5190	3987		mg/Kg		76.8	64.0 - 112.9
Chromium	115	87.84		mg/Kg		76.4	62.4 - 115.7
Cobalt	50.0	46.08		mg/Kg		92.2	69.6 - 115.8
Copper	76.0	59.18		mg/Kg		77.9	69.5 - 115.8
Iron	15000	14110		mg/Kg		94.1	29.9 - 149.3
Lead	74.8	80.98		mg/Kg		108.3	67.0 - 128.9
Magnesium	2570	2115		mg/Kg		82.3	53.7 - 121.0
Manganese	400	325.7		mg/Kg		81.4	70.5 - 115.8
Nickel	282	248.4		mg/Kg		88.1	62.1 - 114.9
Potassium	2420	2018		mg/Kg		83.4	46.7 - 113.2
Selenium	246	180.5		mg/Kg		73.4	60.2 - 114.6
Silver	87.5	67.67		mg/Kg		77.3	63.7 - 115.4
Sodium	161	144.9		mg/Kg		90.0	28.6 - 136.0
Thallium	77.4	70.60		mg/Kg		91.2	55.0 - 120.0
Vanadium	201	159.5		mg/Kg		79.3	64.7 - 111.4
Zinc	401	289.3		mg/Kg		72.1	62.8 - 116.7

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-661341/1-A
Matrix: Solid
Analysis Batch: 661467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0045	mg/Kg		03/14/23 10:52	03/14/23 14:09	1

Lab Sample ID: LCSSRM 480-661341/2-A ^10
Matrix: Solid
Analysis Batch: 661467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661341

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20.7	9.94		mg/Kg		48.0	38.3 - 110.1

GC/MS VOA

Prep Batch: 661313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-4	SB-02-3-3.5'	Total/NA	Solid	5035A_L	
MB 480-661313/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-661313/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
LCSD 480-661313/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A_L	

Analysis Batch: 661315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-4	SB-02-3-3.5'	Total/NA	Solid	8260C	661313
MB 480-661313/3-A	Method Blank	Total/NA	Solid	8260C	661313
LCS 480-661313/1-A	Lab Control Sample	Total/NA	Solid	8260C	661313
LCSD 480-661313/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	661313

Prep Batch: 661501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-2	SB-01-3.5-4'	Total/NA	Solid	5035A_L	
MB 480-661501/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-661501/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
LCSD 480-661501/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A_L	

Analysis Batch: 661502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-2	SB-01-3.5-4'	Total/NA	Solid	8260C	661501
MB 480-661501/3-A	Method Blank	Total/NA	Solid	8260C	661501
LCS 480-661501/1-A	Lab Control Sample	Total/NA	Solid	8260C	661501
LCSD 480-661501/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	661501

GC/MS Semi VOA

Prep Batch: 661199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-1	SB-01-SS	Total/NA	Solid	3550C	
480-206760-2	SB-01-3.5-4'	Total/NA	Solid	3550C	
480-206760-3	SB-02-SS	Total/NA	Solid	3550C	
480-206760-4	SB-02-3-3.5'	Total/NA	Solid	3550C	
MB 480-661199/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-661199/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 661256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-1	SB-01-SS	Total/NA	Solid	8270D	661199
480-206760-2	SB-01-3.5-4'	Total/NA	Solid	8270D	661199
480-206760-3	SB-02-SS	Total/NA	Solid	8270D	661199
480-206760-4	SB-02-3-3.5'	Total/NA	Solid	8270D	661199
MB 480-661199/1-A	Method Blank	Total/NA	Solid	8270D	661199
LCS 480-661199/2-A	Lab Control Sample	Total/NA	Solid	8270D	661199

GC Semi VOA

Prep Batch: 661197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-1	SB-01-SS	Total/NA	Solid	3550C	
480-206760-2	SB-01-3.5-4'	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 661197 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-3	SB-02-SS	Total/NA	Solid	3550C	
480-206760-4	SB-02-3-3.5'	Total/NA	Solid	3550C	
MB 480-661197/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-661197/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 661670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-1	SB-01-SS	Total/NA	Solid	8082A	661197
480-206760-2	SB-01-3.5-4'	Total/NA	Solid	8082A	661197
480-206760-3	SB-02-SS	Total/NA	Solid	8082A	661197
480-206760-4	SB-02-3-3.5'	Total/NA	Solid	8082A	661197
MB 480-661197/1-A	Method Blank	Total/NA	Solid	8082A	661197
LCS 480-661197/2-A	Lab Control Sample	Total/NA	Solid	8082A	661197

Metals

Prep Batch: 661139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-1	SB-01-SS	Total/NA	Solid	3050B	
480-206760-2	SB-01-3.5-4'	Total/NA	Solid	3050B	
480-206760-3	SB-02-SS	Total/NA	Solid	3050B	
480-206760-4	SB-02-3-3.5'	Total/NA	Solid	3050B	
MB 480-661139/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-661139/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 661341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-1	SB-01-SS	Total/NA	Solid	7471B	
480-206760-2	SB-01-3.5-4'	Total/NA	Solid	7471B	
480-206760-3	SB-02-SS	Total/NA	Solid	7471B	
480-206760-4	SB-02-3-3.5'	Total/NA	Solid	7471B	
MB 480-661341/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-661341/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 661467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-1	SB-01-SS	Total/NA	Solid	7471B	661341
480-206760-2	SB-01-3.5-4'	Total/NA	Solid	7471B	661341
480-206760-3	SB-02-SS	Total/NA	Solid	7471B	661341
480-206760-4	SB-02-3-3.5'	Total/NA	Solid	7471B	661341
MB 480-661341/1-A	Method Blank	Total/NA	Solid	7471B	661341
LCSSRM 480-661341/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	661341

Analysis Batch: 661598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-1	SB-01-SS	Total/NA	Solid	6010C	661139
480-206760-2	SB-01-3.5-4'	Total/NA	Solid	6010C	661139
480-206760-3	SB-02-SS	Total/NA	Solid	6010C	661139
480-206760-4	SB-02-3-3.5'	Total/NA	Solid	6010C	661139
MB 480-661139/1-A	Method Blank	Total/NA	Solid	6010C	661139
LCSSRM 480-661139/2-A	Lab Control Sample	Total/NA	Solid	6010C	661139

QC Association Summary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206760-1
Project/Site: 250 River Rd, N. Tonawanda, NY

General Chemistry

Analysis Batch: 661061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206760-1	SB-01-SS	Total/NA	Solid	Moisture	
480-206760-2	SB-01-3.5-4'	Total/NA	Solid	Moisture	
480-206760-3	SB-02-SS	Total/NA	Solid	Moisture	
480-206760-4	SB-02-3-3.5'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-01-SS
Lab Sample ID: 480-206760-1

Date Collected: 03/08/23 08:58
Matrix: Solid
Date Received: 03/08/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661061	KER	EET BUF	03/09/23 16:48

Client Sample ID: SB-01-SS
Lab Sample ID: 480-206760-1

Date Collected: 03/08/23 08:58
Matrix: Solid
Date Received: 03/08/23 16:45
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			661199	SJM	EET BUF	03/10/23 15:59
Total/NA	Analysis	8270D		10	661256	JMM	EET BUF	03/13/23 15:27
Total/NA	Prep	3550C			661197	SJM	EET BUF	03/10/23 15:45
Total/NA	Analysis	8082A		1	661670	NC	EET BUF	03/16/23 11:51
Total/NA	Prep	3050B			661139	VAK	EET BUF	03/10/23 13:00
Total/NA	Analysis	6010C		1	661598	LMH	EET BUF	03/14/23 16:42
Total/NA	Prep	7471B			661341	NVK	EET BUF	03/14/23 10:52
Total/NA	Analysis	7471B		1	661467	NVK	EET BUF	03/14/23 14:24

Client Sample ID: SB-01-3.5-4'
Lab Sample ID: 480-206760-2

Date Collected: 03/08/23 09:04
Matrix: Solid
Date Received: 03/08/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661061	KER	EET BUF	03/09/23 16:48

Client Sample ID: SB-01-3.5-4'
Lab Sample ID: 480-206760-2

Date Collected: 03/08/23 09:04
Matrix: Solid
Date Received: 03/08/23 16:45
Percent Solids: 71.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			661501	CDC	EET BUF	03/09/23 10:00
Total/NA	Analysis	8260C		1	661502	CDC	EET BUF	03/14/23 22:39
Total/NA	Prep	3550C			661199	SJM	EET BUF	03/10/23 15:59
Total/NA	Analysis	8270D		10	661256	JMM	EET BUF	03/13/23 15:51
Total/NA	Prep	3550C			661197	SJM	EET BUF	03/10/23 15:45
Total/NA	Analysis	8082A		1	661670	NC	EET BUF	03/16/23 12:05
Total/NA	Prep	3050B			661139	VAK	EET BUF	03/10/23 13:00
Total/NA	Analysis	6010C		1	661598	LMH	EET BUF	03/14/23 16:46
Total/NA	Prep	7471B			661341	NVK	EET BUF	03/14/23 10:52
Total/NA	Analysis	7471B		1	661467	NVK	EET BUF	03/14/23 14:26

Client Sample ID: SB-02-SS
Lab Sample ID: 480-206760-3

Date Collected: 03/08/23 11:07
Matrix: Solid
Date Received: 03/08/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661061	KER	EET BUF	03/09/23 16:48

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Client Sample ID: SB-02-SS

Lab Sample ID: 480-206760-3

Date Collected: 03/08/23 11:07
Matrix: Solid
Date Received: 03/08/23 16:45
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			661199	SJM	EET BUF	03/10/23 15:59
Total/NA	Analysis	8270D		10	661256	JMM	EET BUF	03/13/23 16:16
Total/NA	Prep	3550C			661197	SJM	EET BUF	03/10/23 15:45
Total/NA	Analysis	8082A		1	661670	NC	EET BUF	03/16/23 12:18
Total/NA	Prep	3050B			661139	VAK	EET BUF	03/10/23 13:00
Total/NA	Analysis	6010C		1	661598	LMH	EET BUF	03/14/23 16:50
Total/NA	Prep	7471B			661341	NVK	EET BUF	03/14/23 10:52
Total/NA	Analysis	7471B		1	661467	NVK	EET BUF	03/14/23 14:27

Client Sample ID: SB-02-3-3.5'

Lab Sample ID: 480-206760-4

Date Collected: 03/08/23 11:15
Matrix: Solid
Date Received: 03/08/23 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661061	KER	EET BUF	03/09/23 16:48

Client Sample ID: SB-02-3-3.5'

Lab Sample ID: 480-206760-4

Date Collected: 03/08/23 11:15
Matrix: Solid
Date Received: 03/08/23 16:45
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			661313	LCH	EET BUF	03/09/23 10:00
Total/NA	Analysis	8260C		1	661315	CDC	EET BUF	03/13/23 16:26
Total/NA	Prep	3550C			661199	SJM	EET BUF	03/10/23 15:59
Total/NA	Analysis	8270D		1	661256	JMM	EET BUF	03/13/23 16:40
Total/NA	Prep	3550C			661197	SJM	EET BUF	03/10/23 15:45
Total/NA	Analysis	8082A		1	661670	NC	EET BUF	03/16/23 12:32
Total/NA	Prep	3050B			661139	VAK	EET BUF	03/10/23 13:00
Total/NA	Analysis	6010C		1	661598	LMH	EET BUF	03/14/23 16:54
Total/NA	Prep	7471B			661341	NVK	EET BUF	03/14/23 10:52
Total/NA	Analysis	7471B		1	661467	NVK	EET BUF	03/14/23 14:28

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206760-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206760-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206760-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-206760-1	SB-01-SS	Solid	03/08/23 08:58	03/08/23 16:45
480-206760-2	SB-01-3.5-4'	Solid	03/08/23 09:04	03/08/23 16:45
480-206760-3	SB-02-SS	Solid	03/08/23 11:07	03/08/23 16:45
480-206760-4	SB-02-3-3.5'	Solid	03/08/23 11:15	03/08/23 16:45

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt ______

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Syracuse
#225

Client	AECC
Address	6308 Fly Rd
City	E. Syracuse
State	NY
Zip Code	13057
Project Name and Location (State)	250 River Rd. N. Tonawanda, NY
Contract/Purchase Order/Quote No.	
Project Manager	J. Saxton
Telephone Number (Area Code)/Fax Number	315 432 9400
Site Contact	G. Fischer
Lab Contact	B. Fischer
Carrier/Waybill Number	
Date	3/8/23
Lab Number	
Chain of Custody Number	228626
Page	1 of 1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): Encore	8270D/8082A	6010C/7471B	8260C	Special Instructions/ Conditions of Receipt
SB-01-SS	3/8/23	858				X	2							X	X		
SB-01-3.5-4'	↓	9:04				X	2						4	X	X	X	
SB-02-SS	↓	11:07				X	2							X	X		
SB-02-3-3.5'	↓	11:15				X	2						4	X	X	X	

480-206760 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ______

QC Requirements (Specify)

1. Relinquished By [signature]	Date 3/8/23	Time 4:45	1. Received By SM	Date 3/8/23	Time 4:45
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

4.8 #1 ice

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Asbestos & Environmental Consulting Corp

Job Number: 480-206760-1

Login Number: 206760

List Source: Eurofins Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.8 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TERRACORES FROZEN @ 1000 3/9/23
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. George Fischer
Asbestos & Environmental Consulting Corp
6308 Fly Road
East Syracuse, New York 13057

Generated 3/28/2023 10:56:07 AM

JOB DESCRIPTION

250 River Rd, N. Tonawanda, NY

JOB NUMBER

480-206849-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
3/28/2023 10:56:07 AM

Authorized for release by
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Rebecca.Jones@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

Table of Contents

Definitions/Glossary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206849-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-206849-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-206849-1

Comments
No additional comments.

Receipt
The samples were received on 3/9/2023 4:43 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.7º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-661502 recovered above the upper control limit for Carbon tetrachloride, Trichlorofluoromethane and Vinyl chloride. The sample(s) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SB-03 4-4.5` (480-206849-2), SB-05-3.5-4` (480-206849-4), SB-07-3-3.5` (480-206849-6) and SB-09-3-3.5` (480-206849-8).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to color, appearance, and viscosity: SB-03-SS (480-206849-1), SB-03 4-4.5` (480-206849-2), SB-05-SS (480-206849-3), SB-05-3.5-4` (480-206849-4), SB-07-SS (480-206849-5), SB-07-3-3.5` (480-206849-6), SB-09-SS (480-206849-7), (480-206849-A-1-C MS) and (480-206849-A-1-D MSD). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: SB-09-SS (480-206849-7). These results have been reported and qualified.

Method 8270D: The following samples were diluted due to the nature of the sample matrix: (480-206849-A-1-C MS) and (480-206849-A-1-D MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: SB-03-SS (480-206849-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: SB-09-3-3.5` (480-206849-8). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: SB-09-3-3.5` (480-206849-8). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-661710 recovered above the upper control limit for Fluoranthene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: SB-09-3-3.5` (480-206849-8).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The continuing calibration blank (CCB 480-661551/28) contained Total Magnesium and Manganese above the reporting limit (RL). All reported samples (LCDSRM 480-661318/3-A), (LCSSRM 480-661318/2-A) and (MB 480-661318/1-A) associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore,

Job ID: 480-206849-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 3550C: Due to the matrix, the following samples could not be concentrated to the final method required volume: SB-03-SS (480-206849-1), (480-206849-A-1 MS) and (480-206849-A-1 MSD). The reporting limits (RLs) are elevated proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-03-SS — Lab Sample ID: 480-206849-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7530		11.8	5.2	mg/Kg	1	☼	6010C	Total/NA
Antimony	3.4	J	17.7	0.47	mg/Kg	1	☼	6010C	Total/NA
Arsenic	12.6		2.4	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	154		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.88		0.24	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.34		0.24	0.035	mg/Kg	1	☼	6010C	Total/NA
Calcium	72200		59.1	3.9	mg/Kg	1	☼	6010C	Total/NA
Chromium	25.3		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Cobalt	6.2		0.59	0.059	mg/Kg	1	☼	6010C	Total/NA
Copper	85.6		1.2	0.25	mg/Kg	1	☼	6010C	Total/NA
Iron	21500		11.8	4.1	mg/Kg	1	☼	6010C	Total/NA
Lead	610		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Magnesium	22000		23.6	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	464		0.24	0.038	mg/Kg	1	☼	6010C	Total/NA
Nickel	16.2		5.9	0.27	mg/Kg	1	☼	6010C	Total/NA
Potassium	1300		35.5	23.6	mg/Kg	1	☼	6010C	Total/NA
Selenium	1.3	J	4.7	0.47	mg/Kg	1	☼	6010C	Total/NA
Sodium	543		165	15.4	mg/Kg	1	☼	6010C	Total/NA
Thallium	0.91	J	7.1	0.35	mg/Kg	1	☼	6010C	Total/NA
Vanadium	23.8		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	86.5		2.4	0.76	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.075		0.023	0.0054	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-03 4-4.5` — Lab Sample ID: 480-206849-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.2	J	24	1.7	ug/Kg	1	☼	8260C	Total/NA
Acetone	15	J	24	4.0	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	4.4	J B	4.7	2.2	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]anthracene	210	J	2000	200	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	420	J	2000	320	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	290	J	2000	210	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	540	J	2000	210	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	310	J	2000	300	ug/Kg	10	☼	8270D	Total/NA
Pyrene	380	J	2000	240	ug/Kg	10	☼	8270D	Total/NA
Aluminum	8990		11.1	4.9	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.48	J	16.7	0.45	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.9		2.2	0.45	mg/Kg	1	☼	6010C	Total/NA
Barium	46.2		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.47		0.22	0.031	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.27		0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Calcium	55200		55.7	3.7	mg/Kg	1	☼	6010C	Total/NA
Chromium	13.9		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA
Cobalt	6.0		0.56	0.056	mg/Kg	1	☼	6010C	Total/NA
Copper	17.4		1.1	0.23	mg/Kg	1	☼	6010C	Total/NA
Iron	14000		11.1	3.9	mg/Kg	1	☼	6010C	Total/NA
Lead	16.0		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Magnesium	15500		22.3	1.0	mg/Kg	1	☼	6010C	Total/NA
Manganese	370		0.22	0.036	mg/Kg	1	☼	6010C	Total/NA
Nickel	15.5		5.6	0.26	mg/Kg	1	☼	6010C	Total/NA
Potassium	2490		33.4	22.3	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: SB-03 4-4.5` (Continued)

Lab Sample ID: 480-206849-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	491		156	14.5	mg/Kg	1	☼	6010C	Total/NA
Thallium	0.71	J	6.7	0.33	mg/Kg	1	☼	6010C	Total/NA
Vanadium	23.5		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Zinc	56.6		2.2	0.71	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.0081	J	0.023	0.0053	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-05-SS

Lab Sample ID: 480-206849-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	160	J	940	94	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	190	J	940	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	250	J	940	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	130	J	940	99	ug/Kg	5	☼	8270D	Total/NA
Di-n-butyl phthalate	770	J	940	160	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	280	J	940	99	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	130	J	940	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	200	J	940	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	210	J	940	110	ug/Kg	5	☼	8270D	Total/NA
Aluminum	8960		11.1	4.9	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.97	J	16.7	0.44	mg/Kg	1	☼	6010C	Total/NA
Arsenic	6.0		2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Barium	95.0		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.67		0.22	0.031	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.22		0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Calcium	17600		55.6	3.7	mg/Kg	1	☼	6010C	Total/NA
Chromium	14.3		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA
Cobalt	4.1		0.56	0.056	mg/Kg	1	☼	6010C	Total/NA
Copper	37.9		1.1	0.23	mg/Kg	1	☼	6010C	Total/NA
Iron	20300		11.1	3.9	mg/Kg	1	☼	6010C	Total/NA
Lead	32.1		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Magnesium	1330		22.2	1.0	mg/Kg	1	☼	6010C	Total/NA
Manganese	718		0.22	0.036	mg/Kg	1	☼	6010C	Total/NA
Nickel	17.6		5.6	0.26	mg/Kg	1	☼	6010C	Total/NA
Potassium	1400		33.4	22.2	mg/Kg	1	☼	6010C	Total/NA
Sodium	778		156	14.5	mg/Kg	1	☼	6010C	Total/NA
Thallium	1.4	J	6.7	0.33	mg/Kg	1	☼	6010C	Total/NA
Vanadium	16.9		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Zinc	51.5		2.2	0.71	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.010	J	0.023	0.0053	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-05-3.5-4`

Lab Sample ID: 480-206849-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.5	J	24	4.0	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	3.3	J B	4.8	2.2	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]anthracene	660	J	2000	200	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	700	J	2000	290	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	820	J	2000	310	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	470	J	2000	210	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	360	J	2000	260	ug/Kg	10	☼	8270D	Total/NA
Chrysene	630	J	2000	440	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	1400	J	2000	210	ug/Kg	10	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-05-3.5-4` (Continued)

Lab Sample ID: 480-206849-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	390	J	2000	240	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	890	J	2000	290	ug/Kg	10	☼	8270D	Total/NA
Pyrene	1000	J	2000	230	ug/Kg	10	☼	8270D	Total/NA
Aluminum	10900		11.9	5.2	mg/Kg	1	☼	6010C	Total/NA
Antimony	1.7	J	17.9	0.48	mg/Kg	1	☼	6010C	Total/NA
Arsenic	6.1		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	123		0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	1.2		0.24	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.27		0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Calcium	40200		59.6	3.9	mg/Kg	1	☼	6010C	Total/NA
Chromium	10.6		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Cobalt	4.0		0.60	0.060	mg/Kg	1	☼	6010C	Total/NA
Copper	25.0		1.2	0.25	mg/Kg	1	☼	6010C	Total/NA
Iron	24400		11.9	4.2	mg/Kg	1	☼	6010C	Total/NA
Lead	68.5		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Magnesium	4910		23.9	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	718		0.24	0.038	mg/Kg	1	☼	6010C	Total/NA
Nickel	11.0		6.0	0.27	mg/Kg	1	☼	6010C	Total/NA
Potassium	1470		35.8	23.9	mg/Kg	1	☼	6010C	Total/NA
Sodium	655		167	15.5	mg/Kg	1	☼	6010C	Total/NA
Thallium	1.2	J	7.2	0.36	mg/Kg	1	☼	6010C	Total/NA
Vanadium	15.1		0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	77.5		2.4	0.76	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.061		0.021	0.0049	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-07-SS

Lab Sample ID: 480-206849-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	250	J	940	94	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	280	J	940	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	320	J	940	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	200	J	940	100	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	200	J	940	120	ug/Kg	5	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	440	J	940	320	ug/Kg	5	☼	8270D	Total/NA
Chrysene	280	J	940	210	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	470	J	940	100	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	170	J	940	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	310	J	940	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	370	J	940	110	ug/Kg	5	☼	8270D	Total/NA
Aluminum	10400		11.3	5.0	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.78	J	17.0	0.45	mg/Kg	1	☼	6010C	Total/NA
Arsenic	5.3		2.3	0.45	mg/Kg	1	☼	6010C	Total/NA
Barium	78.2		0.57	0.12	mg/Kg	1	☼	6010C	Total/NA
Beryllium	1.0		0.23	0.032	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.20	J	0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Calcium	23600		56.6	3.7	mg/Kg	1	☼	6010C	Total/NA
Chromium	16.3		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Cobalt	3.8		0.57	0.057	mg/Kg	1	☼	6010C	Total/NA
Copper	15.1		1.1	0.24	mg/Kg	1	☼	6010C	Total/NA
Iron	17700		11.3	4.0	mg/Kg	1	☼	6010C	Total/NA
Lead	24.4		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-07-SS (Continued)

Lab Sample ID: 480-206849-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	3390		22.7	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	878		0.23	0.036	mg/Kg	1	☼	6010C	Total/NA
Nickel	10.9		5.7	0.26	mg/Kg	1	☼	6010C	Total/NA
Potassium	1370		34.0	22.7	mg/Kg	1	☼	6010C	Total/NA
Sodium	316		159	14.7	mg/Kg	1	☼	6010C	Total/NA
Thallium	1.1	J	6.8	0.34	mg/Kg	1	☼	6010C	Total/NA
Vanadium	16.8		0.57	0.12	mg/Kg	1	☼	6010C	Total/NA
Zinc	33.6		2.3	0.73	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.043		0.021	0.0049	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-07-3-3.5`

Lab Sample ID: 480-206849-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.2	J B	5.6	2.6	ug/Kg	1	☼	8260C	Total/NA
Anthracene	660	J	2300	580	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	1200	J	2300	230	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	1200	J	2300	340	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	1600	J	2300	370	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	730	J	2300	250	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	620	J	2300	300	ug/Kg	10	☼	8270D	Total/NA
Carbazole	310	J	2300	270	ug/Kg	10	☼	8270D	Total/NA
Chrysene	1300	J	2300	520	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	3100		2300	250	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	670	J	2300	290	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	2700		2300	340	ug/Kg	10	☼	8270D	Total/NA
Pyrene	2000	J	2300	270	ug/Kg	10	☼	8270D	Total/NA
Aluminum	8450		13.9	6.1	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.2		2.8	0.56	mg/Kg	1	☼	6010C	Total/NA
Barium	83.1		0.69	0.15	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.65		0.28	0.039	mg/Kg	1	☼	6010C	Total/NA
Cadmium	4.2		0.28	0.042	mg/Kg	1	☼	6010C	Total/NA
Calcium	64500		69.4	4.6	mg/Kg	1	☼	6010C	Total/NA
Chromium	16.7		0.69	0.28	mg/Kg	1	☼	6010C	Total/NA
Cobalt	3.3		0.69	0.069	mg/Kg	1	☼	6010C	Total/NA
Copper	12.4		1.4	0.29	mg/Kg	1	☼	6010C	Total/NA
Iron	13100		13.9	4.9	mg/Kg	1	☼	6010C	Total/NA
Lead	28.2		1.4	0.33	mg/Kg	1	☼	6010C	Total/NA
Magnesium	22800		27.8	1.3	mg/Kg	1	☼	6010C	Total/NA
Manganese	1060		0.28	0.044	mg/Kg	1	☼	6010C	Total/NA
Nickel	9.7		6.9	0.32	mg/Kg	1	☼	6010C	Total/NA
Potassium	1540		41.6	27.8	mg/Kg	1	☼	6010C	Total/NA
Sodium	416		194	18.0	mg/Kg	1	☼	6010C	Total/NA
Thallium	1.5	J	8.3	0.42	mg/Kg	1	☼	6010C	Total/NA
Vanadium	17.2		0.69	0.15	mg/Kg	1	☼	6010C	Total/NA
Zinc	890		2.8	0.89	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.016	J	0.029	0.0067	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-09-SS

Lab Sample ID: 480-206849-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	310	J	980	98	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	370	J	980	140	ug/Kg	5	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-09-SS (Continued)

Lab Sample ID: 480-206849-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	450	J	980	160	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	240	J	980	100	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	180	J	980	130	ug/Kg	5	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	2100		980	340	ug/Kg	5	☼	8270D	Total/NA
Butyl benzyl phthalate	160	J	980	160	ug/Kg	5	☼	8270D	Total/NA
Chrysene	340	J	980	220	ug/Kg	5	☼	8270D	Total/NA
Di-n-butyl phthalate	270	J	980	170	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	650	J	980	100	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	230	J	980	120	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	330	J	980	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	500	J	980	120	ug/Kg	5	☼	8270D	Total/NA
Aluminum	15700		11.6	5.1	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.87	J	17.4	0.46	mg/Kg	1	☼	6010C	Total/NA
Arsenic	7.2		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	165		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	2.3		0.23	0.032	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.43		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Calcium	65300		58.0	3.8	mg/Kg	1	☼	6010C	Total/NA
Chromium	21.6		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Cobalt	6.1		0.58	0.058	mg/Kg	1	☼	6010C	Total/NA
Copper	21.6		1.2	0.24	mg/Kg	1	☼	6010C	Total/NA
Iron	17500		11.6	4.1	mg/Kg	1	☼	6010C	Total/NA
Lead	114		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Magnesium	11100		23.2	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	1380		0.23	0.037	mg/Kg	1	☼	6010C	Total/NA
Nickel	17.8		5.8	0.27	mg/Kg	1	☼	6010C	Total/NA
Potassium	1930		34.8	23.2	mg/Kg	1	☼	6010C	Total/NA
Selenium	1.4	J	4.6	0.46	mg/Kg	1	☼	6010C	Total/NA
Sodium	985		162	15.1	mg/Kg	1	☼	6010C	Total/NA
Thallium	1.4	J	7.0	0.35	mg/Kg	1	☼	6010C	Total/NA
Vanadium	20.0		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	114		2.3	0.74	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.085		0.023	0.0053	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-09-3-3.5`

Lab Sample ID: 480-206849-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.4	J	31	2.3	ug/Kg	1	☼	8260C	Total/NA
Acetone	29	J	31	5.2	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	3.2	J B	6.2	2.8	ug/Kg	1	☼	8260C	Total/NA
Fluoranthene	1100	J	4300	450	ug/Kg	20	☼	8270D	Total/NA
Phenanthrene	650	J	4300	630	ug/Kg	20	☼	8270D	Total/NA
Pyrene	650	J	4300	500	ug/Kg	20	☼	8270D	Total/NA
Aluminum	21000		12.8	5.6	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.57	J	19.2	0.51	mg/Kg	1	☼	6010C	Total/NA
Arsenic	7.1		2.6	0.51	mg/Kg	1	☼	6010C	Total/NA
Barium	355		0.64	0.14	mg/Kg	1	☼	6010C	Total/NA
Beryllium	2.2		0.26	0.036	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.33		0.26	0.038	mg/Kg	1	☼	6010C	Total/NA
Calcium	75000		64.2	4.2	mg/Kg	1	☼	6010C	Total/NA
Chromium	19.6		0.64	0.26	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-09-3-3.5` (Continued)

Lab Sample ID: 480-206849-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	4.3		0.64	0.064	mg/Kg	1	☼	6010C	Total/NA
Copper	43.4		1.3	0.27	mg/Kg	1	☼	6010C	Total/NA
Iron	17800		12.8	4.5	mg/Kg	1	☼	6010C	Total/NA
Lead	71.4		1.3	0.31	mg/Kg	1	☼	6010C	Total/NA
Magnesium	12600		25.7	1.2	mg/Kg	1	☼	6010C	Total/NA
Manganese	1990		0.26	0.041	mg/Kg	1	☼	6010C	Total/NA
Nickel	14.1		6.4	0.30	mg/Kg	1	☼	6010C	Total/NA
Potassium	2550		38.5	25.7	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.88	J	5.1	0.51	mg/Kg	1	☼	6010C	Total/NA
Sodium	754		180	16.7	mg/Kg	1	☼	6010C	Total/NA
Thallium	1.7	J	7.7	0.38	mg/Kg	1	☼	6010C	Total/NA
Vanadium	20.7		0.64	0.14	mg/Kg	1	☼	6010C	Total/NA
Zinc	120		2.6	0.82	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.14		0.026	0.0061	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-03-SS
Date Collected: 03/09/23 07:58
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-1
Matrix: Solid
Percent Solids: 86.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		19000	2900	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
bis (2-chloroisopropyl) ether	ND		19000	3900	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2,4,5-Trichlorophenol	ND		19000	5300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2,4,6-Trichlorophenol	ND		19000	3900	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2,4-Dichlorophenol	ND		19000	2100	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2,4-Dimethylphenol	ND		19000	4700	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2,4-Dinitrophenol	ND		190000	90000	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2,4-Dinitrotoluene	ND		19000	4000	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2,6-Dinitrotoluene	ND		19000	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2-Chloronaphthalene	ND		19000	3200	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2-Chlorophenol	ND		38000	3600	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2-Methylphenol	ND		19000	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2-Methylnaphthalene	ND		19000	3900	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2-Nitroaniline	ND		38000	2900	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
2-Nitrophenol	ND		19000	5500	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
3,3'-Dichlorobenzidine	ND		38000	23000	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
3-Nitroaniline	ND		38000	5400	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
4,6-Dinitro-2-methylphenol	ND		38000	19000	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
4-Bromophenyl phenyl ether	ND		19000	2700	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
4-Chloro-3-methylphenol	ND		19000	4800	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
4-Chloroaniline	ND		19000	4800	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
4-Chlorophenyl phenyl ether	ND		19000	2400	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
4-Methylphenol	ND		38000	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
4-Nitroaniline	ND		38000	10000	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
4-Nitrophenol	ND		38000	14000	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Acenaphthene	ND		19000	2900	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Acenaphthylene	ND		19000	2500	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Acetophenone	ND		19000	2600	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Anthracene	ND		19000	4800	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Atrazine	ND		19000	6800	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Benzaldehyde	ND		19000	15000	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Benzo[a]anthracene	ND		19000	1900	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Benzo[a]pyrene	ND		19000	2900	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Benzo[b]fluoranthene	ND		19000	3100	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Benzo[g,h,i]perylene	ND		19000	2100	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Benzo[k]fluoranthene	ND		19000	2500	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Bis(2-chloroethoxy)methane	ND		19000	4100	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Bis(2-chloroethyl)ether	ND		19000	2500	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Bis(2-ethylhexyl) phthalate	ND		19000	6600	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Butyl benzyl phthalate	ND		19000	3200	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Caprolactam	ND		19000	5800	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Carbazole	ND		19000	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Chrysene	ND		19000	4400	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Dibenz(a,h)anthracene	ND		19000	3400	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Di-n-butyl phthalate	ND		19000	3300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Di-n-octyl phthalate	ND		19000	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Dibenzofuran	ND		19000	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Diethyl phthalate	ND		19000	2500	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Dimethyl phthalate	ND		19000	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10

Client Sample ID: SB-03-SS
Date Collected: 03/09/23 07:58
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-1
Matrix: Solid
Percent Solids: 86.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND	F2	19000	2100	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Fluorene	ND		19000	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Hexachlorobenzene	ND		19000	2600	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Hexachlorobutadiene	ND		19000	2900	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Hexachlorocyclopentadiene	ND		19000	2600	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Hexachloroethane	ND		19000	2500	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Indeno[1,2,3-cd]pyrene	ND		19000	2400	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Isophorone	ND		19000	4100	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
N-Nitrosodi-n-propylamine	ND		19000	3300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
N-Nitrosodiphenylamine	ND		19000	16000	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Naphthalene	ND		19000	2500	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Nitrobenzene	ND		19000	2200	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Pentachlorophenol	ND		38000	19000	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Phenanthrene	ND	F2	19000	2900	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Phenol	ND		19000	3000	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10
Pyrene	ND		19000	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*91*		*53 - 120*	*03/14/23 15:59*	*03/15/23 20:01*	*10*
Phenol-d5 (Surr)	*81*		*54 - 120*	*03/14/23 15:59*	*03/15/23 20:01*	*10*
p-Terphenyl-d14 (Surr)	*96*		*79 - 130*	*03/14/23 15:59*	*03/15/23 20:01*	*10*
2,4,6-Tribromophenol (Surr)	*235*	*S1+*	*54 - 120*	*03/14/23 15:59*	*03/15/23 20:01*	*10*
2-Fluorobiphenyl (Surr)	*92*		*60 - 120*	*03/14/23 15:59*	*03/15/23 20:01*	*10*
2-Fluorophenol (Surr)	*73*		*52 - 120*	*03/14/23 15:59*	*03/15/23 20:01*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.055	mg/Kg	☼	03/14/23 09:14	03/17/23 11:00	1
PCB-1221	ND		0.28	0.055	mg/Kg	☼	03/14/23 09:14	03/17/23 11:00	1
PCB-1232	ND		0.28	0.055	mg/Kg	☼	03/14/23 09:14	03/17/23 11:00	1
PCB-1242	ND		0.28	0.055	mg/Kg	☼	03/14/23 09:14	03/17/23 11:00	1
PCB-1248	ND		0.28	0.055	mg/Kg	☼	03/14/23 09:14	03/17/23 11:00	1
PCB-1254	ND		0.28	0.13	mg/Kg	☼	03/14/23 09:14	03/17/23 11:00	1
PCB-1260	ND		0.28	0.13	mg/Kg	☼	03/14/23 09:14	03/17/23 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*133*		*60 - 154*	*03/14/23 09:14*	*03/17/23 11:00*	*1*
Tetrachloro-m-xylene	*143*		*60 - 154*	*03/14/23 09:14*	*03/17/23 11:00*	*1*
DCB Decachlorobiphenyl	*121*		*65 - 174*	*03/14/23 09:14*	*03/17/23 11:00*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*03/14/23 09:14*	*03/17/23 11:00*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7530**		11.8	5.2	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Antimony	**3.4**	**J**	17.7	0.47	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Arsenic	**12.6**		2.4	0.47	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Barium	**154**		0.59	0.13	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Beryllium	**0.88**		0.24	0.033	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Cadmium	**0.34**		0.24	0.035	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Calcium	**72200**		59.1	3.9	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-03-SS
Date Collected: 03/09/23 07:58
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-1
Matrix: Solid
Percent Solids: 86.5

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	25.3		0.59	0.24	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Cobalt	6.2		0.59	0.059	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Copper	85.6		1.2	0.25	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Iron	21500		11.8	4.1	mg/Kg	☼	03/13/23 13:11	03/15/23 13:06	1
Lead	610		1.2	0.28	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Magnesium	22000		23.6	1.1	mg/Kg	☼	03/13/23 13:11	03/15/23 13:06	1
Manganese	464		0.24	0.038	mg/Kg	☼	03/13/23 13:11	03/15/23 13:06	1
Nickel	16.2		5.9	0.27	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Potassium	1300		35.5	23.6	mg/Kg	☼	03/13/23 13:11	03/15/23 13:06	1
Selenium	1.3	J	4.7	0.47	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Silver	ND		0.71	0.24	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Sodium	543		165	15.4	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Thallium	0.91	J	7.1	0.35	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Vanadium	23.8		0.59	0.13	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1
Zinc	86.5		2.4	0.76	mg/Kg	☼	03/13/23 13:11	03/14/23 15:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.075		0.023	0.0054	mg/Kg	☼	03/16/23 09:43	03/16/23 12:52	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-03 4-4.5`
Date Collected: 03/09/23 08:17
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-2
Matrix: Solid
Percent Solids: 83.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.7	0.34	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.77	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7	1.1	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,1,2-Trichloroethane	ND		4.7	0.61	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,1-Dichloroethane	ND		4.7	0.58	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,1-Dichloroethene	ND		4.7	0.58	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,2,4-Trichlorobenzene	ND		4.7	0.29	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,2-Dibromo-3-Chloropropane	ND		4.7	2.4	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,2-Dibromoethane	ND		4.7	0.61	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,2-Dichlorobenzene	ND		4.7	0.37	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,2-Dichloroethane	ND		4.7	0.24	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,2-Dichloropropane	ND		4.7	2.4	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,3-Dichlorobenzene	ND		4.7	0.24	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
1,4-Dichlorobenzene	ND		4.7	0.66	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
2-Butanone (MEK)	**2.2**	**J**	24	1.7	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
2-Hexanone	ND		24	2.4	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.5	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Acetone	**15**	**J**	24	4.0	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Benzene	ND		4.7	0.23	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Bromodichloromethane	ND		4.7	0.63	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Bromoform	ND		4.7	2.4	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Bromomethane	ND		4.7	0.43	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Carbon disulfide	ND		4.7	2.4	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Carbon tetrachloride	ND		4.7	0.46	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Chlorobenzene	ND		4.7	0.62	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Chloroethane	ND		4.7	1.1	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Chloroform	ND		4.7	0.29	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Chloromethane	ND		4.7	0.29	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
cis-1,2-Dichloroethene	ND		4.7	0.60	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
cis-1,3-Dichloropropene	ND		4.7	0.68	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Cyclohexane	ND		4.7	0.66	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Dibromochloromethane	ND		4.7	0.60	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Dichlorodifluoromethane	ND		4.7	0.39	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Ethylbenzene	ND		4.7	0.33	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Isopropylbenzene	ND		4.7	0.71	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Methyl acetate	ND		24	2.9	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Methyl tert-butyl ether	ND		4.7	0.46	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Methylcyclohexane	ND		4.7	0.72	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Methylene Chloride	**4.4**	**J B**	4.7	2.2	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Styrene	ND		4.7	0.24	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Tetrachloroethene	ND		4.7	0.63	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Toluene	ND		4.7	0.36	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
trans-1,2-Dichloroethene	ND		4.7	0.49	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
trans-1,3-Dichloropropene	ND		4.7	2.1	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Trichloroethene	ND		4.7	1.0	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Trichlorofluoromethane	ND		4.7	0.45	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Vinyl chloride	ND		4.7	0.58	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1
Xylenes, Total	ND		9.4	0.79	ug/Kg	☼	03/10/23 14:45	03/14/23 23:27	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-03 4-4.5`
Date Collected: 03/09/23 08:17
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-2
Matrix: Solid
Percent Solids: 83.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*03/10/23 14:45*	*03/14/23 23:27*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*	*03/10/23 14:45*	*03/14/23 23:27*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*03/10/23 14:45*	*03/14/23 23:27*	*1*
Toluene-d8 (Surr)	*98*		*71 - 125*	*03/10/23 14:45*	*03/14/23 23:27*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2,4,5-Trichlorophenol	ND		2000	540	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2,4-Dimethylphenol	ND		2000	480	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2,4-Dinitrophenol	ND		20000	9300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2,6-Dinitrotoluene	ND		2000	240	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2-Chlorophenol	ND		3900	370	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2-Methylphenol	ND		2000	240	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2-Nitroaniline	ND		3900	300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
2-Nitrophenol	ND		2000	570	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
3,3'-Dichlorobenzidine	ND		3900	2400	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
3-Nitroaniline	ND		3900	560	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
4,6-Dinitro-2-methylphenol	ND		3900	2000	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
4-Chloro-3-methylphenol	ND		2000	500	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
4-Chloroaniline	ND		2000	500	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
4-Chlorophenyl phenyl ether	ND		2000	250	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
4-Methylphenol	ND		3900	240	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
4-Nitroaniline	ND		3900	1100	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
4-Nitrophenol	ND		3900	1400	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Acenaphthene	ND		2000	300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Acenaphthylene	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Acetophenone	ND		2000	270	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Anthracene	ND		2000	500	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Atrazine	ND		2000	700	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Benzo[a]anthracene	**210**	**J**	2000	200	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Benzo[a]pyrene	ND		2000	300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Benzo[b]fluoranthene	**420**	**J**	2000	320	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Benzo[g,h,i]perylene	**290**	**J**	2000	210	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Benzo[k]fluoranthene	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Bis(2-chloroethoxy)methane	ND		2000	430	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Bis(2-ethylhexyl) phthalate	ND		2000	690	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Caprolactam	ND		2000	600	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Carbazole	ND		2000	240	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Chrysene	ND		2000	450	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10

Client Sample ID: SB-03 4-4.5`
Date Collected: 03/09/23 08:17
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-2
Matrix: Solid
Percent Solids: 83.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		2000	350	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Di-n-octyl phthalate	ND		2000	240	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Dibenzofuran	ND		2000	240	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Diethyl phthalate	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Dimethyl phthalate	ND		2000	240	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Fluoranthene	**540**	**J**	2000	210	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Fluorene	ND		2000	240	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Hexachlorobenzene	ND		2000	270	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Hexachlorobutadiene	ND		2000	300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Hexachloroethane	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Indeno[1,2,3-cd]pyrene	ND		2000	250	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Isophorone	ND		2000	430	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Naphthalene	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Pentachlorophenol	ND		3900	2000	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Phenanthrene	**310**	**J**	2000	300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Phenol	ND		2000	310	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10
Pyrene	**380**	**J**	2000	240	ug/Kg	☼	03/14/23 15:59	03/15/23 20:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*70*		*53 - 120*	*03/14/23 15:59*	*03/15/23 20:26*	*10*
Phenol-d5 (Surr)	*80*		*54 - 120*	*03/14/23 15:59*	*03/15/23 20:26*	*10*
p-Terphenyl-d14 (Surr)	*80*		*79 - 130*	*03/14/23 15:59*	*03/15/23 20:26*	*10*
2,4,6-Tribromophenol (Surr)	*67*		*54 - 120*	*03/14/23 15:59*	*03/15/23 20:26*	*10*
2-Fluorobiphenyl (Surr)	*81*		*60 - 120*	*03/14/23 15:59*	*03/15/23 20:26*	*10*
2-Fluorophenol (Surr)	*71*		*52 - 120*	*03/14/23 15:59*	*03/15/23 20:26*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23	0.045	mg/Kg	☼	03/14/23 09:14	03/17/23 11:13	1
PCB-1221	ND		0.23	0.045	mg/Kg	☼	03/14/23 09:14	03/17/23 11:13	1
PCB-1232	ND		0.23	0.045	mg/Kg	☼	03/14/23 09:14	03/17/23 11:13	1
PCB-1242	ND		0.23	0.045	mg/Kg	☼	03/14/23 09:14	03/17/23 11:13	1
PCB-1248	ND		0.23	0.045	mg/Kg	☼	03/14/23 09:14	03/17/23 11:13	1
PCB-1254	ND		0.23	0.11	mg/Kg	☼	03/14/23 09:14	03/17/23 11:13	1
PCB-1260	ND		0.23	0.11	mg/Kg	☼	03/14/23 09:14	03/17/23 11:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*138*		*60 - 154*	*03/14/23 09:14*	*03/17/23 11:13*	*1*
Tetrachloro-m-xylene	*121*		*60 - 154*	*03/14/23 09:14*	*03/17/23 11:13*	*1*
DCB Decachlorobiphenyl	*150*		*65 - 174*	*03/14/23 09:14*	*03/17/23 11:13*	*1*
DCB Decachlorobiphenyl	*114*		*65 - 174*	*03/14/23 09:14*	*03/17/23 11:13*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8990**		11.1	4.9	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-03 4-4.5`
Date Collected: 03/09/23 08:17
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-2
Matrix: Solid
Percent Solids: 83.1

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.48	J	16.7	0.45	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Arsenic	3.9		2.2	0.45	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Barium	46.2		0.56	0.12	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Beryllium	0.47		0.22	0.031	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Cadmium	0.27		0.22	0.033	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Calcium	55200		55.7	3.7	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Chromium	13.9		0.56	0.22	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Cobalt	6.0		0.56	0.056	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Copper	17.4		1.1	0.23	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Iron	14000		11.1	3.9	mg/Kg	☼	03/13/23 13:11	03/15/23 13:10	1
Lead	16.0		1.1	0.27	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Magnesium	15500		22.3	1.0	mg/Kg	☼	03/13/23 13:11	03/15/23 13:10	1
Manganese	370		0.22	0.036	mg/Kg	☼	03/13/23 13:11	03/15/23 13:10	1
Nickel	15.5		5.6	0.26	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Potassium	2490		33.4	22.3	mg/Kg	☼	03/13/23 13:11	03/15/23 13:10	1
Selenium	ND		4.5	0.45	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Silver	ND		0.67	0.22	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Sodium	491		156	14.5	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Thallium	0.71	J	6.7	0.33	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Vanadium	23.5		0.56	0.12	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1
Zinc	56.6		2.2	0.71	mg/Kg	☼	03/13/23 13:11	03/14/23 15:21	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0081	J	0.023	0.0053	mg/Kg	☼	03/16/23 09:43	03/16/23 12:57	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-05-SS
Date Collected: 03/09/23 10:30
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-3
Matrix: Solid
Percent Solids: 88.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		940	140	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
bis (2-chloroisopropyl) ether	ND		940	190	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2,4,5-Trichlorophenol	ND		940	250	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2,4,6-Trichlorophenol	ND		940	190	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2,4-Dichlorophenol	ND		940	99	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2,4-Dimethylphenol	ND		940	230	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2,4-Dinitrophenol	ND		9200	4300	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2,4-Dinitrotoluene	ND		940	190	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2,6-Dinitrotoluene	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2-Chloronaphthalene	ND		940	150	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2-Chlorophenol	ND		1800	170	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2-Methylphenol	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2-Methylnaphthalene	ND		940	190	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2-Nitroaniline	ND		1800	140	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
2-Nitrophenol	ND		940	260	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
3,3'-Dichlorobenzidine	ND		1800	1100	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
3-Nitroaniline	ND		1800	260	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
4,6-Dinitro-2-methylphenol	ND		1800	940	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
4-Bromophenyl phenyl ether	ND		940	130	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
4-Chloro-3-methylphenol	ND		940	230	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
4-Chloroaniline	ND		940	230	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
4-Chlorophenyl phenyl ether	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
4-Nitroaniline	ND		1800	490	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
4-Nitrophenol	ND		1800	660	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Acenaphthene	ND		940	140	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Acenaphthylene	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Acetophenone	ND		940	130	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Anthracene	ND		940	230	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Atrazine	ND		940	330	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Benzaldehyde	ND		940	740	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Benzo[a]anthracene	**160**	**J**	940	94	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Benzo[a]pyrene	**190**	**J**	940	140	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Benzo[b]fluoranthene	**250**	**J**	940	150	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Benzo[g,h,i]perylene	**130**	**J**	940	99	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Benzo[k]fluoranthene	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Bis(2-chloroethoxy)methane	ND		940	200	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Bis(2-chloroethyl)ether	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Bis(2-ethylhexyl) phthalate	ND		940	320	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Butyl benzyl phthalate	ND		940	150	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Caprolactam	ND		940	280	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Carbazole	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Chrysene	ND		940	210	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Dibenz(a,h)anthracene	ND		940	170	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Di-n-butyl phthalate	**770**	**J**	940	160	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Di-n-octyl phthalate	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Dibenzofuran	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Diethyl phthalate	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Dimethyl phthalate	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5

Client Sample ID: SB-05-SS
Date Collected: 03/09/23 10:30
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-3
Matrix: Solid
Percent Solids: 88.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**280**	**J**	940	99	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Fluorene	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Hexachlorobenzene	ND		940	130	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Hexachlorobutadiene	ND		940	140	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Hexachlorocyclopentadiene	ND		940	130	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Hexachloroethane	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Indeno[1,2,3-cd]pyrene	**130**	**J**	940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Isophorone	ND		940	200	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
N-Nitrosodi-n-propylamine	ND		940	160	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
N-Nitrosodiphenylamine	ND		940	760	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Naphthalene	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Nitrobenzene	ND		940	100	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Pentachlorophenol	ND		1800	940	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Phenanthrene	**200**	**J**	940	140	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Phenol	ND		940	140	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5
Pyrene	**210**	**J**	940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 20:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*81*		*53 - 120*	*03/14/23 15:59*	*03/15/23 20:51*	*5*
Phenol-d5 (Surr)	*87*		*54 - 120*	*03/14/23 15:59*	*03/15/23 20:51*	*5*
p-Terphenyl-d14 (Surr)	*92*		*79 - 130*	*03/14/23 15:59*	*03/15/23 20:51*	*5*
2,4,6-Tribromophenol (Surr)	*70*		*54 - 120*	*03/14/23 15:59*	*03/15/23 20:51*	*5*
2-Fluorobiphenyl (Surr)	*90*		*60 - 120*	*03/14/23 15:59*	*03/15/23 20:51*	*5*
2-Fluorophenol (Surr)	*81*		*52 - 120*	*03/14/23 15:59*	*03/15/23 20:51*	*5*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	03/14/23 09:14	03/17/23 11:26	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	03/14/23 09:14	03/17/23 11:26	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	03/14/23 09:14	03/17/23 11:26	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	03/14/23 09:14	03/17/23 11:26	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	03/14/23 09:14	03/17/23 11:26	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	03/14/23 09:14	03/17/23 11:26	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	03/14/23 09:14	03/17/23 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*130*		*60 - 154*	*03/14/23 09:14*	*03/17/23 11:26*	*1*
Tetrachloro-m-xylene	*138*		*60 - 154*	*03/14/23 09:14*	*03/17/23 11:26*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*03/14/23 09:14*	*03/17/23 11:26*	*1*
DCB Decachlorobiphenyl	*110*		*65 - 174*	*03/14/23 09:14*	*03/17/23 11:26*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8960**		11.1	4.9	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Antimony	**0.97**	**J**	16.7	0.44	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Arsenic	**6.0**		2.2	0.44	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Barium	**95.0**		0.56	0.12	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Beryllium	**0.67**		0.22	0.031	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Cadmium	**0.22**		0.22	0.033	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Calcium	**17600**		55.6	3.7	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-05-SS
Date Collected: 03/09/23 10:30
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-3
Matrix: Solid
Percent Solids: 88.8

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	14.3		0.56	0.22	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Cobalt	4.1		0.56	0.056	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Copper	37.9		1.1	0.23	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Iron	20300		11.1	3.9	mg/Kg	☼	03/13/23 13:11	03/15/23 13:25	1
Lead	32.1		1.1	0.27	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Magnesium	1330		22.2	1.0	mg/Kg	☼	03/13/23 13:11	03/15/23 13:25	1
Manganese	718		0.22	0.036	mg/Kg	☼	03/13/23 13:11	03/15/23 13:25	1
Nickel	17.6		5.6	0.26	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Potassium	1400		33.4	22.2	mg/Kg	☼	03/13/23 13:11	03/15/23 13:25	1
Selenium	ND		4.4	0.44	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Silver	ND		0.67	0.22	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Sodium	778		156	14.5	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Thallium	1.4	J	6.7	0.33	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Vanadium	16.9		0.56	0.12	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1
Zinc	51.5		2.2	0.71	mg/Kg	☼	03/13/23 13:11	03/14/23 15:25	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	J	0.023	0.0053	mg/Kg	☼	03/16/23 09:43	03/16/23 12:58	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-05-3.5-4`
Date Collected: 03/09/23 10:39
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-4
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.8	0.35	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.78	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,1,2-Trichloroethane	ND		4.8	0.62	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,1-Dichloroethane	ND		4.8	0.59	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,1-Dichloroethene	ND		4.8	0.59	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,2,4-Trichlorobenzene	ND		4.8	0.29	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,2-Dibromo-3-Chloropropane	ND		4.8	2.4	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,2-Dibromoethane	ND		4.8	0.62	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,2-Dichlorobenzene	ND		4.8	0.38	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,2-Dichloroethane	ND		4.8	0.24	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,2-Dichloropropane	ND		4.8	2.4	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,3-Dichlorobenzene	ND		4.8	0.25	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
1,4-Dichlorobenzene	ND		4.8	0.67	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
2-Butanone (MEK)	ND		24	1.8	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
2-Hexanone	ND		24	2.4	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.6	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Acetone	**9.5**	**J**	24	4.0	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Benzene	ND		4.8	0.24	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Bromodichloromethane	ND		4.8	0.64	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Bromomethane	ND		4.8	0.43	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Carbon disulfide	ND		4.8	2.4	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Carbon tetrachloride	ND		4.8	0.46	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Chlorobenzene	ND		4.8	0.63	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Chloroethane	ND		4.8	1.1	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Chloroform	ND		4.8	0.30	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Chloromethane	ND		4.8	0.29	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
cis-1,2-Dichloroethene	ND		4.8	0.61	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
cis-1,3-Dichloropropene	ND		4.8	0.69	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Cyclohexane	ND		4.8	0.67	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Dibromochloromethane	ND		4.8	0.61	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Dichlorodifluoromethane	ND		4.8	0.40	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Ethylbenzene	ND		4.8	0.33	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Isopropylbenzene	ND		4.8	0.72	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Methyl acetate	ND		24	2.9	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Methyl tert-butyl ether	ND		4.8	0.47	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Methylcyclohexane	ND		4.8	0.73	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Methylene Chloride	**3.3**	**J B**	4.8	2.2	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Styrene	ND		4.8	0.24	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Tetrachloroethene	ND		4.8	0.64	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Toluene	ND		4.8	0.36	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
trans-1,2-Dichloroethene	ND		4.8	0.50	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
trans-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Trichloroethene	ND		4.8	1.1	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Trichlorofluoromethane	ND		4.8	0.45	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Vinyl chloride	ND		4.8	0.59	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1
Xylenes, Total	ND		9.6	0.81	ug/Kg	☼	03/10/23 14:45	03/14/23 23:51	1

Client Sample ID: SB-05-3.5-4`
Date Collected: 03/09/23 10:39
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-4
Matrix: Solid
Percent Solids: 84.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*03/10/23 14:45*	*03/14/23 23:51*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 126*	*03/10/23 14:45*	*03/14/23 23:51*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*03/10/23 14:45*	*03/14/23 23:51*	*1*
Toluene-d8 (Surr)	*102*		*71 - 125*	*03/10/23 14:45*	*03/14/23 23:51*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	290	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2,4,5-Trichlorophenol	ND		2000	530	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2,4-Dimethylphenol	ND		2000	480	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2,4-Dinitrophenol	ND		19000	9100	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2,6-Dinitrotoluene	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2-Chlorophenol	ND		3800	360	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2-Methylphenol	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2-Nitroaniline	ND		3800	290	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
2-Nitrophenol	ND		2000	560	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
3,3'-Dichlorobenzidine	ND		3800	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
3-Nitroaniline	ND		3800	550	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
4,6-Dinitro-2-methylphenol	ND		3800	2000	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
4-Chloro-3-methylphenol	ND		2000	490	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
4-Chloroaniline	ND		2000	490	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
4-Chlorophenyl phenyl ether	ND		2000	240	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
4-Methylphenol	ND		3800	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
4-Nitroaniline	ND		3800	1000	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
4-Nitrophenol	ND		3800	1400	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Acenaphthene	ND		2000	290	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Acenaphthylene	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Acetophenone	ND		2000	270	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Anthracene	ND		2000	490	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Atrazine	ND		2000	690	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Benzo[a]anthracene	**660**	**J**	2000	200	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Benzo[a]pyrene	**700**	**J**	2000	290	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Benzo[b]fluoranthene	**820**	**J**	2000	310	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Benzo[g,h,i]perylene	**470**	**J**	2000	210	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Benzo[k]fluoranthene	**360**	**J**	2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Bis(2-chloroethoxy)methane	ND		2000	420	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Bis(2-ethylhexyl) phthalate	ND		2000	670	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Caprolactam	ND		2000	590	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Carbazole	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Chrysene	**630**	**J**	2000	440	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10

Client Sample ID: SB-05-3.5-4`
Date Collected: 03/09/23 10:39
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-4
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		2000	350	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Di-n-octyl phthalate	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Dibenzofuran	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Diethyl phthalate	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Dimethyl phthalate	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Fluoranthene	**1400**	**J**	2000	210	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Fluorene	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Hexachlorobenzene	ND		2000	270	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Hexachloroethane	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Indeno[1,2,3-cd]pyrene	**390**	**J**	2000	240	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Isophorone	ND		2000	420	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Naphthalene	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Pentachlorophenol	ND		3800	2000	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Phenanthrene	**890**	**J**	2000	290	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Phenol	ND		2000	300	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10
Pyrene	**1000**	**J**	2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*73*		*53 - 120*	*03/14/23 15:59*	*03/15/23 21:15*	*10*
Phenol-d5 (Surr)	*73*		*54 - 120*	*03/14/23 15:59*	*03/15/23 21:15*	*10*
p-Terphenyl-d14 (Surr)	*85*		*79 - 130*	*03/14/23 15:59*	*03/15/23 21:15*	*10*
2,4,6-Tribromophenol (Surr)	*68*		*54 - 120*	*03/14/23 15:59*	*03/15/23 21:15*	*10*
2-Fluorobiphenyl (Surr)	*79*		*60 - 120*	*03/14/23 15:59*	*03/15/23 21:15*	*10*
2-Fluorophenol (Surr)	*67*		*52 - 120*	*03/14/23 15:59*	*03/15/23 21:15*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.053	mg/Kg	☼	03/14/23 09:14	03/17/23 11:40	1
PCB-1221	ND		0.27	0.053	mg/Kg	☼	03/14/23 09:14	03/17/23 11:40	1
PCB-1232	ND		0.27	0.053	mg/Kg	☼	03/14/23 09:14	03/17/23 11:40	1
PCB-1242	ND		0.27	0.053	mg/Kg	☼	03/14/23 09:14	03/17/23 11:40	1
PCB-1248	ND		0.27	0.053	mg/Kg	☼	03/14/23 09:14	03/17/23 11:40	1
PCB-1254	ND		0.27	0.13	mg/Kg	☼	03/14/23 09:14	03/17/23 11:40	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	03/14/23 09:14	03/17/23 11:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*127*		*60 - 154*	*03/14/23 09:14*	*03/17/23 11:40*	*1*
Tetrachloro-m-xylene	*144*		*60 - 154*	*03/14/23 09:14*	*03/17/23 11:40*	*1*
DCB Decachlorobiphenyl	*119*		*65 - 174*	*03/14/23 09:14*	*03/17/23 11:40*	*1*
DCB Decachlorobiphenyl	*115*		*65 - 174*	*03/14/23 09:14*	*03/17/23 11:40*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10900**		11.9	5.2	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-05-3.5-4`
Date Collected: 03/09/23 10:39
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-4
Matrix: Solid
Percent Solids: 84.9

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.7	J	17.9	0.48	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Arsenic	6.1		2.4	0.48	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Barium	123		0.60	0.13	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Beryllium	1.2		0.24	0.033	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Cadmium	0.27		0.24	0.036	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Calcium	40200		59.6	3.9	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Chromium	10.6		0.60	0.24	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Cobalt	4.0		0.60	0.060	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Copper	25.0		1.2	0.25	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Iron	24400		11.9	4.2	mg/Kg	☼	03/13/23 13:11	03/15/23 13:29	1
Lead	68.5		1.2	0.29	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Magnesium	4910		23.9	1.1	mg/Kg	☼	03/13/23 13:11	03/15/23 13:29	1
Manganese	718		0.24	0.038	mg/Kg	☼	03/13/23 13:11	03/15/23 13:29	1
Nickel	11.0		6.0	0.27	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Potassium	1470		35.8	23.9	mg/Kg	☼	03/13/23 13:11	03/15/23 13:29	1
Selenium	ND		4.8	0.48	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Silver	ND		0.72	0.24	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Sodium	655		167	15.5	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Thallium	1.2	J	7.2	0.36	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Vanadium	15.1		0.60	0.13	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1
Zinc	77.5		2.4	0.76	mg/Kg	☼	03/13/23 13:11	03/14/23 15:29	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.061		0.021	0.0049	mg/Kg	☼	03/16/23 09:43	03/16/23 12:59	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-07-SS
Date Collected: 03/09/23 12:53
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-5
Matrix: Solid
Percent Solids: 87.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		940	140	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
bis (2-chloroisopropyl) ether	ND		940	190	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2,4,5-Trichlorophenol	ND		940	260	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2,4,6-Trichlorophenol	ND		940	190	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2,4-Dichlorophenol	ND		940	100	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2,4-Dimethylphenol	ND		940	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2,4-Dinitrophenol	ND		9200	4400	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2,4-Dinitrotoluene	ND		940	190	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2,6-Dinitrotoluene	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2-Chloronaphthalene	ND		940	160	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2-Chlorophenol	ND		1800	170	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2-Methylphenol	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2-Methylnaphthalene	ND		940	190	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2-Nitroaniline	ND		1800	140	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
2-Nitrophenol	ND		940	270	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
3,3'-Dichlorobenzidine	ND		1800	1100	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
3-Nitroaniline	ND		1800	260	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
4,6-Dinitro-2-methylphenol	ND		1800	940	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
4-Bromophenyl phenyl ether	ND		940	130	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
4-Chloro-3-methylphenol	ND		940	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
4-Chloroaniline	ND		940	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
4-Chlorophenyl phenyl ether	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
4-Methylphenol	ND		1800	110	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
4-Nitroaniline	ND		1800	490	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
4-Nitrophenol	ND		1800	660	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Acenaphthene	ND		940	140	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Acenaphthylene	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Acetophenone	ND		940	130	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Anthracene	ND		940	230	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Atrazine	ND		940	330	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Benzaldehyde	ND		940	750	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Benzo[a]anthracene	**250**	**J**	940	94	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Benzo[a]pyrene	**280**	**J**	940	140	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Benzo[b]fluoranthene	**320**	**J**	940	150	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Benzo[g,h,i]perylene	**200**	**J**	940	100	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Benzo[k]fluoranthene	**200**	**J**	940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Bis(2-chloroethoxy)methane	ND		940	200	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Bis(2-chloroethyl)ether	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Bis(2-ethylhexyl) phthalate	**440**	**J**	940	320	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Butyl benzyl phthalate	ND		940	160	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Caprolactam	ND		940	280	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Carbazole	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Chrysene	**280**	**J**	940	210	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Dibenz(a,h)anthracene	ND		940	170	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Di-n-butyl phthalate	ND		940	160	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Di-n-octyl phthalate	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Dibenzofuran	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Diethyl phthalate	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Dimethyl phthalate	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5

Client Sample ID: SB-07-SS
Date Collected: 03/09/23 12:53
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-5
Matrix: Solid
Percent Solids: 87.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**470**	**J**	940	100	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Fluorene	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Hexachlorobenzene	ND		940	130	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Hexachlorobutadiene	ND		940	140	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Hexachlorocyclopentadiene	ND		940	130	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Hexachloroethane	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Indeno[1,2,3-cd]pyrene	**170**	**J**	940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Isophorone	ND		940	200	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
N-Nitrosodi-n-propylamine	ND		940	160	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
N-Nitrosodiphenylamine	ND		940	770	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Naphthalene	ND		940	120	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Nitrobenzene	ND		940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Pentachlorophenol	ND		1800	940	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Phenanthrene	**310**	**J**	940	140	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Phenol	ND		940	140	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5
Pyrene	**370**	**J**	940	110	ug/Kg	☼	03/14/23 15:59	03/15/23 21:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*80*		*53 - 120*	*03/14/23 15:59*	*03/15/23 21:39*	*5*
Phenol-d5 (Surr)	*84*		*54 - 120*	*03/14/23 15:59*	*03/15/23 21:39*	*5*
p-Terphenyl-d14 (Surr)	*92*		*79 - 130*	*03/14/23 15:59*	*03/15/23 21:39*	*5*
2,4,6-Tribromophenol (Surr)	*66*		*54 - 120*	*03/14/23 15:59*	*03/15/23 21:39*	*5*
2-Fluorobiphenyl (Surr)	*85*		*60 - 120*	*03/14/23 15:59*	*03/15/23 21:39*	*5*
2-Fluorophenol (Surr)	*80*		*52 - 120*	*03/14/23 15:59*	*03/15/23 21:39*	*5*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.054	mg/Kg	☼	03/14/23 09:14	03/17/23 11:53	1
PCB-1221	ND		0.27	0.054	mg/Kg	☼	03/14/23 09:14	03/17/23 11:53	1
PCB-1232	ND		0.27	0.054	mg/Kg	☼	03/14/23 09:14	03/17/23 11:53	1
PCB-1242	ND		0.27	0.054	mg/Kg	☼	03/14/23 09:14	03/17/23 11:53	1
PCB-1248	ND		0.27	0.054	mg/Kg	☼	03/14/23 09:14	03/17/23 11:53	1
PCB-1254	ND		0.27	0.13	mg/Kg	☼	03/14/23 09:14	03/17/23 11:53	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	03/14/23 09:14	03/17/23 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*136*		*60 - 154*	*03/14/23 09:14*	*03/17/23 11:53*	*1*
Tetrachloro-m-xylene	*149*		*60 - 154*	*03/14/23 09:14*	*03/17/23 11:53*	*1*
DCB Decachlorobiphenyl	*127*		*65 - 174*	*03/14/23 09:14*	*03/17/23 11:53*	*1*
DCB Decachlorobiphenyl	*122*		*65 - 174*	*03/14/23 09:14*	*03/17/23 11:53*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10400**		11.3	5.0	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Antimony	**0.78**	**J**	17.0	0.45	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Arsenic	**5.3**		2.3	0.45	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Barium	**78.2**		0.57	0.12	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Beryllium	**1.0**		0.23	0.032	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Cadmium	**0.20**	**J**	0.23	0.034	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Calcium	**23600**		56.6	3.7	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-07-SS
Date Collected: 03/09/23 12:53
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-5
Matrix: Solid
Percent Solids: 87.8

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	16.3		0.57	0.23	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Cobalt	3.8		0.57	0.057	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Copper	15.1		1.1	0.24	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Iron	17700		11.3	4.0	mg/Kg	☼	03/13/23 13:11	03/15/23 13:33	1
Lead	24.4		1.1	0.27	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Magnesium	3390		22.7	1.1	mg/Kg	☼	03/13/23 13:11	03/15/23 13:33	1
Manganese	878		0.23	0.036	mg/Kg	☼	03/13/23 13:11	03/15/23 13:33	1
Nickel	10.9		5.7	0.26	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Potassium	1370		34.0	22.7	mg/Kg	☼	03/13/23 13:11	03/15/23 13:33	1
Selenium	ND		4.5	0.45	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Silver	ND		0.68	0.23	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Sodium	316		159	14.7	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Thallium	1.1	J	6.8	0.34	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Vanadium	16.8		0.57	0.12	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1
Zinc	33.6		2.3	0.73	mg/Kg	☼	03/13/23 13:11	03/14/23 15:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.021	0.0049	mg/Kg	☼	03/16/23 09:43	03/16/23 13:01	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-07-3-3.5`
Date Collected: 03/09/23 12:56
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-6
Matrix: Solid
Percent Solids: 70.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6	0.41	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.92	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,1,2-Trichloroethane	ND		5.6	0.73	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,1-Dichloroethane	ND		5.6	0.69	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,1-Dichloroethene	ND		5.6	0.69	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,2-Dibromo-3-Chloropropane	ND		5.6	2.8	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,2-Dibromoethane	ND		5.6	0.72	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,2-Dichlorobenzene	ND		5.6	0.44	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,2-Dichloroethane	ND		5.6	0.28	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,2-Dichloropropane	ND		5.6	2.8	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,3-Dichlorobenzene	ND		5.6	0.29	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
1,4-Dichlorobenzene	ND		5.6	0.79	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
2-Butanone (MEK)	ND		28	2.1	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
2-Hexanone	ND		28	2.8	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.9	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Acetone	ND		28	4.8	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Benzene	ND		5.6	0.28	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Bromodichloromethane	ND		5.6	0.76	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Bromomethane	ND		5.6	0.51	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Carbon disulfide	ND		5.6	2.8	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Carbon tetrachloride	ND		5.6	0.55	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Chlorobenzene	ND		5.6	0.74	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Chloroethane	ND		5.6	1.3	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Chloroform	ND		5.6	0.35	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Chloromethane	ND		5.6	0.34	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
cis-1,2-Dichloroethene	ND		5.6	0.72	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
cis-1,3-Dichloropropene	ND		5.6	0.81	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Cyclohexane	ND		5.6	0.79	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Dibromochloromethane	ND		5.6	0.72	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Dichlorodifluoromethane	ND		5.6	0.47	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Ethylbenzene	ND		5.6	0.39	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Isopropylbenzene	ND		5.6	0.85	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Methyl acetate	ND		28	3.4	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Methyl tert-butyl ether	ND		5.6	0.55	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Methylcyclohexane	ND		5.6	0.86	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Methylene Chloride	**4.2**	**J B**	5.6	2.6	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Styrene	ND		5.6	0.28	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Tetrachloroethene	ND		5.6	0.76	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Toluene	ND		5.6	0.43	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
trans-1,2-Dichloroethene	ND		5.6	0.58	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Trichloroethene	ND		5.6	1.2	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Trichlorofluoromethane	ND		5.6	0.53	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Vinyl chloride	ND		5.6	0.69	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1
Xylenes, Total	ND		11	0.95	ug/Kg	☼	03/10/23 14:45	03/15/23 00:16	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-07-3-3.5`
Date Collected: 03/09/23 12:56
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-6
Matrix: Solid
Percent Solids: 70.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*03/10/23 14:45*	*03/15/23 00:16*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*	*03/10/23 14:45*	*03/15/23 00:16*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*03/10/23 14:45*	*03/15/23 00:16*	*1*
Toluene-d8 (Surr)	*101*		*71 - 125*	*03/10/23 14:45*	*03/15/23 00:16*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2300	340	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
bis (2-chloroisopropyl) ether	ND		2300	470	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2,4,5-Trichlorophenol	ND		2300	630	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2,4,6-Trichlorophenol	ND		2300	470	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2,4-Dichlorophenol	ND		2300	250	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2,4-Dimethylphenol	ND		2300	560	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2,4-Dinitrophenol	ND		23000	11000	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2,4-Dinitrotoluene	ND		2300	480	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2,6-Dinitrotoluene	ND		2300	270	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2-Chloronaphthalene	ND		2300	380	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2-Chlorophenol	ND		4500	430	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2-Methylphenol	ND		2300	270	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2-Methylnaphthalene	ND		2300	470	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2-Nitroaniline	ND		4500	340	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
2-Nitrophenol	ND		2300	660	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
3,3'-Dichlorobenzidine	ND		4500	2700	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
3-Nitroaniline	ND		4500	640	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
4,6-Dinitro-2-methylphenol	ND		4500	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
4-Bromophenyl phenyl ether	ND		2300	330	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
4-Chloro-3-methylphenol	ND		2300	580	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
4-Chloroaniline	ND		2300	580	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
4-Chlorophenyl phenyl ether	ND		2300	290	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
4-Methylphenol	ND		4500	270	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
4-Nitroaniline	ND		4500	1200	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
4-Nitrophenol	ND		4500	1600	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Acenaphthene	ND		2300	340	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Acenaphthylene	ND		2300	300	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Acetophenone	ND		2300	320	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Anthracene	**660**	**J**	2300	580	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Atrazine	ND		2300	810	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Benzaldehyde	ND		2300	1900	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Benzo[a]anthracene	**1200**	**J**	2300	230	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Benzo[a]pyrene	**1200**	**J**	2300	340	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Benzo[b]fluoranthene	**1600**	**J**	2300	370	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Benzo[g,h,i]perylene	**730**	**J**	2300	250	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Benzo[k]fluoranthene	**620**	**J**	2300	300	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Bis(2-chloroethoxy)methane	ND		2300	490	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Bis(2-chloroethyl)ether	ND		2300	300	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Bis(2-ethylhexyl) phthalate	ND		2300	800	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Butyl benzyl phthalate	ND		2300	380	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Caprolactam	ND		2300	700	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Carbazole	**310**	**J**	2300	270	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Chrysene	**1300**	**J**	2300	520	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-07-3-3.5`
Date Collected: 03/09/23 12:56
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-6
Matrix: Solid
Percent Solids: 70.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		2300	410	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Di-n-butyl phthalate	ND		2300	400	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Di-n-octyl phthalate	ND		2300	270	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Dibenzofuran	ND		2300	270	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Diethyl phthalate	ND		2300	300	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Dimethyl phthalate	ND		2300	270	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Fluoranthene	**3100**		2300	250	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Fluorene	ND		2300	270	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Hexachlorobenzene	ND		2300	320	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Hexachlorobutadiene	ND		2300	340	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Hexachlorocyclopentadiene	ND		2300	320	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Hexachloroethane	ND		2300	300	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Indeno[1,2,3-cd]pyrene	**670**	**J**	2300	290	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Isophorone	ND		2300	490	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
N-Nitrosodi-n-propylamine	ND		2300	400	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
N-Nitrosodiphenylamine	ND		2300	1900	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Naphthalene	ND		2300	300	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Nitrobenzene	ND		2300	260	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Pentachlorophenol	ND		4500	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Phenanthrene	**2700**		2300	340	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Phenol	ND		2300	360	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10
Pyrene	**2000**	**J**	2300	270	ug/Kg	☼	03/14/23 15:59	03/15/23 22:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*85*		*53 - 120*	*03/14/23 15:59*	*03/15/23 22:04*	*10*
Phenol-d5 (Surr)	*91*		*54 - 120*	*03/14/23 15:59*	*03/15/23 22:04*	*10*
p-Terphenyl-d14 (Surr)	*84*		*79 - 130*	*03/14/23 15:59*	*03/15/23 22:04*	*10*
2,4,6-Tribromophenol (Surr)	*70*		*54 - 120*	*03/14/23 15:59*	*03/15/23 22:04*	*10*
2-Fluorobiphenyl (Surr)	*86*		*60 - 120*	*03/14/23 15:59*	*03/15/23 22:04*	*10*
2-Fluorophenol (Surr)	*86*		*52 - 120*	*03/14/23 15:59*	*03/15/23 22:04*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.050	mg/Kg	☼	03/14/23 09:14	03/17/23 12:06	1
PCB-1221	ND		0.25	0.050	mg/Kg	☼	03/14/23 09:14	03/17/23 12:06	1
PCB-1232	ND		0.25	0.050	mg/Kg	☼	03/14/23 09:14	03/17/23 12:06	1
PCB-1242	ND		0.25	0.050	mg/Kg	☼	03/14/23 09:14	03/17/23 12:06	1
PCB-1248	ND		0.25	0.050	mg/Kg	☼	03/14/23 09:14	03/17/23 12:06	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	03/14/23 09:14	03/17/23 12:06	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	03/14/23 09:14	03/17/23 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*125*		*60 - 154*	*03/14/23 09:14*	*03/17/23 12:06*	*1*
Tetrachloro-m-xylene	*133*		*60 - 154*	*03/14/23 09:14*	*03/17/23 12:06*	*1*
DCB Decachlorobiphenyl	*108*		*65 - 174*	*03/14/23 09:14*	*03/17/23 12:06*	*1*
DCB Decachlorobiphenyl	*103*		*65 - 174*	*03/14/23 09:14*	*03/17/23 12:06*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8450**		13.9	6.1	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-07-3-3.5`
Date Collected: 03/09/23 12:56
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-6
Matrix: Solid
Percent Solids: 70.8

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		20.8	0.56	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Arsenic	**4.2**		2.8	0.56	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Barium	**83.1**		0.69	0.15	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Beryllium	**0.65**		0.28	0.039	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Cadmium	**4.2**		0.28	0.042	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Calcium	**64500**		69.4	4.6	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Chromium	**16.7**		0.69	0.28	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Cobalt	**3.3**		0.69	0.069	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Copper	**12.4**		1.4	0.29	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Iron	**13100**		13.9	4.9	mg/Kg	☼	03/13/23 13:11	03/15/23 13:37	1
Lead	**28.2**		1.4	0.33	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Magnesium	**22800**		27.8	1.3	mg/Kg	☼	03/13/23 13:11	03/15/23 13:37	1
Manganese	**1060**		0.28	0.044	mg/Kg	☼	03/13/23 13:11	03/15/23 13:37	1
Nickel	**9.7**		6.9	0.32	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Potassium	**1540**		41.6	27.8	mg/Kg	☼	03/13/23 13:11	03/15/23 13:37	1
Selenium	ND		5.6	0.56	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Silver	ND		0.83	0.28	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Sodium	**416**		194	18.0	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Thallium	**1.5**	**J**	8.3	0.42	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Vanadium	**17.2**		0.69	0.15	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1
Zinc	**890**		2.8	0.89	mg/Kg	☼	03/13/23 13:11	03/14/23 15:37	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.016**	**J**	0.029	0.0067	mg/Kg	☼	03/16/23 09:43	03/16/23 13:05	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-09-SS
Date Collected: 03/09/23 14:31
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-7
Matrix: Solid
Percent Solids: 85.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		980	140	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
bis (2-chloroisopropyl) ether	ND		980	200	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2,4,5-Trichlorophenol	ND		980	270	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2,4,6-Trichlorophenol	ND		980	200	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2,4-Dichlorophenol	ND		980	100	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2,4-Dimethylphenol	ND		980	240	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2,4-Dinitrophenol	ND		9600	4500	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2,4-Dinitrotoluene	ND		980	200	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2,6-Dinitrotoluene	ND		980	120	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2-Chloronaphthalene	ND		980	160	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2-Chlorophenol	ND		1900	180	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2-Methylphenol	ND		980	120	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2-Methylnaphthalene	ND		980	200	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2-Nitroaniline	ND		1900	140	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
2-Nitrophenol	ND		980	280	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
3,3'-Dichlorobenzidine	ND		1900	1200	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
3-Nitroaniline	ND		1900	270	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
4,6-Dinitro-2-methylphenol	ND		1900	980	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
4-Bromophenyl phenyl ether	ND		980	140	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
4-Chloro-3-methylphenol	ND		980	240	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
4-Chloroaniline	ND		980	240	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
4-Chlorophenyl phenyl ether	ND		980	120	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
4-Methylphenol	ND		1900	120	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
4-Nitroaniline	ND		1900	510	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
4-Nitrophenol	ND		1900	690	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Acenaphthene	ND		980	140	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Acenaphthylene	ND		980	130	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Acetophenone	ND		980	130	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Anthracene	ND		980	240	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Atrazine	ND		980	340	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Benzaldehyde	ND		980	780	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Benzo[a]anthracene	**310**	**J**	980	98	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Benzo[a]pyrene	**370**	**J**	980	140	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Benzo[b]fluoranthene	**450**	**J**	980	160	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Benzo[g,h,i]perylene	**240**	**J**	980	100	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Benzo[k]fluoranthene	**180**	**J**	980	130	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Bis(2-chloroethoxy)methane	ND		980	210	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Bis(2-chloroethyl)ether	ND		980	130	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Bis(2-ethylhexyl) phthalate	**2100**		980	340	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Butyl benzyl phthalate	**160**	**J**	980	160	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Caprolactam	ND		980	290	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Carbazole	ND		980	120	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Chrysene	**340**	**J**	980	220	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Dibenz(a,h)anthracene	ND		980	170	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Di-n-butyl phthalate	**270**	**J**	980	170	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Di-n-octyl phthalate	ND		980	120	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Dibenzofuran	ND		980	120	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Diethyl phthalate	ND		980	130	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Dimethyl phthalate	ND		980	120	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5

Client Sample ID: SB-09-SS
Date Collected: 03/09/23 14:31
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-7
Matrix: Solid
Percent Solids: 85.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**650**	**J**	980	100	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Fluorene	ND		980	120	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Hexachlorobenzene	ND		980	130	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Hexachlorobutadiene	ND		980	140	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Hexachlorocyclopentadiene	ND		980	130	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Hexachloroethane	ND		980	130	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Indeno[1,2,3-cd]pyrene	**230**	**J**	980	120	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Isophorone	ND		980	210	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
N-Nitrosodi-n-propylamine	ND		980	170	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
N-Nitrosodiphenylamine	ND		980	800	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Naphthalene	ND		980	130	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Nitrobenzene	ND		980	110	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Pentachlorophenol	ND		1900	980	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Phenanthrene	**330**	**J**	980	140	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Phenol	ND		980	150	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5
Pyrene	**500**	**J**	980	120	ug/Kg	☼	03/14/23 15:59	03/15/23 22:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*65*		*53 - 120*	*03/14/23 15:59*	*03/15/23 22:28*	*5*
Phenol-d5 (Surr)	*68*		*54 - 120*	*03/14/23 15:59*	*03/15/23 22:28*	*5*
p-Terphenyl-d14 (Surr)	*69*	*S1-*	*79 - 130*	*03/14/23 15:59*	*03/15/23 22:28*	*5*
2,4,6-Tribromophenol (Surr)	*58*		*54 - 120*	*03/14/23 15:59*	*03/15/23 22:28*	*5*
2-Fluorobiphenyl (Surr)	*68*		*60 - 120*	*03/14/23 15:59*	*03/15/23 22:28*	*5*
2-Fluorophenol (Surr)	*65*		*52 - 120*	*03/14/23 15:59*	*03/15/23 22:28*	*5*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.046	mg/Kg	☼	03/14/23 09:14	03/17/23 12:20	1
PCB-1221	ND		0.24	0.046	mg/Kg	☼	03/14/23 09:14	03/17/23 12:20	1
PCB-1232	ND		0.24	0.046	mg/Kg	☼	03/14/23 09:14	03/17/23 12:20	1
PCB-1242	ND		0.24	0.046	mg/Kg	☼	03/14/23 09:14	03/17/23 12:20	1
PCB-1248	ND		0.24	0.046	mg/Kg	☼	03/14/23 09:14	03/17/23 12:20	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	03/14/23 09:14	03/17/23 12:20	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	03/14/23 09:14	03/17/23 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*134*		*60 - 154*	*03/14/23 09:14*	*03/17/23 12:20*	*1*
Tetrachloro-m-xylene	*151*		*60 - 154*	*03/14/23 09:14*	*03/17/23 12:20*	*1*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*03/14/23 09:14*	*03/17/23 12:20*	*1*
DCB Decachlorobiphenyl	*118*		*65 - 174*	*03/14/23 09:14*	*03/17/23 12:20*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15700**		11.6	5.1	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Antimony	**0.87**	**J**	17.4	0.46	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Arsenic	**7.2**		2.3	0.46	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Barium	**165**		0.58	0.13	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Beryllium	**2.3**		0.23	0.032	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Cadmium	**0.43**		0.23	0.035	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Calcium	**65300**		58.0	3.8	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-09-SS
Date Collected: 03/09/23 14:31
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-7
Matrix: Solid
Percent Solids: 85.2

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	21.6		0.58	0.23	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Cobalt	6.1		0.58	0.058	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Copper	21.6		1.2	0.24	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Iron	17500		11.6	4.1	mg/Kg	☼	03/13/23 13:11	03/15/23 13:41	1
Lead	114		1.2	0.28	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Magnesium	11100		23.2	1.1	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Manganese	1380		0.23	0.037	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Nickel	17.8		5.8	0.27	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Potassium	1930		34.8	23.2	mg/Kg	☼	03/13/23 13:11	03/15/23 13:41	1
Selenium	1.4	J	4.6	0.46	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Silver	ND		0.70	0.23	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Sodium	985		162	15.1	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Thallium	1.4	J	7.0	0.35	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Vanadium	20.0		0.58	0.13	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1
Zinc	114		2.3	0.74	mg/Kg	☼	03/13/23 13:11	03/14/23 15:52	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.085		0.023	0.0053	mg/Kg	☼	03/16/23 09:43	03/16/23 13:06	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-09-3-3.5`
Date Collected: 03/09/23 14:34
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-8
Matrix: Solid
Percent Solids: 78.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.2	0.45	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,1,2,2-Tetrachloroethane	ND		6.2	1.0	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2	1.4	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,1,2-Trichloroethane	ND		6.2	0.80	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,1-Dichloroethane	ND		6.2	0.75	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,1-Dichloroethene	ND		6.2	0.76	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,2,4-Trichlorobenzene	ND		6.2	0.38	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,2-Dibromo-3-Chloropropane	ND		6.2	3.1	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,2-Dibromoethane	ND		6.2	0.79	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,2-Dichlorobenzene	ND		6.2	0.48	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,2-Dichloroethane	ND		6.2	0.31	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,2-Dichloropropane	ND		6.2	3.1	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,3-Dichlorobenzene	ND		6.2	0.32	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
1,4-Dichlorobenzene	ND		6.2	0.86	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
2-Butanone (MEK)	**3.4**	**J**	31	2.3	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
2-Hexanone	ND		31	3.1	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
4-Methyl-2-pentanone (MIBK)	ND		31	2.0	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Acetone	**29**	**J**	31	5.2	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Benzene	ND		6.2	0.30	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Bromodichloromethane	ND		6.2	0.83	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Bromoform	ND		6.2	3.1	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Bromomethane	ND		6.2	0.56	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Carbon disulfide	ND		6.2	3.1	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Carbon tetrachloride	ND		6.2	0.60	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Chlorobenzene	ND		6.2	0.82	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Chloroethane	ND		6.2	1.4	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Chloroform	ND		6.2	0.38	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Chloromethane	ND		6.2	0.37	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
cis-1,2-Dichloroethene	ND		6.2	0.79	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
cis-1,3-Dichloropropene	ND		6.2	0.89	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Cyclohexane	ND		6.2	0.86	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Dibromochloromethane	ND		6.2	0.79	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Dichlorodifluoromethane	ND		6.2	0.51	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Ethylbenzene	ND		6.2	0.43	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Isopropylbenzene	ND		6.2	0.93	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Methyl acetate	ND		31	3.7	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Methyl tert-butyl ether	ND		6.2	0.61	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Methylcyclohexane	ND		6.2	0.94	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Methylene Chloride	**3.2**	**J B**	6.2	2.8	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Styrene	ND		6.2	0.31	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Tetrachloroethene	ND		6.2	0.83	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Toluene	ND		6.2	0.47	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
trans-1,2-Dichloroethene	ND		6.2	0.64	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
trans-1,3-Dichloropropene	ND		6.2	2.7	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Trichloroethene	ND		6.2	1.4	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Trichlorofluoromethane	ND		6.2	0.58	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Vinyl chloride	ND		6.2	0.75	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1
Xylenes, Total	ND		12	1.0	ug/Kg	☼	03/10/23 14:45	03/15/23 00:40	1

Client Sample ID: SB-09-3-3.5`
Date Collected: 03/09/23 14:34
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-8
Matrix: Solid
Percent Solids: 78.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*03/10/23 14:45*	*03/15/23 00:40*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*	*03/10/23 14:45*	*03/15/23 00:40*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*03/10/23 14:45*	*03/15/23 00:40*	*1*
Toluene-d8 (Surr)	*101*		*71 - 125*	*03/10/23 14:45*	*03/15/23 00:40*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4300	630	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
bis (2-chloroisopropyl) ether	ND		4300	860	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2,4,5-Trichlorophenol	ND		4300	1200	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2,4,6-Trichlorophenol	ND		4300	860	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2,4-Dichlorophenol	ND		4300	450	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2,4-Dimethylphenol	ND		4300	1000	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2,4-Dinitrophenol	ND		42000	20000	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2,4-Dinitrotoluene	ND		4300	880	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2,6-Dinitrotoluene	ND		4300	500	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2-Chloronaphthalene	ND		4300	700	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2-Chlorophenol	ND		8300	780	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2-Methylphenol	ND		4300	500	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2-Methylnaphthalene	ND		4300	860	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2-Nitroaniline	ND		8300	630	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
2-Nitrophenol	ND		4300	1200	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
3,3'-Dichlorobenzidine	ND		8300	5000	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
3-Nitroaniline	ND		8300	1200	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
4,6-Dinitro-2-methylphenol	ND		8300	4300	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
4-Bromophenyl phenyl ether	ND		4300	600	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
4-Chloro-3-methylphenol	ND		4300	1100	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
4-Chloroaniline	ND		4300	1100	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
4-Chlorophenyl phenyl ether	ND		4300	530	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
4-Methylphenol	ND		8300	500	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
4-Nitroaniline	ND		8300	2200	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
4-Nitrophenol	ND		8300	3000	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Acenaphthene	ND		4300	630	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Acenaphthylene	ND		4300	550	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Acetophenone	ND		4300	580	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Anthracene	ND		4300	1100	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Atrazine	ND		4300	1500	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Benzaldehyde	ND		4300	3400	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Benzo[a]anthracene	ND		4300	430	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Benzo[a]pyrene	ND		4300	630	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Benzo[b]fluoranthene	ND		4300	680	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Benzo[g,h,i]perylene	ND		4300	450	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Benzo[k]fluoranthene	ND		4300	550	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Bis(2-chloroethoxy)methane	ND		4300	910	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Bis(2-chloroethyl)ether	ND		4300	550	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Bis(2-ethylhexyl) phthalate	ND		4300	1500	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Butyl benzyl phthalate	ND		4300	700	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Caprolactam	ND		4300	1300	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Carbazole	ND		4300	500	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Chrysene	ND		4300	960	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20

Client Sample ID: SB-09-3-3.5`
Date Collected: 03/09/23 14:34
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-8
Matrix: Solid
Percent Solids: 78.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		4300	750	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Di-n-butyl phthalate	ND		4300	730	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Di-n-octyl phthalate	ND		4300	500	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Dibenzofuran	ND		4300	500	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Diethyl phthalate	ND		4300	550	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Dimethyl phthalate	ND		4300	500	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Fluoranthene	**1100**	**J**	4300	450	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Fluorene	ND		4300	500	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Hexachlorobenzene	ND		4300	580	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Hexachlorobutadiene	ND		4300	630	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Hexachlorocyclopentadiene	ND		4300	580	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Hexachloroethane	ND		4300	550	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Indeno[1,2,3-cd]pyrene	ND		4300	530	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Isophorone	ND		4300	910	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
N-Nitrosodi-n-propylamine	ND		4300	730	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
N-Nitrosodiphenylamine	ND		4300	3500	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Naphthalene	ND		4300	550	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Nitrobenzene	ND		4300	480	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Pentachlorophenol	ND		8300	4300	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Phenanthrene	**650**	**J**	4300	630	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Phenol	ND		4300	650	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20
Pyrene	**650**	**J**	4300	500	ug/Kg	☼	03/14/23 15:59	03/16/23 12:21	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*62*		*53 - 120*	*03/14/23 15:59*	*03/16/23 12:21*	*20*
Phenol-d5 (Surr)	*48*	*S1-*	*54 - 120*	*03/14/23 15:59*	*03/16/23 12:21*	*20*
p-Terphenyl-d14 (Surr)	*70*	*S1-*	*79 - 130*	*03/14/23 15:59*	*03/16/23 12:21*	*20*
2,4,6-Tribromophenol (Surr)	*73*		*54 - 120*	*03/14/23 15:59*	*03/16/23 12:21*	*20*
2-Fluorobiphenyl (Surr)	*72*		*60 - 120*	*03/14/23 15:59*	*03/16/23 12:21*	*20*
2-Fluorophenol (Surr)	*53*		*52 - 120*	*03/14/23 15:59*	*03/16/23 12:21*	*20*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.050	mg/Kg	☼	03/14/23 09:14	03/20/23 10:25	1
PCB-1221	ND		0.26	0.050	mg/Kg	☼	03/14/23 09:14	03/20/23 10:25	1
PCB-1232	ND		0.26	0.050	mg/Kg	☼	03/14/23 09:14	03/20/23 10:25	1
PCB-1242	ND		0.26	0.050	mg/Kg	☼	03/14/23 09:14	03/20/23 10:25	1
PCB-1248	ND		0.26	0.050	mg/Kg	☼	03/14/23 09:14	03/20/23 10:25	1
PCB-1254	ND		0.26	0.12	mg/Kg	☼	03/14/23 09:14	03/20/23 10:25	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	03/14/23 09:14	03/20/23 10:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*60 - 154*	*03/14/23 09:14*	*03/20/23 10:25*	*1*
Tetrachloro-m-xylene	*105*		*60 - 154*	*03/14/23 09:14*	*03/20/23 10:25*	*1*
DCB Decachlorobiphenyl	*109*		*65 - 174*	*03/14/23 09:14*	*03/20/23 10:25*	*1*
DCB Decachlorobiphenyl	*102*		*65 - 174*	*03/14/23 09:14*	*03/20/23 10:25*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**21000**		12.8	5.6	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-09-3-3.5`
Date Collected: 03/09/23 14:34
Date Received: 03/09/23 16:43

Lab Sample ID: 480-206849-8
Matrix: Solid
Percent Solids: 78.4

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.57	J	19.2	0.51	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Arsenic	7.1		2.6	0.51	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Barium	355		0.64	0.14	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Beryllium	2.2		0.26	0.036	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Cadmium	0.33		0.26	0.038	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Calcium	75000		64.2	4.2	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Chromium	19.6		0.64	0.26	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Cobalt	4.3		0.64	0.064	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Copper	43.4		1.3	0.27	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Iron	17800		12.8	4.5	mg/Kg	☼	03/13/23 13:11	03/15/23 13:45	1
Lead	71.4		1.3	0.31	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Magnesium	12600		25.7	1.2	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Manganese	1990		0.26	0.041	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Nickel	14.1		6.4	0.30	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Potassium	2550		38.5	25.7	mg/Kg	☼	03/13/23 13:11	03/15/23 13:45	1
Selenium	0.88	J	5.1	0.51	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Silver	ND		0.77	0.26	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Sodium	754		180	16.7	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Thallium	1.7	J	7.7	0.38	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Vanadium	20.7		0.64	0.14	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1
Zinc	120		2.6	0.82	mg/Kg	☼	03/13/23 13:11	03/14/23 15:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14		0.026	0.0061	mg/Kg	☼	03/16/23 09:43	03/16/23 13:07	1

Surrogate Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-206849-2	SB-03 4-4.5`	101	102	104	98
480-206849-4	SB-05-3.5-4`	104	93	105	102
480-206849-6	SB-07-3-3.5`	102	99	103	101
480-206849-8	SB-09-3-3.5`	105	95	103	101
LCS 480-661501/1-A	Lab Control Sample	104	99	102	98
LCSD 480-661501/2-A	Lab Control Sample Dup	102	102	102	99
MB 480-661501/3-A	Method Blank	99	101	105	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	PHL	TPHd14	TBP	FBP	2FP
Lab Sample ID	Client Sample ID	(53-120)	(54-120)	(79-130)	(54-120)	(60-120)	(52-120)
480-206849-1	SB-03-SS	91	81	96	235 S1+	92	73
480-206849-1 MS	SB-03-SS	82	80	93	238 S1+	88	73
480-206849-1 MSD	SB-03-SS	80	83	98	227 S1+	83	73
480-206849-2	SB-03 4-4.5`	70	80	80	67	81	71
480-206849-3	SB-05-SS	81	87	92	70	90	81
480-206849-4	SB-05-3.5-4`	73	73	85	68	79	67
480-206849-5	SB-07-SS	80	84	92	66	85	80
480-206849-6	SB-07-3-3.5`	85	91	84	70	86	86
480-206849-7	SB-09-SS	65	68	69 S1-	58	68	65
480-206849-8	SB-09-3-3.5`	62	48 S1-	70 S1-	73	72	53
LCS 480-661484/2-A	Lab Control Sample	77	80	83	86	78	72
MB 480-661484/1-A	Method Blank	79	82	90	66	83	75

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(60-154)	(65-174)	(65-174)
480-206849-1	SB-03-SS	143	133	116	121
480-206849-2	SB-03 4-4.5`	121	138	114	150
480-206849-3	SB-05-SS	138	130	110	116
480-206849-4	SB-05-3.5-4`	144	127	115	119

Surrogate Summary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206849-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(60-154)	(65-174)	(65-174)
480-206849-5	SB-07-SS	149	136	122	127
480-206849-6	SB-07-3-3.5`	133	125	103	108
480-206849-7	SB-09-SS	151	134	118	123
480-206849-8	SB-09-3-3.5`	105	102	102	109
LCS 480-661381/2-A	Lab Control Sample	142	140	139	144
MB 480-661381/1-A	Method Blank	148	145	149	154

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-661501/3-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
2-Hexanone	ND		25	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Acetone	ND		25	4.2	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Benzene	ND		5.0	0.25	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Bromoform	ND		5.0	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Bromomethane	ND		5.0	0.45	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Chloroethane	ND		5.0	1.1	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Chloroform	0.331	J	5.0	0.31	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Chloromethane	ND		5.0	0.30	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Cyclohexane	ND		5.0	0.70	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Methyl acetate	ND		25	3.0	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Methylene Chloride	3.42	J	5.0	2.3	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Styrene	ND		5.0	0.25	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Toluene	ND		5.0	0.38	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Trichloroethene	ND		5.0	1.1	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Xylenes, Total	ND		10	0.84	ug/Kg		03/14/23 16:54	03/14/23 20:48	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-661501/3-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661501

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	03/14/23 16:54	03/14/23 20:48	1
4-Bromofluorobenzene (Surr)	101		72 - 126	03/14/23 16:54	03/14/23 20:48	1
Dibromofluoromethane (Surr)	105		60 - 140	03/14/23 16:54	03/14/23 20:48	1
Toluene-d8 (Surr)	98		71 - 125	03/14/23 16:54	03/14/23 20:48	1

Lab Sample ID: LCS 480-661501/1-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	53.6		ug/Kg		107	77 - 121
1,1,2,2-Tetrachloroethane	50.0	47.6		ug/Kg		95	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.1		ug/Kg		94	60 - 140
1,1,2-Trichloroethane	50.0	46.8		ug/Kg		94	78 - 122
1,1-Dichloroethane	50.0	51.3		ug/Kg		103	73 - 126
1,1-Dichloroethene	50.0	51.0		ug/Kg		102	59 - 125
1,2,4-Trichlorobenzene	50.0	49.5		ug/Kg		99	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	53.8		ug/Kg		108	63 - 124
1,2-Dibromoethane	50.0	47.6		ug/Kg		95	78 - 120
1,2-Dichlorobenzene	50.0	47.0		ug/Kg		94	75 - 120
1,2-Dichloroethane	50.0	47.7		ug/Kg		95	77 - 122
1,2-Dichloropropane	50.0	49.9		ug/Kg		100	75 - 124
1,3-Dichlorobenzene	50.0	48.0		ug/Kg		96	74 - 120
1,4-Dichlorobenzene	50.0	47.2		ug/Kg		94	73 - 120
2-Butanone (MEK)	250	248		ug/Kg		99	70 - 134
2-Hexanone	250	248		ug/Kg		99	59 - 130
4-Methyl-2-pentanone (MIBK)	250	245		ug/Kg		98	65 - 133
Acetone	250	233		ug/Kg		93	61 - 137
Benzene	50.0	50.6		ug/Kg		101	79 - 127
Bromodichloromethane	50.0	51.8		ug/Kg		104	80 - 122
Bromoform	50.0	52.9		ug/Kg		106	68 - 126
Bromomethane	50.0	52.9		ug/Kg		106	37 - 149
Carbon disulfide	50.0	49.6		ug/Kg		99	64 - 131
Carbon tetrachloride	50.0	56.8		ug/Kg		114	75 - 135
Chlorobenzene	50.0	48.8		ug/Kg		98	76 - 124
Chloroethane	50.0	56.4		ug/Kg		113	69 - 135
Chloroform	50.0	48.9		ug/Kg		98	80 - 120
Chloromethane	50.0	54.3		ug/Kg		109	63 - 127
cis-1,2-Dichloroethene	50.0	49.9		ug/Kg		100	81 - 120
cis-1,3-Dichloropropene	50.0	54.1		ug/Kg		108	80 - 120
Cyclohexane	50.0	53.1		ug/Kg		106	65 - 120
Dibromochloromethane	50.0	52.3		ug/Kg		105	76 - 125
Dichlorodifluoromethane	50.0	63.3		ug/Kg		127	57 - 142
Ethylbenzene	50.0	49.9		ug/Kg		100	80 - 120
Isopropylbenzene	50.0	51.6		ug/Kg		103	72 - 120
Methyl acetate	100	98.8		ug/Kg		99	55 - 136
Methyl tert-butyl ether	50.0	48.8		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	55.5		ug/Kg		111	60 - 140

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-661501/1-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661501

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Chloride			50.0	55.1		ug/Kg		110	61 - 127		
Styrene			50.0	49.6		ug/Kg		99	80 - 120		
Tetrachloroethene			50.0	56.0		ug/Kg		112	74 - 122		
Toluene			50.0	49.1		ug/Kg		98	74 - 128		
trans-1,2-Dichloroethene			50.0	51.5		ug/Kg		103	78 - 126		
Trichloroethene			50.0	53.2		ug/Kg		106	77 - 129		
Trichlorofluoromethane			50.0	58.3		ug/Kg		117	65 - 146		
Vinyl chloride			50.0	57.2		ug/Kg		114	61 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*
Dibromofluoromethane (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*98*		*71 - 125*

Lab Sample ID: LCSD 480-661501/2-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661501

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			50.0	51.0		ug/Kg		102	77 - 121	5	20
1,1,2,2-Tetrachloroethane			50.0	47.5		ug/Kg		95	80 - 120	0	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne			50.0	44.2		ug/Kg		88	60 - 140	6	20
1,1,2-Trichloroethane			50.0	45.6		ug/Kg		91	78 - 122	2	20
1,1-Dichloroethane			50.0	48.9		ug/Kg		98	73 - 126	5	20
1,1-Dichloroethene			50.0	48.4		ug/Kg		97	59 - 125	5	20
1,2,4-Trichlorobenzene			50.0	48.1		ug/Kg		96	64 - 120	3	20
1,2-Dibromo-3-Chloropropane			50.0	53.2		ug/Kg		106	63 - 124	1	20
1,2-Dibromoethane			50.0	47.9		ug/Kg		96	78 - 120	1	20
1,2-Dichlorobenzene			50.0	45.9		ug/Kg		92	75 - 120	2	20
1,2-Dichloroethane			50.0	47.0		ug/Kg		94	77 - 122	1	20
1,2-Dichloropropane			50.0	48.7		ug/Kg		97	75 - 124	2	20
1,3-Dichlorobenzene			50.0	46.7		ug/Kg		93	74 - 120	3	20
1,4-Dichlorobenzene			50.0	46.2		ug/Kg		92	73 - 120	2	20
2-Butanone (MEK)			250	240		ug/Kg		96	70 - 134	3	20
2-Hexanone			250	248		ug/Kg		99	59 - 130	0	20
4-Methyl-2-pentanone (MIBK)			250	247		ug/Kg		99	65 - 133	1	20
Acetone			250	230		ug/Kg		92	61 - 137	2	20
Benzene			50.0	48.9		ug/Kg		98	79 - 127	4	20
Bromodichloromethane			50.0	51.1		ug/Kg		102	80 - 122	1	20
Bromoform			50.0	53.4		ug/Kg		107	68 - 126	1	20
Bromomethane			50.0	52.5		ug/Kg		105	37 - 149	1	20
Carbon disulfide			50.0	46.9		ug/Kg		94	64 - 131	6	20
Carbon tetrachloride			50.0	53.1		ug/Kg		106	75 - 135	7	20
Chlorobenzene			50.0	47.1		ug/Kg		94	76 - 124	4	20
Chloroethane			50.0	54.4		ug/Kg		109	69 - 135	4	20
Chloroform			50.0	47.5		ug/Kg		95	80 - 120	3	20
Chloromethane			50.0	51.8		ug/Kg		104	63 - 127	5	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-661501/2-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661501

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			50.0	49.3		ug/Kg		99	81 - 120	1	20
cis-1,3-Dichloropropene			50.0	52.8		ug/Kg		106	80 - 120	2	20
Cyclohexane			50.0	49.5		ug/Kg		99	65 - 120	7	20
Dibromochloromethane			50.0	51.9		ug/Kg		104	76 - 125	1	20
Dichlorodifluoromethane			50.0	58.3		ug/Kg		117	57 - 142	8	20
Ethylbenzene			50.0	48.1		ug/Kg		96	80 - 120	4	20
Isopropylbenzene			50.0	49.2		ug/Kg		98	72 - 120	5	20
Methyl acetate			100	97.0		ug/Kg		97	55 - 136	2	20
Methyl tert-butyl ether			50.0	48.8		ug/Kg		98	63 - 125	0	20
Methylcyclohexane			50.0	51.0		ug/Kg		102	60 - 140	8	20
Methylene Chloride			50.0	55.0		ug/Kg		110	61 - 127	0	20
Styrene			50.0	48.6		ug/Kg		97	80 - 120	2	20
Tetrachloroethene			50.0	55.8		ug/Kg		112	74 - 122	0	20
Toluene			50.0	47.7		ug/Kg		95	74 - 128	3	20
trans-1,2-Dichloroethene			50.0	49.4		ug/Kg		99	78 - 126	4	20
Trichloroethene			50.0	50.0		ug/Kg		100	77 - 129	6	20
Trichlorofluoromethane			50.0	53.8		ug/Kg		108	65 - 146	8	20
Vinyl chloride			50.0	53.8		ug/Kg		108	61 - 133	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*
Dibromofluoromethane (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*99*		*71 - 125*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-661484/1-A
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	24	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
bis (2-chloroisopropyl) ether	ND		170	33	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,4,6-Trichlorophenol	ND		170	33	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,4-Dimethylphenol	ND		170	40	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,4-Dinitrophenol	ND		1600	770	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,4-Dinitrotoluene	ND		170	34	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2-Chloronaphthalene	ND		170	27	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2-Chlorophenol	ND		320	30	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2-Methylphenol	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2-Methylnaphthalene	ND		170	33	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2-Nitroaniline	ND		320	24	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2-Nitrophenol	ND		170	47	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
3,3'-Dichlorobenzidine	ND		320	200	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
3-Nitroaniline	ND		320	46	ug/Kg		03/14/23 15:59	03/15/23 18:24	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-661484/1-A
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND		320	170	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Bromophenyl phenyl ether	ND		170	23	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Chloro-3-methylphenol	ND		170	41	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Chloroaniline	ND		170	41	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Methylphenol	ND		320	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Nitroaniline	ND		320	87	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Nitrophenol	ND		320	120	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Acenaphthene	ND		170	24	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Acenaphthylene	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Acetophenone	ND		170	22	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Anthracene	ND		170	41	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Atrazine	ND		170	58	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Benzaldehyde	ND		170	130	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Benzo[a]anthracene	ND		170	17	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Benzo[a]pyrene	ND		170	24	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Benzo[b]fluoranthene	ND		170	26	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Benzo[k]fluoranthene	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Bis(2-chloroethoxy)methane	ND		170	35	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Bis(2-chloroethyl)ether	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Butyl benzyl phthalate	ND		170	27	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Caprolactam	ND		170	50	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Carbazole	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Chrysene	ND		170	37	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Dibenz(a,h)anthracene	ND		170	29	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Di-n-butyl phthalate	ND		170	28	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Dibenzofuran	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Diethyl phthalate	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Dimethyl phthalate	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Fluoranthene	ND		170	18	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Fluorene	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Hexachlorobenzene	ND		170	22	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Hexachlorobutadiene	ND		170	24	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Hexachlorocyclopentadiene	ND		170	22	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Hexachloroethane	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Isophorone	ND		170	35	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
N-Nitrosodi-n-propylamine	ND		170	28	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
N-Nitrosodiphenylamine	ND		170	130	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Naphthalene	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Nitrobenzene	ND		170	19	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Pentachlorophenol	ND		320	170	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Phenanthrene	ND		170	24	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Phenol	ND		170	25	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Pyrene	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-661484/1-A
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661484

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		53 - 120	03/14/23 15:59	03/15/23 18:24	1
Phenol-d5 (Surr)	82		54 - 120	03/14/23 15:59	03/15/23 18:24	1
p-Terphenyl-d14 (Surr)	90		79 - 130	03/14/23 15:59	03/15/23 18:24	1
2,4,6-Tribromophenol (Surr)	66		54 - 120	03/14/23 15:59	03/15/23 18:24	1
2-Fluorobiphenyl (Surr)	83		60 - 120	03/14/23 15:59	03/15/23 18:24	1
2-Fluorophenol (Surr)	75		52 - 120	03/14/23 15:59	03/15/23 18:24	1

Lab Sample ID: LCS 480-661484/2-A
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	1650	1400		ug/Kg		85	59 - 120
bis (2-chloroisopropyl) ether	1650	1430		ug/Kg		87	44 - 120
2,4,5-Trichlorophenol	1650	1470		ug/Kg		89	59 - 126
2,4,6-Trichlorophenol	1650	1400		ug/Kg		85	59 - 123
2,4-Dichlorophenol	1650	1420		ug/Kg		86	61 - 120
2,4-Dimethylphenol	1650	1470		ug/Kg		89	59 - 120
2,4-Dinitrophenol	3290	2870		ug/Kg		87	41 - 146
2,4-Dinitrotoluene	1650	1540		ug/Kg		93	63 - 120
2,6-Dinitrotoluene	1650	1520		ug/Kg		92	66 - 120
2-Chloronaphthalene	1650	1360		ug/Kg		83	57 - 120
2-Chlorophenol	1650	1300		ug/Kg		79	53 - 120
2-Methylphenol	1650	1360		ug/Kg		83	54 - 120
2-Methylnaphthalene	1650	1480		ug/Kg		90	59 - 120
2-Nitroaniline	1650	1600		ug/Kg		97	61 - 120
2-Nitrophenol	1650	1410		ug/Kg		85	56 - 120
3,3'-Dichlorobenzidine	3290	2740		ug/Kg		83	54 - 120
3-Nitroaniline	1650	1070		ug/Kg		65	48 - 120
4,6-Dinitro-2-methylphenol	3290	3490		ug/Kg		106	49 - 122
4-Bromophenyl phenyl ether	1650	1590		ug/Kg		96	58 - 120
4-Chloro-3-methylphenol	1650	1570		ug/Kg		96	61 - 120
4-Chloroaniline	1650	780		ug/Kg		47	38 - 120
4-Chlorophenyl phenyl ether	1650	1410		ug/Kg		86	63 - 124
4-Methylphenol	1650	1420		ug/Kg		86	55 - 120
4-Nitroaniline	1650	1420		ug/Kg		86	56 - 120
4-Nitrophenol	3290	3060		ug/Kg		93	43 - 147
Acenaphthene	1650	1420		ug/Kg		86	62 - 120
Acenaphthylene	1650	1440		ug/Kg		87	58 - 121
Acetophenone	1650	1340		ug/Kg		82	54 - 120
Anthracene	1650	1560		ug/Kg		95	62 - 120
Atrazine	3290	2990		ug/Kg		91	60 - 127
Benzaldehyde	3290	2490		ug/Kg		76	10 - 150
Benzo[a]anthracene	1650	1410		ug/Kg		86	65 - 120
Benzo[a]pyrene	1650	1670		ug/Kg		102	64 - 120
Benzo[b]fluoranthene	1650	1810		ug/Kg		110	64 - 120
Benzo[g,h,i]perylene	1650	1680		ug/Kg		102	45 - 145
Benzo[k]fluoranthene	1650	1590		ug/Kg		97	65 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-661484/2-A
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	1650	1440		ug/Kg		87	55 - 120
Bis(2-chloroethyl)ether	1650	1290		ug/Kg		78	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1450		ug/Kg		88	61 - 133
Butyl benzyl phthalate	1650	1470		ug/Kg		89	61 - 129
Caprolactam	3290	3220		ug/Kg		98	47 - 120
Carbazole	1650	1640		ug/Kg		99	65 - 120
Chrysene	1650	1410		ug/Kg		85	64 - 120
Dibenz(a,h)anthracene	1650	1640		ug/Kg		100	54 - 132
Di-n-butyl phthalate	1650	1610		ug/Kg		98	58 - 130
Di-n-octyl phthalate	1650	1530		ug/Kg		93	57 - 133
Dibenzofuran	1650	1430		ug/Kg		87	63 - 120
Diethyl phthalate	1650	1550		ug/Kg		94	66 - 120
Dimethyl phthalate	1650	1510		ug/Kg		92	65 - 124
Fluoranthene	1650	1670		ug/Kg		102	62 - 120
Fluorene	1650	1470		ug/Kg		89	63 - 120
Hexachlorobenzene	1650	1530		ug/Kg		93	60 - 120
Hexachlorobutadiene	1650	1240		ug/Kg		75	45 - 120
Hexachlorocyclopentadiene	1650	1160		ug/Kg		70	47 - 120
Hexachloroethane	1650	1070		ug/Kg		65	41 - 120
Indeno[1,2,3-cd]pyrene	1650	1740		ug/Kg		106	56 - 134
Isophorone	1650	1460		ug/Kg		89	56 - 120
N-Nitrosodi-n-propylamine	1650	1400		ug/Kg		85	52 - 120
N-Nitrosodiphenylamine	1650	1590		ug/Kg		97	51 - 128
Naphthalene	1650	1310		ug/Kg		79	55 - 120
Nitrobenzene	1650	1380		ug/Kg		84	54 - 120
Pentachlorophenol	3290	2420		ug/Kg		74	51 - 120
Phenanthrene	1650	1590		ug/Kg		97	60 - 120
Phenol	1650	1390		ug/Kg		85	53 - 120
Pyrene	1650	1450		ug/Kg		88	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*77*		*53 - 120*
Phenol-d5 (Surr)	*80*		*54 - 120*
p-Terphenyl-d14 (Surr)	*83*		*79 - 130*
2,4,6-Tribromophenol (Surr)	*86*		*54 - 120*
2-Fluorobiphenyl (Surr)	*78*		*60 - 120*
2-Fluorophenol (Surr)	*72*		*52 - 120*

Lab Sample ID: 480-206849-1 MS
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: SB-03-SS
Prep Type: Total/NA
Prep Batch: 661484

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	ND		1900	ND		ug/Kg	☼	NC	58 - 120
bis (2-chloroisopropyl) ether	ND		1900	ND		ug/Kg	☼	NC	31 - 120
2,4,5-Trichlorophenol	ND		1900	ND		ug/Kg	☼	NC	46 - 120
2,4,6-Trichlorophenol	ND		1900	ND		ug/Kg	☼	NC	41 - 123
2,4-Dichlorophenol	ND		1900	2760	J	ug/Kg	☼	NC	45 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-206849-1 MS
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: SB-03-SS
Prep Type: Total/NA
Prep Batch: 661484

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	ND		1900	ND		ug/Kg	☼	NC	52 - 120
2,4-Dinitrophenol	ND		3800	ND		ug/Kg	☼	NC	41 - 146
2,4-Dinitrotoluene	ND		1900	4510	J	ug/Kg	☼	NC	63 - 125
2,6-Dinitrotoluene	ND		1900	3150	J	ug/Kg	☼	NC	66 - 120
2-Chloronaphthalene	ND		1900	ND		ug/Kg	☼	NC	57 - 120
2-Chlorophenol	ND		1900	ND		ug/Kg	☼	NC	43 - 120
2-Methylphenol	ND		1900	ND		ug/Kg	☼	NC	48 - 120
2-Methylnaphthalene	ND		1900	ND		ug/Kg	☼	NC	55 - 120
2-Nitroaniline	ND		1900	3420	J	ug/Kg	☼	NC	61 - 120
2-Nitrophenol	ND		1900	ND		ug/Kg	☼	NC	37 - 120
3,3'-Dichlorobenzidine	ND		3800	ND		ug/Kg	☼	NC	37 - 126
3-Nitroaniline	ND		1900	ND		ug/Kg	☼	NC	48 - 120
4,6-Dinitro-2-methylphenol	ND		3800	ND		ug/Kg	☼	NC	23 - 149
4-Bromophenyl phenyl ether	ND		1900	ND		ug/Kg	☼	NC	58 - 120
4-Chloro-3-methylphenol	ND		1900	ND		ug/Kg	☼	NC	49 - 125
4-Chloroaniline	ND		1900	ND		ug/Kg	☼	NC	38 - 120
4-Chlorophenyl phenyl ether	ND		1900	ND		ug/Kg	☼	NC	63 - 124
4-Methylphenol	ND		1900	ND		ug/Kg	☼	NC	50 - 120
4-Nitroaniline	ND		1900	ND		ug/Kg	☼	NC	47 - 120
4-Nitrophenol	ND		3800	ND		ug/Kg	☼	NC	31 - 147
Acenaphthene	ND		1900	ND		ug/Kg	☼	NC	60 - 120
Acenaphthylene	ND		1900	ND		ug/Kg	☼	NC	58 - 121
Acetophenone	ND		1900	ND		ug/Kg	☼	NC	47 - 120
Anthracene	ND		1900	ND		ug/Kg	☼	NC	62 - 120
Atrazine	ND		3800	ND		ug/Kg	☼	NC	60 - 150
Benzaldehyde	ND		3800	ND		ug/Kg	☼	NC	10 - 150
Benzo[a]anthracene	ND		1900	4150	J	ug/Kg	☼	NC	65 - 120
Benzo[a]pyrene	ND		1900	4730	J	ug/Kg	☼	NC	64 - 120
Benzo[b]fluoranthene	ND		1900	5440	J	ug/Kg	☼	NC	10 - 150
Benzo[g,h,i]perylene	ND		1900	3920	J	ug/Kg	☼	NC	45 - 145
Benzo[k]fluoranthene	ND		1900	3830	J	ug/Kg	☼	NC	23 - 150
Bis(2-chloroethoxy)methane	ND		1900	ND		ug/Kg	☼	NC	52 - 120
Bis(2-chloroethyl)ether	ND		1900	ND		ug/Kg	☼	NC	45 - 120
Bis(2-ethylhexyl) phthalate	ND		1900	ND		ug/Kg	☼	NC	61 - 133
Butyl benzyl phthalate	ND		1900	ND		ug/Kg	☼	NC	61 - 120
Caprolactam	ND		3800	ND		ug/Kg	☼	NC	37 - 133
Carbazole	ND		1900	ND		ug/Kg	☼	NC	59 - 120
Chrysene	ND		1900	ND		ug/Kg	☼	NC	64 - 120
Dibenz(a,h)anthracene	ND		1900	ND		ug/Kg	☼	NC	54 - 132
Di-n-butyl phthalate	ND		1900	ND		ug/Kg	☼	NC	58 - 130
Di-n-octyl phthalate	ND		1900	3420	J	ug/Kg	☼	NC	57 - 133
Dibenzofuran	ND		1900	ND		ug/Kg	☼	NC	62 - 120
Diethyl phthalate	ND		1900	ND		ug/Kg	☼	NC	66 - 120
Dimethyl phthalate	ND		1900	ND		ug/Kg	☼	NC	65 - 124
Fluoranthene	ND	F2	1900	6460	J	ug/Kg	☼	NC	62 - 120
Fluorene	ND		1900	ND		ug/Kg	☼	NC	63 - 120
Hexachlorobenzene	ND		1900	ND		ug/Kg	☼	NC	60 - 120
Hexachlorobutadiene	ND		1900	ND		ug/Kg	☼	NC	45 - 120
Hexachlorocyclopentadiene	ND		1900	ND		ug/Kg	☼	NC	31 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-206849-1 MS
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: SB-03-SS
Prep Type: Total/NA
Prep Batch: 661484

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachloroethane	ND		1900	ND		ug/Kg	☼	NC	21 - 120
Indeno[1,2,3-cd]pyrene	ND		1900	3820	J	ug/Kg	☼	NC	56 - 134
Isophorone	ND		1900	ND		ug/Kg	☼	NC	56 - 120
N-Nitrosodi-n-propylamine	ND		1900	ND		ug/Kg	☼	NC	46 - 120
N-Nitrosodiphenylamine	ND		1900	ND		ug/Kg	☼	NC	20 - 128
Naphthalene	ND		1900	ND		ug/Kg	☼	NC	46 - 120
Nitrobenzene	ND		1900	ND		ug/Kg	☼	NC	49 - 120
Pentachlorophenol	ND		3800	ND		ug/Kg	☼	NC	25 - 136
Phenanthrene	ND	F2	1900	4140	J	ug/Kg	☼	NC	60 - 122
Phenol	ND		1900	ND		ug/Kg	☼	NC	50 - 120
Pyrene	ND		1900	5330	J	ug/Kg	☼	NC	61 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*82*		*53 - 120*
Phenol-d5 (Surr)	*80*		*54 - 120*
p-Terphenyl-d14 (Surr)	*93*		*79 - 130*
2,4,6-Tribromophenol (Surr)	*238*	*S1+*	*54 - 120*
2-Fluorobiphenyl (Surr)	*88*		*60 - 120*
2-Fluorophenol (Surr)	*73*		*52 - 120*

Lab Sample ID: 480-206849-1 MSD
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: SB-03-SS
Prep Type: Total/NA
Prep Batch: 661484

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Biphenyl	ND		1890	ND		ug/Kg	☼	NC	58 - 120	NC	20
bis (2-chloroisopropyl) ether	ND		1890	ND		ug/Kg	☼	NC	31 - 120	NC	24
2,4,5-Trichlorophenol	ND		1890	ND		ug/Kg	☼	NC	46 - 120	NC	18
2,4,6-Trichlorophenol	ND		1890	ND		ug/Kg	☼	NC	41 - 123	NC	19
2,4-Dichlorophenol	ND		1890	2490	J	ug/Kg	☼	NC	45 - 120	10	19
2,4-Dimethylphenol	ND		1890	ND		ug/Kg	☼	NC	52 - 120	NC	42
2,4-Dinitrophenol	ND		3780	ND		ug/Kg	☼	NC	41 - 146	NC	22
2,4-Dinitrotoluene	ND		1890	4400	J	ug/Kg	☼	NC	63 - 125	3	20
2,6-Dinitrotoluene	ND		1890	2930	J	ug/Kg	☼	NC	66 - 120	7	15
2-Chloronaphthalene	ND		1890	ND		ug/Kg	☼	NC	57 - 120	NC	21
2-Chlorophenol	ND		1890	ND		ug/Kg	☼	NC	43 - 120	NC	25
2-Methylphenol	ND		1890	ND		ug/Kg	☼	NC	48 - 120	NC	27
2-Methylnaphthalene	ND		1890	ND		ug/Kg	☼	NC	55 - 120	NC	21
2-Nitroaniline	ND		1890	3550	J	ug/Kg	☼	NC	61 - 120	4	15
2-Nitrophenol	ND		1890	ND		ug/Kg	☼	NC	37 - 120	NC	18
3,3'-Dichlorobenzidine	ND		3780	ND		ug/Kg	☼	NC	37 - 126	NC	25
3-Nitroaniline	ND		1890	ND		ug/Kg	☼	NC	48 - 120	NC	19
4,6-Dinitro-2-methylphenol	ND		3780	ND		ug/Kg	☼	NC	23 - 149	NC	15
4-Bromophenyl phenyl ether	ND		1890	ND		ug/Kg	☼	NC	58 - 120	NC	15
4-Chloro-3-methylphenol	ND		1890	ND		ug/Kg	☼	NC	49 - 125	NC	27
4-Chloroaniline	ND		1890	ND		ug/Kg	☼	NC	38 - 120	NC	22
4-Chlorophenyl phenyl ether	ND		1890	ND		ug/Kg	☼	NC	63 - 124	NC	16
4-Methylphenol	ND		1890	ND		ug/Kg	☼	NC	50 - 120	NC	24

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-206849-1 MSD
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: SB-03-SS
Prep Type: Total/NA
Prep Batch: 661484

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline	ND		1890	ND		ug/Kg	☼	NC	47 - 120	NC	24
4-Nitrophenol	ND		3780	ND		ug/Kg	☼	NC	31 - 147	NC	25
Acenaphthene	ND		1890	ND		ug/Kg	☼	NC	60 - 120	NC	35
Acenaphthylene	ND		1890	ND		ug/Kg	☼	NC	58 - 121	NC	18
Acetophenone	ND		1890	ND		ug/Kg	☼	NC	47 - 120	NC	20
Anthracene	ND		1890	ND		ug/Kg	☼	NC	62 - 120	NC	15
Atrazine	ND		3780	ND		ug/Kg	☼	NC	60 - 150	NC	20
Benzaldehyde	ND		3780	ND		ug/Kg	☼	NC	10 - 150	NC	20
Benzo[a]anthracene	ND		1890	3840	J	ug/Kg	☼	NC	65 - 120	8	15
Benzo[a]pyrene	ND		1890	4110	J	ug/Kg	☼	NC	64 - 120	14	15
Benzo[b]fluoranthene	ND		1890	4860	J	ug/Kg	☼	NC	10 - 150	11	15
Benzo[g,h,i]perylene	ND		1890	3840	J	ug/Kg	☼	NC	45 - 145	2	15
Benzo[k]fluoranthene	ND		1890	3540	J	ug/Kg	☼	NC	23 - 150	8	22
Bis(2-chloroethoxy)methane	ND		1890	ND		ug/Kg	☼	NC	52 - 120	NC	17
Bis(2-chloroethyl)ether	ND		1890	ND		ug/Kg	☼	NC	45 - 120	NC	21
Bis(2-ethylhexyl) phthalate	ND		1890	ND		ug/Kg	☼	NC	61 - 133	NC	15
Butyl benzyl phthalate	ND		1890	ND		ug/Kg	☼	NC	61 - 120	NC	16
Caprolactam	ND		3780	ND		ug/Kg	☼	NC	37 - 133	NC	20
Carbazole	ND		1890	ND		ug/Kg	☼	NC	59 - 120	NC	20
Chrysene	ND		1890	ND		ug/Kg	☼	NC	64 - 120	NC	15
Dibenz(a,h)anthracene	ND		1890	ND		ug/Kg	☼	NC	54 - 132	NC	15
Di-n-butyl phthalate	ND		1890	ND		ug/Kg	☼	NC	58 - 130	NC	15
Di-n-octyl phthalate	ND		1890	3490	J	ug/Kg	☼	NC	57 - 133	2	16
Dibenzofuran	ND		1890	ND		ug/Kg	☼	NC	62 - 120	NC	15
Diethyl phthalate	ND		1890	ND		ug/Kg	☼	NC	66 - 120	NC	15
Dimethyl phthalate	ND		1890	ND		ug/Kg	☼	NC	65 - 124	NC	15
Fluoranthene	ND	F2	1890	5300	J F2	ug/Kg	☼	NC	62 - 120	20	15
Fluorene	ND		1890	ND		ug/Kg	☼	NC	63 - 120	NC	15
Hexachlorobenzene	ND		1890	ND		ug/Kg	☼	NC	60 - 120	NC	15
Hexachlorobutadiene	ND		1890	ND		ug/Kg	☼	NC	45 - 120	NC	44
Hexachlorocyclopentadiene	ND		1890	ND		ug/Kg	☼	NC	31 - 120	NC	49
Hexachloroethane	ND		1890	ND		ug/Kg	☼	NC	21 - 120	NC	46
Indeno[1,2,3-cd]pyrene	ND		1890	3440	J	ug/Kg	☼	NC	56 - 134	10	15
Isophorone	ND		1890	ND		ug/Kg	☼	NC	56 - 120	NC	17
N-Nitrosodi-n-propylamine	ND		1890	ND		ug/Kg	☼	NC	46 - 120	NC	31
N-Nitrosodiphenylamine	ND		1890	ND		ug/Kg	☼	NC	20 - 128	NC	15
Naphthalene	ND		1890	ND		ug/Kg	☼	NC	46 - 120	NC	29
Nitrobenzene	ND		1890	ND		ug/Kg	☼	NC	49 - 120	NC	24
Pentachlorophenol	ND		3780	ND		ug/Kg	☼	NC	25 - 136	NC	35
Phenanthrene	ND	F2	1890	3520	J F2	ug/Kg	☼	NC	60 - 122	16	15
Phenol	ND		1890	ND		ug/Kg	☼	NC	50 - 120	NC	35
Pyrene	ND		1890	4330	J	ug/Kg	☼	NC	61 - 133	21	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*80*		*53 - 120*
Phenol-d5 (Surr)	*83*		*54 - 120*
p-Terphenyl-d14 (Surr)	*98*		*79 - 130*
2,4,6-Tribromophenol (Surr)	*227*	*S1+*	*54 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-206849-1 MSD
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: SB-03-SS
Prep Type: Total/NA
Prep Batch: 661484

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	83		60 - 120
2-Fluorophenol (Surr)	73		52 - 120

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-661381/1-A
Matrix: Solid
Analysis Batch: 661668

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661381

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.039	mg/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1221	ND		0.20	0.039	mg/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1232	ND		0.20	0.039	mg/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1242	ND		0.20	0.039	mg/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1248	ND		0.20	0.039	mg/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1254	ND		0.20	0.094	mg/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1260	ND		0.20	0.094	mg/Kg		03/14/23 09:14	03/16/23 15:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	145		60 - 154	03/14/23 09:14	03/16/23 15:40	1
Tetrachloro-m-xylene	148		60 - 154	03/14/23 09:14	03/16/23 15:40	1
DCB Decachlorobiphenyl	154		65 - 174	03/14/23 09:14	03/16/23 15:40	1
DCB Decachlorobiphenyl	149		65 - 174	03/14/23 09:14	03/16/23 15:40	1

Lab Sample ID: LCS 480-661381/2-A
Matrix: Solid
Analysis Batch: 661668

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661381

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	2.00	3.21		mg/Kg		160	51 - 185
PCB-1260	2.00	2.80		mg/Kg		140	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	140		60 - 154
Tetrachloro-m-xylene	142		60 - 154
DCB Decachlorobiphenyl	144		65 - 174
DCB Decachlorobiphenyl	139		65 - 174

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-661318/1-A
Matrix: Solid
Analysis Batch: 661551

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.7	4.3	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Antimony	ND		14.6	0.39	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Arsenic	ND		1.9	0.39	mg/Kg		03/13/23 13:11	03/14/23 14:30	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-661318/1-A
Matrix: Solid
Analysis Batch: 661551

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.49	0.11	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Beryllium	ND		0.19	0.027	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Cadmium	ND		0.19	0.029	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Calcium	ND		48.6	3.2	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Chromium	ND		0.49	0.19	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Cobalt	ND		0.49	0.049	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Copper	ND		0.97	0.20	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Iron	ND		9.7	3.4	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Lead	ND		0.97	0.23	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Magnesium	ND		19.4	0.90	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Manganese	ND		0.19	0.031	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Nickel	ND		4.9	0.22	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Selenium	ND		3.9	0.39	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Silver	ND		0.58	0.19	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Sodium	ND		136	12.6	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Thallium	ND		5.8	0.29	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Vanadium	ND		0.49	0.11	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Zinc	ND		1.9	0.62	mg/Kg		03/13/23 13:11	03/14/23 14:30	1

Lab Sample ID: MB 480-661318/1-A
Matrix: Solid
Analysis Batch: 661726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	ND		29.2	19.4	mg/Kg		03/13/23 13:11	03/15/23 12:19	1

Lab Sample ID: LCDSRM 480-661318/3-A
Matrix: Solid
Analysis Batch: 661551

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661318

Analyte			Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum			10100	9955		mg/Kg		98.6	37.5 - 114.9	2	20
Antimony			234	84.31		mg/Kg		36.0	10.0 - 120.1	0	20
Arsenic			129	103.7		mg/Kg		80.4	60.9 - 113.2	4	20
Barium			169	157.3		mg/Kg		93.1	68.6 - 114.2	3	20
Beryllium			137	107.7		mg/Kg		78.6	66.3 - 110.2	5	20
Cadmium			227	172.5		mg/Kg		76.0	64.8 - 110.1	4	20
Calcium			5190	4321		mg/Kg		83.3	64.0 - 112.9	3	20
Chromium			115	93.60		mg/Kg		81.4	62.4 - 115.7	5	20
Cobalt			50.0	47.81		mg/Kg		95.6	69.6 - 115.8	3	20
Copper			76.0	63.27		mg/Kg		83.3	69.5 - 115.8	5	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-661318/3-A
Matrix: Solid
Analysis Batch: 661551

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661318

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	15000	16410		mg/Kg		109.4	29.9 - 149.3	1	20
Lead	74.8	82.74		mg/Kg		110.6	67.0 - 128.9	2	20
Magnesium	2570	2232		mg/Kg		86.9	53.7 - 121.0	3	20
Manganese	400	348.1		mg/Kg		87.0	70.5 - 115.8	4	20
Nickel	282	255.6		mg/Kg		90.6	62.1 - 114.9	4	20
Selenium	246	187.6		mg/Kg		76.2	60.2 - 114.6	5	20
Silver	87.5	72.22		mg/Kg		82.5	63.7 - 115.4	4	20
Sodium	161	164.9		mg/Kg		102.4	28.6 - 136.0	3	20
Thallium	77.4	77.07		mg/Kg		99.6	55.0 - 120.0	3	20
Vanadium	201	171.0		mg/Kg		85.1	64.7 - 111.4	5	20
Zinc	401	311.4		mg/Kg		77.7	62.8 - 116.7	4	20

Lab Sample ID: LCDSRM 480-661318/3-A
Matrix: Solid
Analysis Batch: 661726

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661318

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium	2420	2075		mg/Kg		85.7	46.7 - 113.2	2	20

Lab Sample ID: LCSSRM 480-661318/2-A
Matrix: Solid
Analysis Batch: 661551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661318

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10100	10110		mg/Kg		100.1	37.5 - 114.9
Antimony	234	84.38		mg/Kg		36.1	10.0 - 120.1
Arsenic	129	108.0		mg/Kg		83.7	60.9 - 113.2
Barium	169	153.0		mg/Kg		90.5	68.6 - 114.2
Beryllium	137	113.4		mg/Kg		82.8	66.3 - 110.2
Cadmium	227	180.2		mg/Kg		79.4	64.8 - 110.1
Calcium	5190	4466		mg/Kg		86.1	64.0 - 112.9
Chromium	115	97.95		mg/Kg		85.2	62.4 - 115.7
Cobalt	50.0	49.45		mg/Kg		98.9	69.6 - 115.8

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-661318/2-A
Matrix: Solid
Analysis Batch: 661551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661318

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Copper	76.0	66.44		mg/Kg		87.4	69.5 - 115.8
Iron	15000	16210		mg/Kg		108.1	29.9 - 149.3
Lead	74.8	84.56		mg/Kg		113.1	67.0 - 128.9
Magnesium	2570	2297		mg/Kg		89.4	53.7 - 121.0
Manganese	400	362.6		mg/Kg		90.7	70.5 - 115.8
Nickel	282	265.4		mg/Kg		94.1	62.1 - 114.9
Selenium	246	197.2		mg/Kg		80.2	60.2 - 114.6
Silver	87.5	75.36		mg/Kg		86.1	63.7 - 115.4
Sodium	161	159.7		mg/Kg		99.2	28.6 - 136.0
Thallium	77.4	79.26		mg/Kg		102.4	55.0 - 120.0
Vanadium	201	179.2		mg/Kg		89.1	64.7 - 111.4
Zinc	401	324.1		mg/Kg		80.8	62.8 - 116.7

Lab Sample ID: LCSSRM 480-661318/2-A
Matrix: Solid
Analysis Batch: 661726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661318

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	2420	2042		mg/Kg		84.4	46.7 - 113.2

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-661635/1-A
Matrix: Solid
Analysis Batch: 661771

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0046	mg/Kg		03/16/23 09:43	03/16/23 12:49	1

Lab Sample ID: LCSSRM 480-661635/2-A ^10
Matrix: Solid
Analysis Batch: 661771

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661635

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20.7	12.40		mg/Kg		59.9	38.3 - 110.1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 480-206849-1 MS
Matrix: Solid
Analysis Batch: 661771

Client Sample ID: SB-03-SS
Prep Type: Total/NA
Prep Batch: 661635

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.075		0.389	0.412		mg/Kg	☼	87	80 - 120

Lab Sample ID: 480-206849-1 MSD
Matrix: Solid
Analysis Batch: 661771

Client Sample ID: SB-03-SS
Prep Type: Total/NA
Prep Batch: 661635

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.075		0.389	0.425		mg/Kg	☼	90	80 - 120	3	20

GC/MS VOA

Prep Batch: 661501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-2	SB-03 4-4.5`	Total/NA	Solid	5035A_L	
480-206849-4	SB-05-3.5-4`	Total/NA	Solid	5035A_L	
480-206849-6	SB-07-3-3.5`	Total/NA	Solid	5035A_L	
480-206849-8	SB-09-3-3.5`	Total/NA	Solid	5035A_L	
MB 480-661501/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-661501/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
LCSD 480-661501/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A_L	

Analysis Batch: 661502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-2	SB-03 4-4.5`	Total/NA	Solid	8260C	661501
480-206849-4	SB-05-3.5-4`	Total/NA	Solid	8260C	661501
480-206849-6	SB-07-3-3.5`	Total/NA	Solid	8260C	661501
480-206849-8	SB-09-3-3.5`	Total/NA	Solid	8260C	661501
MB 480-661501/3-A	Method Blank	Total/NA	Solid	8260C	661501
LCS 480-661501/1-A	Lab Control Sample	Total/NA	Solid	8260C	661501
LCSD 480-661501/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	661501

GC/MS Semi VOA

Prep Batch: 661484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-1	SB-03-SS	Total/NA	Solid	3550C	
480-206849-2	SB-03 4-4.5`	Total/NA	Solid	3550C	
480-206849-3	SB-05-SS	Total/NA	Solid	3550C	
480-206849-4	SB-05-3.5-4`	Total/NA	Solid	3550C	
480-206849-5	SB-07-SS	Total/NA	Solid	3550C	
480-206849-6	SB-07-3-3.5`	Total/NA	Solid	3550C	
480-206849-7	SB-09-SS	Total/NA	Solid	3550C	
480-206849-8	SB-09-3-3.5`	Total/NA	Solid	3550C	
MB 480-661484/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-661484/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-206849-1 MS	SB-03-SS	Total/NA	Solid	3550C	
480-206849-1 MSD	SB-03-SS	Total/NA	Solid	3550C	

Analysis Batch: 661565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-1	SB-03-SS	Total/NA	Solid	8270D	661484
480-206849-2	SB-03 4-4.5`	Total/NA	Solid	8270D	661484
480-206849-3	SB-05-SS	Total/NA	Solid	8270D	661484
480-206849-4	SB-05-3.5-4`	Total/NA	Solid	8270D	661484
480-206849-5	SB-07-SS	Total/NA	Solid	8270D	661484
480-206849-6	SB-07-3-3.5`	Total/NA	Solid	8270D	661484
480-206849-7	SB-09-SS	Total/NA	Solid	8270D	661484
MB 480-661484/1-A	Method Blank	Total/NA	Solid	8270D	661484
LCS 480-661484/2-A	Lab Control Sample	Total/NA	Solid	8270D	661484
480-206849-1 MS	SB-03-SS	Total/NA	Solid	8270D	661484
480-206849-1 MSD	SB-03-SS	Total/NA	Solid	8270D	661484

GC/MS Semi VOA

Analysis Batch: 661710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-8	SB-09-3-3.5`	Total/NA	Solid	8270D	661484

GC Semi VOA

Prep Batch: 661381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-1	SB-03-SS	Total/NA	Solid	3550C	
480-206849-2	SB-03 4-4.5`	Total/NA	Solid	3550C	
480-206849-3	SB-05-SS	Total/NA	Solid	3550C	
480-206849-4	SB-05-3.5-4`	Total/NA	Solid	3550C	
480-206849-5	SB-07-SS	Total/NA	Solid	3550C	
480-206849-6	SB-07-3-3.5`	Total/NA	Solid	3550C	
480-206849-7	SB-09-SS	Total/NA	Solid	3550C	
480-206849-8	SB-09-3-3.5`	Total/NA	Solid	3550C	
MB 480-661381/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-661381/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 661668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-661381/1-A	Method Blank	Total/NA	Solid	8082A	661381
LCS 480-661381/2-A	Lab Control Sample	Total/NA	Solid	8082A	661381

Analysis Batch: 661827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-1	SB-03-SS	Total/NA	Solid	8082A	661381
480-206849-2	SB-03 4-4.5`	Total/NA	Solid	8082A	661381
480-206849-3	SB-05-SS	Total/NA	Solid	8082A	661381
480-206849-4	SB-05-3.5-4`	Total/NA	Solid	8082A	661381
480-206849-5	SB-07-SS	Total/NA	Solid	8082A	661381
480-206849-6	SB-07-3-3.5`	Total/NA	Solid	8082A	661381
480-206849-7	SB-09-SS	Total/NA	Solid	8082A	661381

Analysis Batch: 661995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-8	SB-09-3-3.5`	Total/NA	Solid	8082A	661381

Metals

Prep Batch: 661318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-1	SB-03-SS	Total/NA	Solid	3050B	
480-206849-2	SB-03 4-4.5`	Total/NA	Solid	3050B	
480-206849-3	SB-05-SS	Total/NA	Solid	3050B	
480-206849-4	SB-05-3.5-4`	Total/NA	Solid	3050B	
480-206849-5	SB-07-SS	Total/NA	Solid	3050B	
480-206849-6	SB-07-3-3.5`	Total/NA	Solid	3050B	
480-206849-7	SB-09-SS	Total/NA	Solid	3050B	
480-206849-8	SB-09-3-3.5`	Total/NA	Solid	3050B	
MB 480-661318/1-A	Method Blank	Total/NA	Solid	3050B	
LCDSRM 480-661318/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-661318/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals

Analysis Batch: 661551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-1	SB-03-SS	Total/NA	Solid	6010C	661318
480-206849-2	SB-03 4-4.5`	Total/NA	Solid	6010C	661318
480-206849-3	SB-05-SS	Total/NA	Solid	6010C	661318
480-206849-4	SB-05-3.5-4`	Total/NA	Solid	6010C	661318
480-206849-5	SB-07-SS	Total/NA	Solid	6010C	661318
480-206849-6	SB-07-3-3.5`	Total/NA	Solid	6010C	661318
480-206849-7	SB-09-SS	Total/NA	Solid	6010C	661318
480-206849-8	SB-09-3-3.5`	Total/NA	Solid	6010C	661318
MB 480-661318/1-A	Method Blank	Total/NA	Solid	6010C	661318
LCDSRM 480-661318/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	661318
LCSSRM 480-661318/2-A	Lab Control Sample	Total/NA	Solid	6010C	661318

Prep Batch: 661635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-1	SB-03-SS	Total/NA	Solid	7471B	
480-206849-2	SB-03 4-4.5`	Total/NA	Solid	7471B	
480-206849-3	SB-05-SS	Total/NA	Solid	7471B	
480-206849-4	SB-05-3.5-4`	Total/NA	Solid	7471B	
480-206849-5	SB-07-SS	Total/NA	Solid	7471B	
480-206849-6	SB-07-3-3.5`	Total/NA	Solid	7471B	
480-206849-7	SB-09-SS	Total/NA	Solid	7471B	
480-206849-8	SB-09-3-3.5`	Total/NA	Solid	7471B	
MB 480-661635/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-661635/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	
480-206849-1 MS	SB-03-SS	Total/NA	Solid	7471B	
480-206849-1 MSD	SB-03-SS	Total/NA	Solid	7471B	

Analysis Batch: 661726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-1	SB-03-SS	Total/NA	Solid	6010C	661318
480-206849-2	SB-03 4-4.5`	Total/NA	Solid	6010C	661318
480-206849-3	SB-05-SS	Total/NA	Solid	6010C	661318
480-206849-4	SB-05-3.5-4`	Total/NA	Solid	6010C	661318
480-206849-5	SB-07-SS	Total/NA	Solid	6010C	661318
480-206849-6	SB-07-3-3.5`	Total/NA	Solid	6010C	661318
480-206849-7	SB-09-SS	Total/NA	Solid	6010C	661318
480-206849-8	SB-09-3-3.5`	Total/NA	Solid	6010C	661318
MB 480-661318/1-A	Method Blank	Total/NA	Solid	6010C	661318
LCDSRM 480-661318/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	661318
LCSSRM 480-661318/2-A	Lab Control Sample	Total/NA	Solid	6010C	661318

Analysis Batch: 661771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-1	SB-03-SS	Total/NA	Solid	7471B	661635
480-206849-2	SB-03 4-4.5`	Total/NA	Solid	7471B	661635
480-206849-3	SB-05-SS	Total/NA	Solid	7471B	661635
480-206849-4	SB-05-3.5-4`	Total/NA	Solid	7471B	661635
480-206849-5	SB-07-SS	Total/NA	Solid	7471B	661635
480-206849-6	SB-07-3-3.5`	Total/NA	Solid	7471B	661635
480-206849-7	SB-09-SS	Total/NA	Solid	7471B	661635
480-206849-8	SB-09-3-3.5`	Total/NA	Solid	7471B	661635

Metals (Continued)

Analysis Batch: 661771 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-661635/1-A	Method Blank	Total/NA	Solid	7471B	661635
LCSSRM 480-661635/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	661635
480-206849-1 MS	SB-03-SS	Total/NA	Solid	7471B	661635
480-206849-1 MSD	SB-03-SS	Total/NA	Solid	7471B	661635

General Chemistry

Analysis Batch: 661200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206849-1	SB-03-SS	Total/NA	Solid	Moisture	
480-206849-2	SB-03 4-4.5`	Total/NA	Solid	Moisture	
480-206849-3	SB-05-SS	Total/NA	Solid	Moisture	
480-206849-4	SB-05-3.5-4`	Total/NA	Solid	Moisture	
480-206849-5	SB-07-SS	Total/NA	Solid	Moisture	
480-206849-6	SB-07-3-3.5`	Total/NA	Solid	Moisture	
480-206849-7	SB-09-SS	Total/NA	Solid	Moisture	
480-206849-8	SB-09-3-3.5`	Total/NA	Solid	Moisture	
480-206849-8 DU	SB-09-3-3.5`	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-03-SS

Lab Sample ID: 480-206849-1

Date Collected: 03/09/23 07:58

Matrix: Solid

Date Received: 03/09/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661200	KER	EET BUF	03/10/23 16:07

Client Sample ID: SB-03-SS

Lab Sample ID: 480-206849-1

Date Collected: 03/09/23 07:58

Matrix: Solid

Date Received: 03/09/23 16:43

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		10	661565	JMM	EET BUF	03/15/23 20:01
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661827	W1T	EET BUF	03/17/23 11:00
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661551	LMH	EET BUF	03/14/23 15:17
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661726	LMH	EET BUF	03/15/23 13:06
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 12:52

Client Sample ID: SB-03 4-4.5`

Lab Sample ID: 480-206849-2

Date Collected: 03/09/23 08:17

Matrix: Solid

Date Received: 03/09/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661200	KER	EET BUF	03/10/23 16:07

Client Sample ID: SB-03 4-4.5`

Lab Sample ID: 480-206849-2

Date Collected: 03/09/23 08:17

Matrix: Solid

Date Received: 03/09/23 16:43

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			661501	CDC	EET BUF	03/10/23 14:45
Total/NA	Analysis	8260C		1	661502	CDC	EET BUF	03/14/23 23:27
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		10	661565	JMM	EET BUF	03/15/23 20:26
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661827	W1T	EET BUF	03/17/23 11:13
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661551	LMH	EET BUF	03/14/23 15:21
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661726	LMH	EET BUF	03/15/23 13:10
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 12:57

Client Sample ID: SB-05-SS

Lab Sample ID: 480-206849-3

Date Collected: 03/09/23 10:30

Matrix: Solid

Date Received: 03/09/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661200	KER	EET BUF	03/10/23 16:07

Client Sample ID: SB-05-SS

Lab Sample ID: 480-206849-3

Date Collected: 03/09/23 10:30

Matrix: Solid

Date Received: 03/09/23 16:43

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		5	661565	JMM	EET BUF	03/15/23 20:51
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661827	W1T	EET BUF	03/17/23 11:26
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661551	LMH	EET BUF	03/14/23 15:25
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661726	LMH	EET BUF	03/15/23 13:25
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 12:58

Client Sample ID: SB-05-3.5-4`

Lab Sample ID: 480-206849-4

Date Collected: 03/09/23 10:39

Matrix: Solid

Date Received: 03/09/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661200	KER	EET BUF	03/10/23 16:07

Client Sample ID: SB-05-3.5-4`

Lab Sample ID: 480-206849-4

Date Collected: 03/09/23 10:39

Matrix: Solid

Date Received: 03/09/23 16:43

Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			661501	CDC	EET BUF	03/10/23 14:45
Total/NA	Analysis	8260C		1	661502	CDC	EET BUF	03/14/23 23:51
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		10	661565	JMM	EET BUF	03/15/23 21:15
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661827	W1T	EET BUF	03/17/23 11:40
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661551	LMH	EET BUF	03/14/23 15:29
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661726	LMH	EET BUF	03/15/23 13:29
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 12:59

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-07-SS

Lab Sample ID: 480-206849-5

Date Collected: 03/09/23 12:53

Matrix: Solid

Date Received: 03/09/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661200	KER	EET BUF	03/10/23 16:07

Client Sample ID: SB-07-SS

Lab Sample ID: 480-206849-5

Date Collected: 03/09/23 12:53

Matrix: Solid

Date Received: 03/09/23 16:43

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		5	661565	JMM	EET BUF	03/15/23 21:39
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661827	W1T	EET BUF	03/17/23 11:53
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661551	LMH	EET BUF	03/14/23 15:33
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661726	LMH	EET BUF	03/15/23 13:33
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 13:01

Client Sample ID: SB-07-3-3.5`

Lab Sample ID: 480-206849-6

Date Collected: 03/09/23 12:56

Matrix: Solid

Date Received: 03/09/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661200	KER	EET BUF	03/10/23 16:07

Client Sample ID: SB-07-3-3.5`

Lab Sample ID: 480-206849-6

Date Collected: 03/09/23 12:56

Matrix: Solid

Date Received: 03/09/23 16:43

Percent Solids: 70.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			661501	CDC	EET BUF	03/10/23 14:45
Total/NA	Analysis	8260C		1	661502	CDC	EET BUF	03/15/23 00:16
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		10	661565	JMM	EET BUF	03/15/23 22:04
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661827	W1T	EET BUF	03/17/23 12:06
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661551	LMH	EET BUF	03/14/23 15:37
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661726	LMH	EET BUF	03/15/23 13:37
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 13:05

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Client Sample ID: SB-09-SS

Lab Sample ID: 480-206849-7

Date Collected: 03/09/23 14:31
Matrix: Solid
Date Received: 03/09/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661200	KER	EET BUF	03/10/23 16:07

Client Sample ID: SB-09-SS

Lab Sample ID: 480-206849-7

Date Collected: 03/09/23 14:31
Matrix: Solid
Date Received: 03/09/23 16:43
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		5	661565	JMM	EET BUF	03/15/23 22:28
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661827	W1T	EET BUF	03/17/23 12:20
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661551	LMH	EET BUF	03/14/23 15:52
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661726	LMH	EET BUF	03/15/23 13:41
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 13:06

Client Sample ID: SB-09-3-3.5`

Lab Sample ID: 480-206849-8

Date Collected: 03/09/23 14:34
Matrix: Solid
Date Received: 03/09/23 16:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661200	KER	EET BUF	03/10/23 16:07

Client Sample ID: SB-09-3-3.5`

Lab Sample ID: 480-206849-8

Date Collected: 03/09/23 14:34
Matrix: Solid
Date Received: 03/09/23 16:43
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			661501	CDC	EET BUF	03/10/23 14:45
Total/NA	Analysis	8260C		1	661502	CDC	EET BUF	03/15/23 00:40
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		20	661710	JMM	EET BUF	03/16/23 12:21
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661995	W1T	EET BUF	03/20/23 10:25
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661551	LMH	EET BUF	03/14/23 15:56
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661726	LMH	EET BUF	03/15/23 13:45
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 13:07

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206849-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206849-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206849-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-206849-1	SB-03-SS	Solid	03/09/23 07:58	03/09/23 16:43
480-206849-2	SB-03 4-4.5`	Solid	03/09/23 08:17	03/09/23 16:43
480-206849-3	SB-05-SS	Solid	03/09/23 10:30	03/09/23 16:43
480-206849-4	SB-05-3.5-4`	Solid	03/09/23 10:39	03/09/23 16:43
480-206849-5	SB-07-SS	Solid	03/09/23 12:53	03/09/23 16:43
480-206849-6	SB-07-3-3.5`	Solid	03/09/23 12:56	03/09/23 16:43
480-206849-7	SB-09-SS	Solid	03/09/23 14:31	03/09/23 16:43
480-206849-8	SB-09-3-3.5`	Solid	03/09/23 14:34	03/09/23 16:43

Chain of Custody Record

Temperature on Receipt ______

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Syracuse
#225

TAL-4124 (1007)

Client: AECC	Project Manager: J. SAXTON	Date: 3/9/23	Chain of Custody Number: 228627
Address: 6308 FLY RD	Telephone Number (Area Code)/Fax Number: 315 432 9400	Lab Number	Page 1 of 1
City: E. SYRACUSE State: NY Zip Code: 13057	Site Contact: G. FISCHER Lab Contact: B. Fischer		
Project Name and Location (State): 250 RIVER RD. N. TONAWANDA NY	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Terra Core	8270D/8082A	6010C/7471B	8260C	Special Instructions/Conditions of Receipt
SB-03-SS	3/9/23	7:58				X	2							X	X		
SB-03-4-4.5'	↓	8:17				X	2						4	X	X	X	
SB-05-SS	↓	10:30				X	2							X	X		
SB-05-3.5-4'	↓	10:39				X	2						4	X	X	X	
SB-07-SS	↓	12:53				X	2							X	X		
SB-07-3-3.5'	↓	12:56				X	2						4	X	X	X	
SB-09-SS	↓	14:31				X	2							X	X		
SB-09-3-3.5'	↓	14:34				X	2						4	X	X	X	

480-206849 Chain of Custody

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ______

QC Requirements (Specify)

1. Relinquished By: [signature]	Date: 3/9/23	Time: 1643	1. Received By: [signature]	Date: 3/9/23	Time: 1643
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

#2 @ 4.7°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Asbestos & Environmental Consulting Corp

Job Number: 480-206849-1

Login Number: 206849

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE TIME 3-10-23 14:45
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. George Fischer
Asbestos & Environmental Consulting Corp
6308 Fly Road
East Syracuse, New York 13057

Generated 3/28/2023 10:59:38 AM

JOB DESCRIPTION

250 River Rd, N. Tonawanda, NY

JOB NUMBER

480-206864-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
3/28/2023 10:59:38 AM

Authorized for release by
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@et.eurofinsus.com
Designee for
Brian Fischer, Manager of Project Management
Brian.Fischer@et.eurofinsus.com
(716)504-9835

Table of Contents

Definitions/Glossary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206864-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-206864-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-206864-1

Comments
No additional comments.

Receipt
The samples were received on 3/10/2023 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-661502 recovered above the upper control limit for Carbon tetrachloride, Trichlorofluoromethane and Vinyl chloride. The sample(s) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SB-08-7-7.5 (480-206864-2) and SB-06-3-4 (480-206864-4).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-661615 recovered above the upper control limit for 2-Hexanone and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: SB-04-3.5-4 (480-206864-6).

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted due to the nature of the sample matrix: SB-04-3.5-4 (480-206864-6). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-661562 and analytical batch 480-661615 recovered outside control limits for the following analytes: Isopropylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated sample is impacted: SB-04-3.5-4 (480-206864-6).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-661758 recovered above the upper control limit for trans-1,3-Dichloropropene and 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SB-04-SS (480-206864-5) and SB-04-7.5-8 (480-206864-7).

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted due to the nature of the sample matrix: SB-04-SS (480-206864-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis due to the nature of the sample matrix: SB-04-7.5-8 (480-206864-7). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to color, appearance, and viscosity: SB-08-SS (480-206864-1), SB-08-7-7.5 (480-206864-2), SB-06-SS (480-206864-3), SB-04-SS (480-206864-5) and SB-04-3.5-4 (480-206864-6). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: SB-08-SS (480-206864-1), SB-08-7-7.5 (480-206864-2) and SB-04-3.5-4 (480-206864-6). These results have been reported and qualified.

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: SB-06-SS (480-206864-3). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8270D: The following sample was diluted due to the nature of the sample matrix: SB-04-SS (480-206864-5). As such, surrogate

Job ID: 480-206864-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: SB-08-SS (480-206864-1), SB-06-SS (480-206864-3) and SB-04-SS (480-206864-5). Elevated reporting limits (RLs) are provided.

Method 6010C: The following sample was diluted due to the presence of Total Iron which interferes with Chromium, Manganese, Nickel, Lead, and Vanadium: SB-06-3-4 (480-206864-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: SB-04-SS (480-206864-5). The reporting limits (RLs) are elevated proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206864-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Client Sample ID: SB-08-SS
Lab Sample ID: 480-206864-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	1500	J	1900	190	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	1400	J	1900	280	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	1900		1900	300	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	980	J	1900	200	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	950	J	1900	240	ug/Kg	10	☼	8270D	Total/NA
Chrysene	1600	J	1900	420	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	3300		1900	200	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	900	J	1900	230	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	1100	J	1900	280	ug/Kg	10	☼	8270D	Total/NA
Pyrene	3500		1900	220	ug/Kg	10	☼	8270D	Total/NA
PCB-1254	0.21	J	0.27	0.13	mg/Kg	1	☼	8082A	Total/NA
Aluminum	9690		11.3	5.0	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.56	J	16.9	0.45	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.3		2.3	0.45	mg/Kg	1	☼	6010C	Total/NA
Barium	69.8		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.63		0.23	0.032	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.37		0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Calcium	124000		113	7.4	mg/Kg	2	☼	6010C	Total/NA
Chromium	14.3		0.56	0.23	mg/Kg	1	☼	6010C	Total/NA
Cobalt	3.9		0.56	0.056	mg/Kg	1	☼	6010C	Total/NA
Copper	25.2		2.3	0.47	mg/Kg	2	☼	6010C	Total/NA
Iron	10900		11.3	3.9	mg/Kg	1	☼	6010C	Total/NA
Lead	64.0		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Magnesium	18300		22.5	1.0	mg/Kg	1	☼	6010C	Total/NA
Manganese	489	B	0.23	0.036	mg/Kg	1	☼	6010C	Total/NA
Nickel	12.1		5.6	0.26	mg/Kg	1	☼	6010C	Total/NA
Potassium	1790		33.8	22.5	mg/Kg	1	☼	6010C	Total/NA
Sodium	670	B	158	14.7	mg/Kg	1	☼	6010C	Total/NA
Thallium	1.5	J	6.8	0.34	mg/Kg	1	☼	6010C	Total/NA
Vanadium	17.8		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Zinc	113		2.3	0.72	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.055		0.023	0.0053	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-08-7-7.5
Lab Sample ID: 480-206864-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	7.1	J	21	1.5	ug/Kg	1	☼	8260C	Total/NA
4-Methyl-2-pentanone (MIBK)	1.4	J	21	1.4	ug/Kg	1	☼	8260C	Total/NA
Acetone	79		21	3.5	ug/Kg	1	☼	8260C	Total/NA
Benzene	0.25	J	4.1	0.20	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.59	J	4.1	0.56	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.42	J	4.1	0.31	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]anthracene	1100	J	2000	200	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	1400	J	2000	290	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	1800	J	2000	310	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	940	J	2000	210	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	900	J	2000	250	ug/Kg	10	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	2100		2000	670	ug/Kg	10	☼	8270D	Total/NA
Chrysene	1100	J	2000	440	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	2100		2000	210	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	880	J	2000	240	ug/Kg	10	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: SB-08-7-7.5 (Continued)
Lab Sample ID: 480-206864-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	1000	J	2000	290	ug/Kg	10	☼	8270D	Total/NA
Pyrene	2700		2000	230	ug/Kg	10	☼	8270D	Total/NA
Aluminum	8190		11.8	5.2	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.98	J	17.6	0.47	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.6		2.4	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	77.8		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.52		0.24	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.38		0.24	0.035	mg/Kg	1	☼	6010C	Total/NA
Calcium	102000		58.8	3.9	mg/Kg	1	☼	6010C	Total/NA
Chromium	13.3		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Cobalt	3.7		0.59	0.059	mg/Kg	1	☼	6010C	Total/NA
Copper	25.0		1.2	0.25	mg/Kg	1	☼	6010C	Total/NA
Iron	12300		11.8	4.1	mg/Kg	1	☼	6010C	Total/NA
Lead	54.5		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Magnesium	25300		23.5	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	479	B	0.24	0.038	mg/Kg	1	☼	6010C	Total/NA
Nickel	11.9		5.9	0.27	mg/Kg	1	☼	6010C	Total/NA
Potassium	1520		35.3	23.5	mg/Kg	1	☼	6010C	Total/NA
Sodium	504	B	165	15.3	mg/Kg	1	☼	6010C	Total/NA
Thallium	1.4	J	7.1	0.35	mg/Kg	1	☼	6010C	Total/NA
Vanadium	15.8		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	120		2.4	0.75	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.032		0.023	0.0053	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-06-SS
Lab Sample ID: 480-206864-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	990	J	3800	380	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]pyrene	1200	J	3800	560	ug/Kg	20	☼	8270D	Total/NA
Benzo[b]fluoranthene	1600	J	3800	610	ug/Kg	20	☼	8270D	Total/NA
Benzo[g,h,i]perylene	760	J	3800	400	ug/Kg	20	☼	8270D	Total/NA
Benzo[k]fluoranthene	760	J	3800	490	ug/Kg	20	☼	8270D	Total/NA
Chrysene	1100	J	3800	850	ug/Kg	20	☼	8270D	Total/NA
Fluoranthene	1700	J	3800	400	ug/Kg	20	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	780	J	3800	470	ug/Kg	20	☼	8270D	Total/NA
Pyrene	1900	J	3800	450	ug/Kg	20	☼	8270D	Total/NA
Aluminum	8880		11.7	5.1	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.51	J	17.5	0.47	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.7		2.3	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	65.8		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.66		0.23	0.033	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.32		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Calcium	144000		117	7.7	mg/Kg	2	☼	6010C	Total/NA
Chromium	14.7		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Cobalt	3.3		0.58	0.058	mg/Kg	1	☼	6010C	Total/NA
Copper	20.0		2.3	0.49	mg/Kg	2	☼	6010C	Total/NA
Iron	9790		11.7	4.1	mg/Kg	1	☼	6010C	Total/NA
Lead	34.6		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Magnesium	23300		23.3	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	421	B	0.23	0.037	mg/Kg	1	☼	6010C	Total/NA
Nickel	14.0		5.8	0.27	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-06-SS (Continued)
Lab Sample ID: 480-206864-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1690		35.0	23.3	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.49	J	4.7	0.47	mg/Kg	1	☼	6010C	Total/NA
Sodium	315	B	163	15.2	mg/Kg	1	☼	6010C	Total/NA
Thallium	1.4	J	7.0	0.35	mg/Kg	1	☼	6010C	Total/NA
Vanadium	17.9		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	70.2		2.3	0.75	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.057		0.022	0.0051	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-06-3-4
Lab Sample ID: 480-206864-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	20	J	36	6.1	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]anthracene	30	J	240	24	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	41	J	240	38	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	51	J	240	25	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	40	J	240	35	ug/Kg	1	☼	8270D	Total/NA
Pyrene	45	J	240	28	ug/Kg	1	☼	8270D	Total/NA
Aluminum	8360		14.4	6.3	mg/Kg	1	☼	6010C	Total/NA
Antimony	4.1	J	21.6	0.58	mg/Kg	1	☼	6010C	Total/NA
Arsenic	30.0		2.9	0.58	mg/Kg	1	☼	6010C	Total/NA
Barium	68.1		0.72	0.16	mg/Kg	1	☼	6010C	Total/NA
Beryllium	1.2		0.29	0.040	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.28	J	0.29	0.043	mg/Kg	1	☼	6010C	Total/NA
Calcium	9840		72.1	4.8	mg/Kg	1	☼	6010C	Total/NA
Chromium	21.1		3.6	1.4	mg/Kg	5	☼	6010C	Total/NA
Cobalt	13.2		0.72	0.072	mg/Kg	1	☼	6010C	Total/NA
Copper	39.2		1.4	0.30	mg/Kg	1	☼	6010C	Total/NA
Iron	98400		72.1	25.2	mg/Kg	5	☼	6010C	Total/NA
Lead	14.5		7.2	1.7	mg/Kg	5	☼	6010C	Total/NA
Magnesium	1990		28.8	1.3	mg/Kg	1	☼	6010C	Total/NA
Manganese	181		1.4	0.23	mg/Kg	5	☼	6010C	Total/NA
Nickel	35.1	J	36.1	1.7	mg/Kg	5	☼	6010C	Total/NA
Potassium	1320		43.3	28.8	mg/Kg	1	☼	6010C	Total/NA
Selenium	2.3	J	5.8	0.58	mg/Kg	1	☼	6010C	Total/NA
Sodium	401	B	202	18.8	mg/Kg	1	☼	6010C	Total/NA
Thallium	1.6	J	8.7	0.43	mg/Kg	1	☼	6010C	Total/NA
Vanadium	33.4		3.6	0.79	mg/Kg	5	☼	6010C	Total/NA
Zinc	25.1		2.9	0.92	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.19		0.026	0.0059	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-04-SS
Lab Sample ID: 480-206864-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	680		320	93	ug/Kg	8	☼	8260C	Total/NA
Isopropylbenzene	910		320	48	ug/Kg	8	☼	8260C	Total/NA
Xylenes, Total	6100		640	180	ug/Kg	8	☼	8260C	Total/NA
2-Methylnaphthalene	5200	J	18000	3500	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	2100	J	18000	1800	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	2600	J	18000	2600	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	3600	J	18000	2800	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	2200	J	18000	1900	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	6000	J	18000	1900	ug/Kg	10	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-04-SS (Continued)
Lab Sample ID: 480-206864-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	3000	J	18000	2100	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	4900	J	18000	2600	ug/Kg	10	☼	8270D	Total/NA
Pyrene	3900	J	18000	2100	ug/Kg	10	☼	8270D	Total/NA
Aluminum	7090		10	4.4	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.55	J	15.0	0.40	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.8		2.0	0.40	mg/Kg	1	☼	6010C	Total/NA
Barium	68.4		0.50	0.11	mg/Kg	1	☼	6010C	Total/NA
Beryllium	1.1		0.20	0.028	mg/Kg	1	☼	6010C	Total/NA
Cadmium	3.6		0.20	0.030	mg/Kg	1	☼	6010C	Total/NA
Calcium	173000		250	16.5	mg/Kg	5	☼	6010C	Total/NA
Chromium	10.7		0.50	0.20	mg/Kg	1	☼	6010C	Total/NA
Cobalt	1.9		0.50	0.050	mg/Kg	1	☼	6010C	Total/NA
Copper	13.2		5.0	1.0	mg/Kg	5	☼	6010C	Total/NA
Iron	7290		10	3.5	mg/Kg	1	☼	6010C	Total/NA
Lead	38.8		1.0	0.24	mg/Kg	1	☼	6010C	Total/NA
Magnesium	35700		20.0	0.93	mg/Kg	1	☼	6010C	Total/NA
Manganese	839	B	0.20	0.032	mg/Kg	1	☼	6010C	Total/NA
Nickel	9.2		5.0	0.23	mg/Kg	1	☼	6010C	Total/NA
Potassium	1370		30.0	20.0	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.82	J	4.0	0.40	mg/Kg	1	☼	6010C	Total/NA
Sodium	774	B	140	13.0	mg/Kg	1	☼	6010C	Total/NA
Thallium	0.59	J	6.0	0.30	mg/Kg	1	☼	6010C	Total/NA
Vanadium	12.6		0.50	0.11	mg/Kg	1	☼	6010C	Total/NA
Zinc	688		2.0	0.64	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.028		0.019	0.0044	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-04-3.5-4
Lab Sample ID: 480-206864-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	11400		12.1	5.3	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.9		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	355		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	1.1		0.24	0.034	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.62		0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Calcium	49300		60.6	4.0	mg/Kg	1	☼	6010C	Total/NA
Chromium	11.7		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Cobalt	5.4		0.61	0.061	mg/Kg	1	☼	6010C	Total/NA
Copper	19.2		1.2	0.25	mg/Kg	1	☼	6010C	Total/NA
Iron	14900		12.1	4.2	mg/Kg	1	☼	6010C	Total/NA
Lead	34.4		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Magnesium	12100		24.3	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	1250	B	0.24	0.039	mg/Kg	1	☼	6010C	Total/NA
Nickel	15.4		6.1	0.28	mg/Kg	1	☼	6010C	Total/NA
Potassium	1770		36.4	24.3	mg/Kg	1	☼	6010C	Total/NA
Selenium	1.0	J	4.9	0.49	mg/Kg	1	☼	6010C	Total/NA
Sodium	706	B	170	15.8	mg/Kg	1	☼	6010C	Total/NA
Thallium	1.3	J	7.3	0.36	mg/Kg	1	☼	6010C	Total/NA
Vanadium	18.6		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	175		2.4	0.78	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.041		0.025	0.0058	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-7.5-8

Lab Sample ID: 480-206864-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	62	J	77	17	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	490		77	12	ug/Kg	1	☼	8260C	Total/NA
Methyl acetate	360	J	380	37	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	450		77	36	ug/Kg	1	☼	8260C	Total/NA
Biphenyl	89	J	230	34	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	750		230	46	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	49	J	230	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	27	J	230	23	ug/Kg	1	☼	8270D	Total/NA
Di-n-butyl phthalate	39	J	230	39	ug/Kg	1	☼	8270D	Total/NA
Di-n-octyl phthalate	35	J	230	27	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	66	J	230	24	ug/Kg	1	☼	8270D	Total/NA
Fluorene	93	J	230	27	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	190	J	230	30	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	190	J	230	34	ug/Kg	1	☼	8270D	Total/NA
Pyrene	56	J	230	27	ug/Kg	1	☼	8270D	Total/NA
Aluminum	17200		13.4	5.9	mg/Kg	1	☼	6010C	Total/NA
Antimony	0.62	J	20.1	0.54	mg/Kg	1	☼	6010C	Total/NA
Arsenic	5.3		2.7	0.54	mg/Kg	1	☼	6010C	Total/NA
Barium	271		0.67	0.15	mg/Kg	1	☼	6010C	Total/NA
Beryllium	1.0		0.27	0.037	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.27		0.27	0.040	mg/Kg	1	☼	6010C	Total/NA
Calcium	31600		66.9	4.4	mg/Kg	1	☼	6010C	Total/NA
Chromium	17.5		0.67	0.27	mg/Kg	1	☼	6010C	Total/NA
Cobalt	8.5		0.67	0.067	mg/Kg	1	☼	6010C	Total/NA
Copper	22.6		1.3	0.28	mg/Kg	1	☼	6010C	Total/NA
Iron	20300		13.4	4.7	mg/Kg	1	☼	6010C	Total/NA
Lead	22.4		1.3	0.32	mg/Kg	1	☼	6010C	Total/NA
Magnesium	9880		26.8	1.2	mg/Kg	1	☼	6010C	Total/NA
Manganese	813	B	0.27	0.043	mg/Kg	1	☼	6010C	Total/NA
Nickel	19.7		6.7	0.31	mg/Kg	1	☼	6010C	Total/NA
Potassium	2700		40.2	26.8	mg/Kg	1	☼	6010C	Total/NA
Sodium	720	B	187	17.4	mg/Kg	1	☼	6010C	Total/NA
Thallium	1.1	J	8.0	0.40	mg/Kg	1	☼	6010C	Total/NA
Vanadium	28.8		0.67	0.15	mg/Kg	1	☼	6010C	Total/NA
Zinc	65.4		2.7	0.86	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.050		0.029	0.0066	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-08-SS
Date Collected: 03/10/23 08:30
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-1
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1900	280	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
bis (2-chloroisopropyl) ether	ND		1900	380	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2,4,5-Trichlorophenol	ND		1900	510	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2,4,6-Trichlorophenol	ND		1900	380	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2,4-Dichlorophenol	ND		1900	200	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2,4-Dimethylphenol	ND		1900	450	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2,4-Dinitrophenol	ND		18000	8700	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2,4-Dinitrotoluene	ND		1900	390	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2,6-Dinitrotoluene	ND		1900	220	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2-Chloronaphthalene	ND		1900	310	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2-Chlorophenol	ND		3600	340	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2-Methylphenol	ND		1900	220	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2-Methylnaphthalene	ND		1900	380	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2-Nitroaniline	ND		3600	280	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
2-Nitrophenol	ND		1900	530	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
3,3'-Dichlorobenzidine	ND		3600	2200	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
3-Nitroaniline	ND		3600	520	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
4,6-Dinitro-2-methylphenol	ND		3600	1900	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
4-Bromophenyl phenyl ether	ND		1900	270	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
4-Chloro-3-methylphenol	ND		1900	460	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
4-Chloroaniline	ND		1900	460	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
4-Chlorophenyl phenyl ether	ND		1900	230	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
4-Methylphenol	ND		3600	220	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
4-Nitroaniline	ND		3600	980	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
4-Nitrophenol	ND		3600	1300	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Acenaphthene	ND		1900	280	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Acenaphthylene	ND		1900	240	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Acetophenone	ND		1900	250	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Anthracene	ND		1900	460	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Atrazine	ND		1900	650	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Benzaldehyde	ND		1900	1500	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Benzo[a]anthracene	**1500**	**J**	1900	190	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Benzo[a]pyrene	**1400**	**J**	1900	280	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Benzo[b]fluoranthene	**1900**		1900	300	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Benzo[g,h,i]perylene	**980**	**J**	1900	200	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Benzo[k]fluoranthene	**950**	**J**	1900	240	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Bis(2-chloroethoxy)methane	ND		1900	400	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Bis(2-chloroethyl)ether	ND		1900	240	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Bis(2-ethylhexyl) phthalate	ND		1900	640	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Butyl benzyl phthalate	ND		1900	310	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Caprolactam	ND		1900	560	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Carbazole	ND		1900	220	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Chrysene	**1600**	**J**	1900	420	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Dibenz(a,h)anthracene	ND		1900	330	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Di-n-butyl phthalate	ND		1900	320	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Di-n-octyl phthalate	ND		1900	220	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Dibenzofuran	ND		1900	220	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Diethyl phthalate	ND		1900	240	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Dimethyl phthalate	ND		1900	220	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10

Client Sample ID: SB-08-SS
Date Collected: 03/10/23 08:30
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-1
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**3300**		1900	200	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Fluorene	ND		1900	220	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Hexachlorobenzene	ND		1900	250	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Hexachlorobutadiene	ND		1900	280	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Hexachlorocyclopentadiene	ND		1900	250	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Hexachloroethane	ND		1900	240	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Indeno[1,2,3-cd]pyrene	**900**	**J**	1900	230	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Isophorone	ND		1900	400	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
N-Nitrosodi-n-propylamine	ND		1900	320	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
N-Nitrosodiphenylamine	ND		1900	1500	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Naphthalene	ND		1900	240	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Nitrobenzene	ND		1900	210	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Pentachlorophenol	ND		3600	1900	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Phenanthrene	**1100**	**J**	1900	280	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Phenol	ND		1900	290	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10
Pyrene	**3500**		1900	220	ug/Kg	☼	03/14/23 15:59	03/15/23 23:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*63*		*53 - 120*	*03/14/23 15:59*	*03/15/23 23:16*	*10*
Phenol-d5 (Surr)	*69*		*54 - 120*	*03/14/23 15:59*	*03/15/23 23:16*	*10*
p-Terphenyl-d14 (Surr)	*78*	*S1-*	*79 - 130*	*03/14/23 15:59*	*03/15/23 23:16*	*10*
2,4,6-Tribromophenol (Surr)	*34*	*S1-*	*54 - 120*	*03/14/23 15:59*	*03/15/23 23:16*	*10*
2-Fluorobiphenyl (Surr)	*67*		*60 - 120*	*03/14/23 15:59*	*03/15/23 23:16*	*10*
2-Fluorophenol (Surr)	*61*		*52 - 120*	*03/14/23 15:59*	*03/15/23 23:16*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.053	mg/Kg	☼	03/14/23 09:14	03/16/23 17:00	1
PCB-1221	ND		0.27	0.053	mg/Kg	☼	03/14/23 09:14	03/16/23 17:00	1
PCB-1232	ND		0.27	0.053	mg/Kg	☼	03/14/23 09:14	03/16/23 17:00	1
PCB-1242	ND		0.27	0.053	mg/Kg	☼	03/14/23 09:14	03/16/23 17:00	1
PCB-1248	ND		0.27	0.053	mg/Kg	☼	03/14/23 09:14	03/16/23 17:00	1
PCB-1254	**0.21**	**J**	0.27	0.13	mg/Kg	☼	03/14/23 09:14	03/16/23 17:00	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	03/14/23 09:14	03/16/23 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*60 - 154*	*03/14/23 09:14*	*03/16/23 17:00*	*1*
Tetrachloro-m-xylene	*111*		*60 - 154*	*03/14/23 09:14*	*03/16/23 17:00*	*1*
DCB Decachlorobiphenyl	*103*		*65 - 174*	*03/14/23 09:14*	*03/16/23 17:00*	*1*
DCB Decachlorobiphenyl	*147*		*65 - 174*	*03/14/23 09:14*	*03/16/23 17:00*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9690**		11.3	5.0	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Antimony	**0.56**	**J**	16.9	0.45	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Arsenic	**4.3**		2.3	0.45	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Barium	**69.8**		0.56	0.12	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Beryllium	**0.63**		0.23	0.032	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Cadmium	**0.37**		0.23	0.034	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Calcium	**124000**		113	7.4	mg/Kg	☼	03/15/23 10:20	03/17/23 13:59	2

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-08-SS
Date Collected: 03/10/23 08:30
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-1
Matrix: Solid
Percent Solids: 89.0

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	14.3		0.56	0.23	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Cobalt	3.9		0.56	0.056	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Copper	25.2		2.3	0.47	mg/Kg	☼	03/15/23 10:20	03/17/23 13:59	2
Iron	10900		11.3	3.9	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Lead	64.0		1.1	0.27	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Magnesium	18300		22.5	1.0	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Manganese	489	B	0.23	0.036	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Nickel	12.1		5.6	0.26	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Potassium	1790		33.8	22.5	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Selenium	ND		4.5	0.45	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Silver	ND		0.68	0.23	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Sodium	670	B	158	14.7	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Thallium	1.5	J	6.8	0.34	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Vanadium	17.8		0.56	0.12	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1
Zinc	113		2.3	0.72	mg/Kg	☼	03/15/23 10:20	03/16/23 18:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.055		0.023	0.0053	mg/Kg	☼	03/16/23 09:43	03/16/23 13:09	1

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206864-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Client Sample ID: SB-08-7-7.5
Lab Sample ID: 480-206864-2
Date Collected: 03/10/23 09:05
Matrix: Solid
Date Received: 03/10/23 15:00
Percent Solids: 85.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.1	0.30	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.67	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1	0.94	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,1,2-Trichloroethane	ND		4.1	0.54	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,1-Dichloroethane	ND		4.1	0.50	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,1-Dichloroethene	ND		4.1	0.51	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,2,4-Trichlorobenzene	ND		4.1	0.25	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,2-Dibromo-3-Chloropropane	ND		4.1	2.1	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,2-Dibromoethane	ND		4.1	0.53	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,2-Dichlorobenzene	ND		4.1	0.32	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,2-Dichloroethane	ND		4.1	0.21	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,2-Dichloropropane	ND		4.1	2.1	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,3-Dichlorobenzene	ND		4.1	0.21	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
1,4-Dichlorobenzene	ND		4.1	0.58	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
2-Butanone (MEK)	**7.1**	**J**	21	1.5	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
2-Hexanone	ND		21	2.1	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
4-Methyl-2-pentanone (MIBK)	**1.4**	**J**	21	1.4	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Acetone	**79**		21	3.5	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Benzene	**0.25**	**J**	4.1	0.20	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Bromodichloromethane	ND		4.1	0.55	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Bromoform	ND		4.1	2.1	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Bromomethane	ND		4.1	0.37	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Carbon disulfide	ND		4.1	2.1	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Carbon tetrachloride	ND		4.1	0.40	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Chlorobenzene	ND		4.1	0.55	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Chloroethane	ND		4.1	0.94	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Chloroform	ND		4.1	0.26	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Chloromethane	ND		4.1	0.25	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
cis-1,2-Dichloroethene	ND		4.1	0.53	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
cis-1,3-Dichloropropene	ND		4.1	0.60	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Cyclohexane	ND		4.1	0.58	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Dibromochloromethane	ND		4.1	0.53	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Dichlorodifluoromethane	ND		4.1	0.34	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Ethylbenzene	ND		4.1	0.29	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Isopropylbenzene	ND		4.1	0.62	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Methyl acetate	ND		21	2.5	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Methyl tert-butyl ether	ND		4.1	0.41	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Methylcyclohexane	ND		4.1	0.63	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Methylene Chloride	ND		4.1	1.9	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Styrene	ND		4.1	0.21	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Tetrachloroethene	**0.59**	**J**	4.1	0.56	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Toluene	**0.42**	**J**	4.1	0.31	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
trans-1,2-Dichloroethene	ND		4.1	0.43	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
trans-1,3-Dichloropropene	ND		4.1	1.8	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Trichloroethene	ND		4.1	0.91	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Trichlorofluoromethane	ND		4.1	0.39	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Vinyl chloride	ND		4.1	0.50	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1
Xylenes, Total	ND		8.3	0.70	ug/Kg	☼	03/10/23 15:10	03/15/23 01:05	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-08-7-7.5
Date Collected: 03/10/23 09:05
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-2
Matrix: Solid
Percent Solids: 85.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	03/10/23 15:10	03/15/23 01:05	1
4-Bromofluorobenzene (Surr)	101		72 - 126	03/10/23 15:10	03/15/23 01:05	1
Dibromofluoromethane (Surr)	97		60 - 140	03/10/23 15:10	03/15/23 01:05	1
Toluene-d8 (Surr)	98		71 - 125	03/10/23 15:10	03/15/23 01:05	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	290	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
bis (2-chloroisopropyl) ether	ND		2000	390	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2,4,5-Trichlorophenol	ND		2000	530	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2,4,6-Trichlorophenol	ND		2000	390	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2,4-Dimethylphenol	ND		2000	470	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2,4-Dinitrophenol	ND		19000	9000	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2,4-Dinitrotoluene	ND		2000	400	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2,6-Dinitrotoluene	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2-Chloronaphthalene	ND		2000	320	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2-Chlorophenol	ND		3800	360	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2-Methylphenol	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2-Methylnaphthalene	ND		2000	390	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2-Nitroaniline	ND		3800	290	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
2-Nitrophenol	ND		2000	550	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
3,3'-Dichlorobenzidine	ND		3800	2300	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
3-Nitroaniline	ND		3800	540	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
4,6-Dinitro-2-methylphenol	ND		3800	2000	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
4-Chloro-3-methylphenol	ND		2000	480	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
4-Chloroaniline	ND		2000	480	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
4-Chlorophenyl phenyl ether	ND		2000	240	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
4-Methylphenol	ND		3800	230	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
4-Nitroaniline	ND		3800	1000	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
4-Nitrophenol	ND		3800	1400	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Acenaphthene	ND		2000	290	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Acenaphthylene	ND		2000	250	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Acetophenone	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Anthracene	ND		2000	480	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Atrazine	ND		2000	680	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Benzo[a]anthracene	**1100**	**J**	2000	200	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Benzo[a]pyrene	**1400**	**J**	2000	290	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Benzo[b]fluoranthene	**1800**	**J**	2000	310	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Benzo[g,h,i]perylene	**940**	**J**	2000	210	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Benzo[k]fluoranthene	**900**	**J**	2000	250	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Bis(2-chloroethoxy)methane	ND		2000	410	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Bis(2-chloroethyl)ether	ND		2000	250	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Bis(2-ethylhexyl) phthalate	**2100**		2000	670	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Butyl benzyl phthalate	ND		2000	320	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Caprolactam	ND		2000	590	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Carbazole	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Chrysene	**1100**	**J**	2000	440	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10

Client Sample ID: SB-08-7-7.5
Date Collected: 03/10/23 09:05
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-2
Matrix: Solid
Percent Solids: 85.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		2000	340	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Di-n-butyl phthalate	ND		2000	330	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Di-n-octyl phthalate	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Dibenzofuran	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Diethyl phthalate	ND		2000	250	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Dimethyl phthalate	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Fluoranthene	**2100**		2000	210	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Fluorene	ND		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Hexachlorobenzene	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Hexachlorobutadiene	ND		2000	290	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Hexachlorocyclopentadiene	ND		2000	260	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Hexachloroethane	ND		2000	250	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Indeno[1,2,3-cd]pyrene	**880**	**J**	2000	240	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Isophorone	ND		2000	410	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
N-Nitrosodi-n-propylamine	ND		2000	330	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Naphthalene	ND		2000	250	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Pentachlorophenol	ND		3800	2000	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Phenanthrene	**1000**	**J**	2000	290	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Phenol	ND		2000	300	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10
Pyrene	**2700**		2000	230	ug/Kg	☼	03/14/23 15:59	03/15/23 23:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*71*		*53 - 120*	*03/14/23 15:59*	*03/15/23 23:41*	*10*
Phenol-d5 (Surr)	*76*		*54 - 120*	*03/14/23 15:59*	*03/15/23 23:41*	*10*
p-Terphenyl-d14 (Surr)	*73*	*S1-*	*79 - 130*	*03/14/23 15:59*	*03/15/23 23:41*	*10*
2,4,6-Tribromophenol (Surr)	*44*	*S1-*	*54 - 120*	*03/14/23 15:59*	*03/15/23 23:41*	*10*
2-Fluorobiphenyl (Surr)	*74*		*60 - 120*	*03/14/23 15:59*	*03/15/23 23:41*	*10*
2-Fluorophenol (Surr)	*69*		*52 - 120*	*03/14/23 15:59*	*03/15/23 23:41*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.054	mg/Kg	☼	03/14/23 09:14	03/16/23 17:13	1
PCB-1221	ND		0.28	0.054	mg/Kg	☼	03/14/23 09:14	03/16/23 17:13	1
PCB-1232	ND		0.28	0.054	mg/Kg	☼	03/14/23 09:14	03/16/23 17:13	1
PCB-1242	ND		0.28	0.054	mg/Kg	☼	03/14/23 09:14	03/16/23 17:13	1
PCB-1248	ND		0.28	0.054	mg/Kg	☼	03/14/23 09:14	03/16/23 17:13	1
PCB-1254	ND		0.28	0.13	mg/Kg	☼	03/14/23 09:14	03/16/23 17:13	1
PCB-1260	ND		0.28	0.13	mg/Kg	☼	03/14/23 09:14	03/16/23 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*60 - 154*	*03/14/23 09:14*	*03/16/23 17:13*	*1*
Tetrachloro-m-xylene	*105*		*60 - 154*	*03/14/23 09:14*	*03/16/23 17:13*	*1*
DCB Decachlorobiphenyl	*103*		*65 - 174*	*03/14/23 09:14*	*03/16/23 17:13*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*03/14/23 09:14*	*03/16/23 17:13*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8190**		11.8	5.2	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-08-7-7.5
Date Collected: 03/10/23 09:05
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-2
Matrix: Solid
Percent Solids: 85.4

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.98	J	17.6	0.47	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Arsenic	4.6		2.4	0.47	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Barium	77.8		0.59	0.13	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Beryllium	0.52		0.24	0.033	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Cadmium	0.38		0.24	0.035	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Calcium	102000		58.8	3.9	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Chromium	13.3		0.59	0.24	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Cobalt	3.7		0.59	0.059	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Copper	25.0		1.2	0.25	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Iron	12300		11.8	4.1	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Lead	54.5		1.2	0.28	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Magnesium	25300		23.5	1.1	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Manganese	479	B	0.24	0.038	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Nickel	11.9		5.9	0.27	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Potassium	1520		35.3	23.5	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Selenium	ND		4.7	0.47	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Silver	ND		0.71	0.24	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Sodium	504	B	165	15.3	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Thallium	1.4	J	7.1	0.35	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Vanadium	15.8		0.59	0.13	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1
Zinc	120		2.4	0.75	mg/Kg	☼	03/15/23 10:20	03/16/23 18:49	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.023	0.0053	mg/Kg	☼	03/16/23 09:43	03/16/23 13:10	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-06-SS
Date Collected: 03/10/23 10:55
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-3
Matrix: Solid
Percent Solids: 87.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		3800	560	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
bis (2-chloroisopropyl) ether	ND		3800	760	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2,4,5-Trichlorophenol	ND		3800	1000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2,4,6-Trichlorophenol	ND		3800	760	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2,4-Dichlorophenol	ND		3800	400	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2,4-Dimethylphenol	ND		3800	920	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2,4-Dinitrophenol	ND		37000	18000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2,4-Dinitrotoluene	ND		3800	790	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2,6-Dinitrotoluene	ND		3800	450	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2-Chloronaphthalene	ND		3800	630	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2-Chlorophenol	ND		7400	700	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2-Methylphenol	ND		3800	450	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2-Methylnaphthalene	ND		3800	760	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2-Nitroaniline	ND		7400	560	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
2-Nitrophenol	ND		3800	1100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
3,3'-Dichlorobenzidine	ND		7400	4500	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
3-Nitroaniline	ND		7400	1100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
4,6-Dinitro-2-methylphenol	ND		7400	3800	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
4-Bromophenyl phenyl ether	ND		3800	540	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
4-Chloro-3-methylphenol	ND		3800	940	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
4-Chloroaniline	ND		3800	940	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
4-Chlorophenyl phenyl ether	ND		3800	470	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
4-Methylphenol	ND		7400	450	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
4-Nitroaniline	ND		7400	2000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
4-Nitrophenol	ND		7400	2700	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Acenaphthene	ND		3800	560	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Acenaphthylene	ND		3800	490	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Acetophenone	ND		3800	520	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Anthracene	ND		3800	940	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Atrazine	ND		3800	1300	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Benzaldehyde	ND		3800	3000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Benzo[a]anthracene	**990**	**J**	3800	380	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Benzo[a]pyrene	**1200**	**J**	3800	560	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Benzo[b]fluoranthene	**1600**	**J**	3800	610	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Benzo[g,h,i]perylene	**760**	**J**	3800	400	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Benzo[k]fluoranthene	**760**	**J**	3800	490	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Bis(2-chloroethoxy)methane	ND		3800	810	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Bis(2-chloroethyl)ether	ND		3800	490	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Bis(2-ethylhexyl) phthalate	ND		3800	1300	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Butyl benzyl phthalate	ND		3800	630	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Caprolactam	ND		3800	1100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Carbazole	ND		3800	450	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Chrysene	**1100**	**J**	3800	850	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Dibenz(a,h)anthracene	ND		3800	670	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Di-n-butyl phthalate	ND		3800	650	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Di-n-octyl phthalate	ND		3800	450	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Dibenzofuran	ND		3800	450	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Diethyl phthalate	ND		3800	490	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Dimethyl phthalate	ND		3800	450	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20

Client Sample ID: SB-06-SS
Date Collected: 03/10/23 10:55
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-3
Matrix: Solid
Percent Solids: 87.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1700**	**J**	3800	400	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Fluorene	ND		3800	450	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Hexachlorobenzene	ND		3800	520	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Hexachlorobutadiene	ND		3800	560	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Hexachlorocyclopentadiene	ND		3800	520	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Hexachloroethane	ND		3800	490	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Indeno[1,2,3-cd]pyrene	**780**	**J**	3800	470	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Isophorone	ND		3800	810	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
N-Nitrosodi-n-propylamine	ND		3800	650	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
N-Nitrosodiphenylamine	ND		3800	3100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Naphthalene	ND		3800	490	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Nitrobenzene	ND		3800	430	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Pentachlorophenol	ND		7400	3800	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Phenanthrene	ND		3800	560	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Phenol	ND		3800	580	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20
Pyrene	**1900**	**J**	3800	450	ug/Kg	☼	03/14/23 15:59	03/16/23 00:06	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*60*		*53 - 120*	*03/14/23 15:59*	*03/16/23 00:06*	*20*
Phenol-d5 (Surr)	*58*		*54 - 120*	*03/14/23 15:59*	*03/16/23 00:06*	*20*
p-Terphenyl-d14 (Surr)	*57*	*S1-*	*79 - 130*	*03/14/23 15:59*	*03/16/23 00:06*	*20*
2,4,6-Tribromophenol (Surr)	*46*	*S1-*	*54 - 120*	*03/14/23 15:59*	*03/16/23 00:06*	*20*
2-Fluorobiphenyl (Surr)	*57*	*S1-*	*60 - 120*	*03/14/23 15:59*	*03/16/23 00:06*	*20*
2-Fluorophenol (Surr)	*52*		*52 - 120*	*03/14/23 15:59*	*03/16/23 00:06*	*20*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.051	mg/Kg	☼	03/14/23 09:14	03/16/23 17:26	1
PCB-1221	ND		0.26	0.051	mg/Kg	☼	03/14/23 09:14	03/16/23 17:26	1
PCB-1232	ND		0.26	0.051	mg/Kg	☼	03/14/23 09:14	03/16/23 17:26	1
PCB-1242	ND		0.26	0.051	mg/Kg	☼	03/14/23 09:14	03/16/23 17:26	1
PCB-1248	ND		0.26	0.051	mg/Kg	☼	03/14/23 09:14	03/16/23 17:26	1
PCB-1254	ND		0.26	0.12	mg/Kg	☼	03/14/23 09:14	03/16/23 17:26	1
PCB-1260	ND		0.26	0.12	mg/Kg	☼	03/14/23 09:14	03/16/23 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*110*		*60 - 154*	*03/14/23 09:14*	*03/16/23 17:26*	*1*
Tetrachloro-m-xylene	*116*		*60 - 154*	*03/14/23 09:14*	*03/16/23 17:26*	*1*
DCB Decachlorobiphenyl	*102*		*65 - 174*	*03/14/23 09:14*	*03/16/23 17:26*	*1*
DCB Decachlorobiphenyl	*104*		*65 - 174*	*03/14/23 09:14*	*03/16/23 17:26*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8880**		11.7	5.1	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Antimony	**0.51**	**J**	17.5	0.47	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Arsenic	**4.7**		2.3	0.47	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Barium	**65.8**		0.58	0.13	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Beryllium	**0.66**		0.23	0.033	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Cadmium	**0.32**		0.23	0.035	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Calcium	**144000**		117	7.7	mg/Kg	☼	03/15/23 10:20	03/17/23 14:03	2

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-06-SS
Date Collected: 03/10/23 10:55
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-3
Matrix: Solid
Percent Solids: 87.6

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	14.7		0.58	0.23	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Cobalt	3.3		0.58	0.058	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Copper	20.0		2.3	0.49	mg/Kg	☼	03/15/23 10:20	03/17/23 14:03	2
Iron	9790		11.7	4.1	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Lead	34.6		1.2	0.28	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Magnesium	23300		23.3	1.1	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Manganese	421	B	0.23	0.037	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Nickel	14.0		5.8	0.27	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Potassium	1690		35.0	23.3	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Selenium	0.49	J	4.7	0.47	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Silver	ND		0.70	0.23	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Sodium	315	B	163	15.2	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Thallium	1.4	J	7.0	0.35	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Vanadium	17.9		0.58	0.13	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1
Zinc	70.2		2.3	0.75	mg/Kg	☼	03/15/23 10:20	03/16/23 18:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.057		0.022	0.0051	mg/Kg	☼	03/16/23 09:43	03/16/23 13:11	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-06-3-4
Date Collected: 03/10/23 11:04
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-4
Matrix: Solid
Percent Solids: 69.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		7.2	0.52	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,1,2,2-Tetrachloroethane	ND		7.2	1.2	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.2	1.6	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,1,2-Trichloroethane	ND		7.2	0.93	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,1-Dichloroethane	ND		7.2	0.88	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,1-Dichloroethene	ND		7.2	0.88	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,2,4-Trichlorobenzene	ND		7.2	0.44	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,2-Dibromo-3-Chloropropane	ND		7.2	3.6	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,2-Dibromoethane	ND		7.2	0.92	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,2-Dichlorobenzene	ND		7.2	0.56	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,2-Dichloroethane	ND		7.2	0.36	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,2-Dichloropropane	ND		7.2	3.6	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,3-Dichlorobenzene	ND		7.2	0.37	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
1,4-Dichlorobenzene	ND		7.2	1.0	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
2-Butanone (MEK)	ND		36	2.6	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
2-Hexanone	ND		36	3.6	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
4-Methyl-2-pentanone (MIBK)	ND		36	2.4	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Acetone	**20**	**J**	36	6.1	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Benzene	ND		7.2	0.35	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Bromodichloromethane	ND		7.2	0.96	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Bromoform	ND		7.2	3.6	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Bromomethane	ND		7.2	0.65	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Carbon disulfide	ND		7.2	3.6	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Carbon tetrachloride	ND		7.2	0.70	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Chlorobenzene	ND		7.2	0.95	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Chloroethane	ND		7.2	1.6	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Chloroform	ND		7.2	0.44	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Chloromethane	ND		7.2	0.43	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
cis-1,2-Dichloroethene	ND		7.2	0.92	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
cis-1,3-Dichloropropene	ND		7.2	1.0	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Cyclohexane	ND		7.2	1.0	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Dibromochloromethane	ND		7.2	0.92	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Dichlorodifluoromethane	ND		7.2	0.59	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Ethylbenzene	ND		7.2	0.50	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Isopropylbenzene	ND		7.2	1.1	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Methyl acetate	ND		36	4.3	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Methyl tert-butyl ether	ND		7.2	0.71	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Methylcyclohexane	ND		7.2	1.1	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Methylene Chloride	ND		7.2	3.3	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Styrene	ND		7.2	0.36	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Tetrachloroethene	ND		7.2	0.97	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Toluene	ND		7.2	0.54	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
trans-1,2-Dichloroethene	ND		7.2	0.74	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
trans-1,3-Dichloropropene	ND		7.2	3.2	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Trichloroethene	ND		7.2	1.6	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Trichlorofluoromethane	ND		7.2	0.68	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Vinyl chloride	ND		7.2	0.88	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1
Xylenes, Total	ND		14	1.2	ug/Kg	☼	03/10/23 15:10	03/15/23 01:29	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-06-3-4
Date Collected: 03/10/23 11:04
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-4
Matrix: Solid
Percent Solids: 69.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	03/10/23 15:10	03/15/23 01:29	1
4-Bromofluorobenzene (Surr)	89		72 - 126	03/10/23 15:10	03/15/23 01:29	1
Dibromofluoromethane (Surr)	109		60 - 140	03/10/23 15:10	03/15/23 01:29	1
Toluene-d8 (Surr)	109		71 - 125	03/10/23 15:10	03/15/23 01:29	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		240	35	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
bis (2-chloroisopropyl) ether	ND		240	48	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2,4,5-Trichlorophenol	ND		240	65	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2,4,6-Trichlorophenol	ND		240	48	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2,4-Dichlorophenol	ND		240	25	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2,4-Dimethylphenol	ND		240	58	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2,4-Dinitrophenol	ND		2300	1100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2,4-Dinitrotoluene	ND		240	50	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2,6-Dinitrotoluene	ND		240	28	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2-Chloronaphthalene	ND		240	40	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2-Chlorophenol	ND		470	44	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2-Methylphenol	ND		240	28	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2-Methylnaphthalene	ND		240	48	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2-Nitroaniline	ND		470	35	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
2-Nitrophenol	ND		240	68	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
3,3'-Dichlorobenzidine	ND		470	280	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
3-Nitroaniline	ND		470	67	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
4,6-Dinitro-2-methylphenol	ND		470	240	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
4-Bromophenyl phenyl ether	ND		240	34	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
4-Chloro-3-methylphenol	ND		240	59	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
4-Chloroaniline	ND		240	59	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
4-Chlorophenyl phenyl ether	ND		240	30	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
4-Methylphenol	ND		470	28	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
4-Nitroaniline	ND		470	130	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
4-Nitrophenol	ND		470	170	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Acenaphthene	ND		240	35	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Acenaphthylene	ND		240	31	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Acetophenone	ND		240	33	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Anthracene	ND		240	59	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Atrazine	ND		240	84	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Benzaldehyde	ND		240	190	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Benzo[a]anthracene	**30**	**J**	240	24	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Benzo[a]pyrene	ND		240	35	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Benzo[b]fluoranthene	**41**	**J**	240	38	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Benzo[g,h,i]perylene	ND		240	25	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Benzo[k]fluoranthene	ND		240	31	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Bis(2-chloroethoxy)methane	ND		240	51	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Bis(2-chloroethyl)ether	ND		240	31	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Bis(2-ethylhexyl) phthalate	ND		240	82	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Butyl benzyl phthalate	ND		240	40	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Caprolactam	ND		240	72	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Carbazole	ND		240	28	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Chrysene	ND		240	54	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-06-3-4
Date Collected: 03/10/23 11:04
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-4
Matrix: Solid
Percent Solids: 69.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		240	42	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Di-n-butyl phthalate	ND		240	41	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Di-n-octyl phthalate	ND		240	28	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Dibenzofuran	ND		240	28	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Diethyl phthalate	ND		240	31	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Dimethyl phthalate	ND		240	28	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Fluoranthene	**51**	**J**	240	25	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Fluorene	ND		240	28	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Hexachlorobenzene	ND		240	33	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Hexachlorobutadiene	ND		240	35	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Hexachlorocyclopentadiene	ND		240	33	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Hexachloroethane	ND		240	31	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Indeno[1,2,3-cd]pyrene	ND		240	30	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Isophorone	ND		240	51	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
N-Nitrosodi-n-propylamine	ND		240	41	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
N-Nitrosodiphenylamine	ND		240	200	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Naphthalene	ND		240	31	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Nitrobenzene	ND		240	27	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Pentachlorophenol	ND		470	240	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Phenanthrene	**40**	**J**	240	35	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Phenol	ND		240	37	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1
Pyrene	**45**	**J**	240	28	ug/Kg	☼	03/14/23 15:59	03/16/23 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*80*		*53 - 120*	*03/14/23 15:59*	*03/16/23 00:31*	*1*
Phenol-d5 (Surr)	*80*		*54 - 120*	*03/14/23 15:59*	*03/16/23 00:31*	*1*
p-Terphenyl-d14 (Surr)	*80*		*79 - 130*	*03/14/23 15:59*	*03/16/23 00:31*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*54 - 120*	*03/14/23 15:59*	*03/16/23 00:31*	*1*
2-Fluorobiphenyl (Surr)	*80*		*60 - 120*	*03/14/23 15:59*	*03/16/23 00:31*	*1*
2-Fluorophenol (Surr)	*74*		*52 - 120*	*03/14/23 15:59*	*03/16/23 00:31*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.36	0.070	mg/Kg	☼	03/14/23 09:14	03/16/23 17:40	1
PCB-1221	ND		0.36	0.070	mg/Kg	☼	03/14/23 09:14	03/16/23 17:40	1
PCB-1232	ND		0.36	0.070	mg/Kg	☼	03/14/23 09:14	03/16/23 17:40	1
PCB-1242	ND		0.36	0.070	mg/Kg	☼	03/14/23 09:14	03/16/23 17:40	1
PCB-1248	ND		0.36	0.070	mg/Kg	☼	03/14/23 09:14	03/16/23 17:40	1
PCB-1254	ND		0.36	0.17	mg/Kg	☼	03/14/23 09:14	03/16/23 17:40	1
PCB-1260	ND		0.36	0.17	mg/Kg	☼	03/14/23 09:14	03/16/23 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*111*		*60 - 154*	*03/14/23 09:14*	*03/16/23 17:40*	*1*
Tetrachloro-m-xylene	*115*		*60 - 154*	*03/14/23 09:14*	*03/16/23 17:40*	*1*
DCB Decachlorobiphenyl	*108*		*65 - 174*	*03/14/23 09:14*	*03/16/23 17:40*	*1*
DCB Decachlorobiphenyl	*108*		*65 - 174*	*03/14/23 09:14*	*03/16/23 17:40*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8360**		14.4	6.3	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-06-3-4
Date Collected: 03/10/23 11:04
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-4
Matrix: Solid
Percent Solids: 69.2

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.1	J	21.6	0.58	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Arsenic	30.0		2.9	0.58	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Barium	68.1		0.72	0.16	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Beryllium	1.2		0.29	0.040	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Cadmium	0.28	J	0.29	0.043	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Calcium	9840		72.1	4.8	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Chromium	21.1		3.6	1.4	mg/Kg	☼	03/15/23 10:20	03/17/23 14:07	5
Cobalt	13.2		0.72	0.072	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Copper	39.2		1.4	0.30	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Iron	98400		72.1	25.2	mg/Kg	☼	03/15/23 10:20	03/17/23 14:07	5
Lead	14.5		7.2	1.7	mg/Kg	☼	03/15/23 10:20	03/17/23 14:07	5
Magnesium	1990		28.8	1.3	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Manganese	181		1.4	0.23	mg/Kg	☼	03/15/23 10:20	03/17/23 14:07	5
Nickel	35.1	J	36.1	1.7	mg/Kg	☼	03/15/23 10:20	03/17/23 14:07	5
Potassium	1320		43.3	28.8	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Selenium	2.3	J	5.8	0.58	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Silver	ND		0.87	0.29	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Sodium	401	B	202	18.8	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Thallium	1.6	J	8.7	0.43	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1
Vanadium	33.4		3.6	0.79	mg/Kg	☼	03/15/23 10:20	03/17/23 14:07	5
Zinc	25.1		2.9	0.92	mg/Kg	☼	03/15/23 10:20	03/16/23 18:57	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.026	0.0059	mg/Kg	☼	03/16/23 09:43	03/16/23 13:12	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-SS
Date Collected: 03/10/23 13:05
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-5
Matrix: Solid
Percent Solids: 95.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		320	89	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,1,2,2-Tetrachloroethane	ND		320	52	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		320	160	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,1,2-Trichloroethane	ND		320	67	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,1-Dichloroethane	ND		320	99	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,1-Dichloroethene	ND		320	110	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,2,4-Trichlorobenzene	ND		320	120	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,2-Dibromo-3-Chloropropane	ND		320	160	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,2-Dibromoethane	ND		320	56	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,2-Dichlorobenzene	ND		320	82	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,2-Dichloroethane	ND		320	130	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,2-Dichloropropane	ND		320	52	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,3-Dichlorobenzene	ND		320	86	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
1,4-Dichlorobenzene	ND		320	45	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
2-Butanone (MEK)	ND		1600	950	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
2-Hexanone	ND		1600	660	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
4-Methyl-2-pentanone (MIBK)	ND		1600	100	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Acetone	ND		1600	1300	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Benzene	ND		320	61	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Bromodichloromethane	ND		320	64	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Bromoform	ND		320	160	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Bromomethane	ND		320	71	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Carbon disulfide	ND		320	150	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Carbon tetrachloride	ND		320	82	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Chlorobenzene	ND		320	42	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Chloroethane	ND		320	67	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Chloroform	ND		320	220	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Chloromethane	ND		320	76	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
cis-1,2-Dichloroethene	ND		320	89	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
cis-1,3-Dichloropropene	ND		320	77	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Cyclohexane	ND		320	71	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Dibromochloromethane	ND		320	160	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Dichlorodifluoromethane	ND		320	140	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Ethylbenzene	**680**		320	93	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Isopropylbenzene	**910**		320	48	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Methyl acetate	ND		1600	150	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Methyl tert-butyl ether	ND		320	120	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Methylcyclohexane	ND		320	150	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Methylene Chloride	ND		320	64	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Styrene	ND		320	77	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Tetrachloroethene	ND		320	43	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Toluene	ND		320	86	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
trans-1,2-Dichloroethene	ND		320	76	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
trans-1,3-Dichloropropene	ND		320	32	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Trichloroethene	ND		320	89	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Trichlorofluoromethane	ND		320	150	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Vinyl chloride	ND		320	110	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8
Xylenes, Total	**6100**		640	180	ug/Kg	☼	03/15/23 09:35	03/16/23 17:56	8

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-SS
Date Collected: 03/10/23 13:05
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-5
Matrix: Solid
Percent Solids: 95.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	03/15/23 09:35	03/16/23 17:56	8
4-Bromofluorobenzene (Surr)	110		49 - 148	03/15/23 09:35	03/16/23 17:56	8
Dibromofluoromethane (Surr)	103		60 - 140	03/15/23 09:35	03/16/23 17:56	8
Toluene-d8 (Surr)	98		50 - 149	03/15/23 09:35	03/16/23 17:56	8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		18000	2600	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
bis (2-chloroisopropyl) ether	ND		18000	3500	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2,4,5-Trichlorophenol	ND		18000	4800	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2,4,6-Trichlorophenol	ND		18000	3500	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2,4-Dichlorophenol	ND		18000	1900	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2,4-Dimethylphenol	ND		18000	4300	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2,4-Dinitrophenol	ND		170000	81000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2,4-Dinitrotoluene	ND		18000	3600	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2,6-Dinitrotoluene	ND		18000	2100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2-Chloronaphthalene	ND		18000	2900	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2-Chlorophenol	ND		34000	3200	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2-Methylphenol	ND		18000	2100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2-Methylnaphthalene	**5200**	**J**	18000	3500	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2-Nitroaniline	ND		34000	2600	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
2-Nitrophenol	ND		18000	5000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
3,3'-Dichlorobenzidine	ND		34000	21000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
3-Nitroaniline	ND		34000	4900	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
4,6-Dinitro-2-methylphenol	ND		34000	18000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
4-Bromophenyl phenyl ether	ND		18000	2500	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
4-Chloro-3-methylphenol	ND		18000	4400	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
4-Chloroaniline	ND		18000	4400	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
4-Chlorophenyl phenyl ether	ND		18000	2200	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
4-Methylphenol	ND		34000	2100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
4-Nitroaniline	ND		34000	9200	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
4-Nitrophenol	ND		34000	12000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Acenaphthene	ND		18000	2600	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Acenaphthylene	ND		18000	2300	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Acetophenone	ND		18000	2400	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Anthracene	ND		18000	4400	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Atrazine	ND		18000	6100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Benzaldehyde	ND		18000	14000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Benzo[a]anthracene	**2100**	**J**	18000	1800	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Benzo[a]pyrene	**2600**	**J**	18000	2600	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Benzo[b]fluoranthene	**3600**	**J**	18000	2800	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Benzo[g,h,i]perylene	**2200**	**J**	18000	1900	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Benzo[k]fluoranthene	ND		18000	2300	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Bis(2-chloroethoxy)methane	ND		18000	3700	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Bis(2-chloroethyl)ether	ND		18000	2300	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Bis(2-ethylhexyl) phthalate	ND		18000	6000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Butyl benzyl phthalate	ND		18000	2900	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Caprolactam	ND		18000	5300	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Carbazole	ND		18000	2100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Chrysene	ND		18000	3900	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206864-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Client Sample ID: SB-04-SS
Lab Sample ID: 480-206864-5
Date Collected: 03/10/23 13:05
Matrix: Solid
Date Received: 03/10/23 15:00
Percent Solids: 95.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		18000	3100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Di-n-butyl phthalate	ND		18000	3000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Di-n-octyl phthalate	ND		18000	2100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Dibenzofuran	ND		18000	2100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Diethyl phthalate	ND		18000	2300	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Dimethyl phthalate	ND		18000	2100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Fluoranthene	**6000**	**J**	18000	1900	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Fluorene	**3000**	**J**	18000	2100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Hexachlorobenzene	ND		18000	2400	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Hexachlorobutadiene	ND		18000	2600	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Hexachlorocyclopentadiene	ND		18000	2400	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Hexachloroethane	ND		18000	2300	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Indeno[1,2,3-cd]pyrene	ND		18000	2200	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Isophorone	ND		18000	3700	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
N-Nitrosodi-n-propylamine	ND		18000	3000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
N-Nitrosodiphenylamine	ND		18000	14000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Naphthalene	ND		18000	2300	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Nitrobenzene	ND		18000	2000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Pentachlorophenol	ND		34000	18000	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Phenanthrene	**4900**	**J**	18000	2600	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Phenol	ND		18000	2700	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10
Pyrene	**3900**	**J**	18000	2100	ug/Kg	☼	03/14/23 15:59	03/16/23 00:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*0*	*S1-*	*53 - 120*	*03/14/23 15:59*	*03/16/23 00:55*	*10*
Phenol-d5 (Surr)	*82*		*54 - 120*	*03/14/23 15:59*	*03/16/23 00:55*	*10*
p-Terphenyl-d14 (Surr)	*94*		*79 - 130*	*03/14/23 15:59*	*03/16/23 00:55*	*10*
2,4,6-Tribromophenol (Surr)	*248*	*S1+*	*54 - 120*	*03/14/23 15:59*	*03/16/23 00:55*	*10*
2-Fluorobiphenyl (Surr)	*0*	*S1-*	*60 - 120*	*03/14/23 15:59*	*03/16/23 00:55*	*10*
2-Fluorophenol (Surr)	*81*		*52 - 120*	*03/14/23 15:59*	*03/16/23 00:55*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	03/14/23 09:14	03/16/23 17:53	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	03/14/23 09:14	03/16/23 17:53	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	03/14/23 09:14	03/16/23 17:53	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	03/14/23 09:14	03/16/23 17:53	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	03/14/23 09:14	03/16/23 17:53	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	03/14/23 09:14	03/16/23 17:53	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	03/14/23 09:14	03/16/23 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*60 - 154*	*03/14/23 09:14*	*03/16/23 17:53*	*1*
Tetrachloro-m-xylene	*88*		*60 - 154*	*03/14/23 09:14*	*03/16/23 17:53*	*1*
DCB Decachlorobiphenyl	*121*		*65 - 174*	*03/14/23 09:14*	*03/16/23 17:53*	*1*
DCB Decachlorobiphenyl	*124*		*65 - 174*	*03/14/23 09:14*	*03/16/23 17:53*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7090**		10	4.4	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-SS
Date Collected: 03/10/23 13:05
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-5
Matrix: Solid
Percent Solids: 95.5

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.55	J	15.0	0.40	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Arsenic	2.8		2.0	0.40	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Barium	68.4		0.50	0.11	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Beryllium	1.1		0.20	0.028	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Cadmium	3.6		0.20	0.030	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Calcium	173000		250	16.5	mg/Kg	☼	03/15/23 10:20	03/17/23 14:11	5
Chromium	10.7		0.50	0.20	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Cobalt	1.9		0.50	0.050	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Copper	13.2		5.0	1.0	mg/Kg	☼	03/15/23 10:20	03/17/23 14:11	5
Iron	7290		10	3.5	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Lead	38.8		1.0	0.24	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Magnesium	35700		20.0	0.93	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Manganese	839	B	0.20	0.032	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Nickel	9.2		5.0	0.23	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Potassium	1370		30.0	20.0	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Selenium	0.82	J	4.0	0.40	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Silver	ND		0.60	0.20	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Sodium	774	B	140	13.0	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Thallium	0.59	J	6.0	0.30	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Vanadium	12.6		0.50	0.11	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1
Zinc	688		2.0	0.64	mg/Kg	☼	03/15/23 10:20	03/16/23 19:00	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0044	mg/Kg	☼	03/16/23 09:43	03/16/23 13:14	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-3.5-4
Date Collected: 03/10/23 13:24
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-6
Matrix: Solid
Percent Solids: 79.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		180	49	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,1,2,2-Tetrachloroethane	ND		180	29	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		180	89	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,1,2-Trichloroethane	ND		180	37	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,1-Dichloroethane	ND		180	55	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,1-Dichloroethene	ND		180	62	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,2,4-Trichlorobenzene	ND		180	68	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,2-Dibromo-3-Chloropropane	ND		180	89	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,2-Dibromoethane	ND		180	31	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,2-Dichlorobenzene	ND		180	45	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,2-Dichloroethane	ND		180	73	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,2-Dichloropropane	ND		180	29	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,3-Dichlorobenzene	ND		180	48	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
1,4-Dichlorobenzene	ND		180	25	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
2-Butanone (MEK)	ND		890	530	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
2-Hexanone	ND		890	370	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
4-Methyl-2-pentanone (MIBK)	ND		890	57	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Acetone	ND		890	730	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Benzene	ND		180	34	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Bromodichloromethane	ND		180	36	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Bromoform	ND		180	89	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Bromomethane	ND		180	39	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Carbon disulfide	ND		180	81	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Carbon tetrachloride	ND		180	45	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Chlorobenzene	ND		180	24	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Chloroethane	ND		180	37	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Chloroform	ND		180	120	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Chloromethane	ND		180	42	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
cis-1,2-Dichloroethene	ND		180	49	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
cis-1,3-Dichloropropene	ND		180	43	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Cyclohexane	ND		180	40	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Dibromochloromethane	ND		180	86	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Dichlorodifluoromethane	ND		180	78	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Ethylbenzene	ND		180	52	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Isopropylbenzene	ND		180	27	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Methyl acetate	ND		890	85	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Methyl tert-butyl ether	ND		180	67	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Methylcyclohexane	ND		180	83	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Methylene Chloride	ND		180	35	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Styrene	ND		180	43	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Tetrachloroethene	ND		180	24	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Toluene	ND		180	48	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
trans-1,2-Dichloroethene	ND		180	42	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
trans-1,3-Dichloropropene	ND		180	18	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Trichloroethene	ND		180	50	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Trichlorofluoromethane	ND		180	84	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Vinyl chloride	ND		180	60	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2
Xylenes, Total	ND		360	99	ug/Kg	☼	03/15/23 09:35	03/15/23 16:31	2

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-3.5-4
Date Collected: 03/10/23 13:24
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-6
Matrix: Solid
Percent Solids: 79.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		53 - 146	03/15/23 09:35	03/15/23 16:31	2
4-Bromofluorobenzene (Surr)	102		49 - 148	03/15/23 09:35	03/15/23 16:31	2
Dibromofluoromethane (Surr)	97		60 - 140	03/15/23 09:35	03/15/23 16:31	2
Toluene-d8 (Surr)	99		50 - 149	03/15/23 09:35	03/15/23 16:31	2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2100	310	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
bis (2-chloroisopropyl) ether	ND		2100	420	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2,4,5-Trichlorophenol	ND		2100	560	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2,4,6-Trichlorophenol	ND		2100	420	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2,4-Dimethylphenol	ND		2100	500	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2,4-Dinitrophenol	ND		20000	9600	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2,4-Dinitrotoluene	ND		2100	430	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2,6-Dinitrotoluene	ND		2100	240	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2-Chloronaphthalene	ND		2100	340	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2-Chlorophenol	ND		4000	380	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2-Methylphenol	ND		2100	240	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2-Methylnaphthalene	ND		2100	420	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2-Nitroaniline	ND		4000	310	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
2-Nitrophenol	ND		2100	590	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
3,3'-Dichlorobenzidine	ND		4000	2400	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
3-Nitroaniline	ND		4000	580	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
4,6-Dinitro-2-methylphenol	ND		4000	2100	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
4-Bromophenyl phenyl ether	ND		2100	290	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
4-Chloro-3-methylphenol	ND		2100	510	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
4-Chloroaniline	ND		2100	510	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
4-Methylphenol	ND		4000	240	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
4-Nitroaniline	ND		4000	1100	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
4-Nitrophenol	ND		4000	1500	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Acenaphthene	ND		2100	310	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Acenaphthylene	ND		2100	270	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Acetophenone	ND		2100	280	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Anthracene	ND		2100	510	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Atrazine	ND		2100	720	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Benzaldehyde	ND		2100	1700	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Benzo[a]anthracene	ND		2100	210	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Benzo[a]pyrene	ND		2100	310	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Benzo[b]fluoranthene	ND		2100	330	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Benzo[g,h,i]perylene	ND		2100	220	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Benzo[k]fluoranthene	ND		2100	270	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Bis(2-chloroethoxy)methane	ND		2100	440	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Bis(2-ethylhexyl) phthalate	ND		2100	710	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Butyl benzyl phthalate	ND		2100	340	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Caprolactam	ND		2100	620	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Carbazole	ND		2100	240	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Chrysene	ND		2100	470	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-3.5-4
Date Collected: 03/10/23 13:24
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-6
Matrix: Solid
Percent Solids: 79.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		2100	370	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Di-n-butyl phthalate	ND		2100	350	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Di-n-octyl phthalate	ND		2100	240	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Dibenzofuran	ND		2100	240	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Diethyl phthalate	ND		2100	270	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Dimethyl phthalate	ND		2100	240	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Fluoranthene	ND		2100	220	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Fluorene	ND		2100	240	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Hexachlorobenzene	ND		2100	280	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Hexachlorocyclopentadiene	ND		2100	280	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Hexachloroethane	ND		2100	270	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Indeno[1,2,3-cd]pyrene	ND		2100	260	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Isophorone	ND		2100	440	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
N-Nitrosodi-n-propylamine	ND		2100	350	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Naphthalene	ND		2100	270	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Nitrobenzene	ND		2100	230	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Pentachlorophenol	ND		4000	2100	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Phenanthrene	ND		2100	310	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Phenol	ND		2100	320	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10
Pyrene	ND		2100	240	ug/Kg	☼	03/14/23 15:59	03/16/23 01:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*62*		*53 - 120*	*03/14/23 15:59*	*03/16/23 01:19*	*10*
Phenol-d5 (Surr)	*70*		*54 - 120*	*03/14/23 15:59*	*03/16/23 01:19*	*10*
p-Terphenyl-d14 (Surr)	*78*	*S1-*	*79 - 130*	*03/14/23 15:59*	*03/16/23 01:19*	*10*
2,4,6-Tribromophenol (Surr)	*72*		*54 - 120*	*03/14/23 15:59*	*03/16/23 01:19*	*10*
2-Fluorobiphenyl (Surr)	*69*		*60 - 120*	*03/14/23 15:59*	*03/16/23 01:19*	*10*
2-Fluorophenol (Surr)	*60*		*52 - 120*	*03/14/23 15:59*	*03/16/23 01:19*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.31	0.061	mg/Kg	☼	03/14/23 09:14	03/16/23 18:06	1
PCB-1221	ND		0.31	0.061	mg/Kg	☼	03/14/23 09:14	03/16/23 18:06	1
PCB-1232	ND		0.31	0.061	mg/Kg	☼	03/14/23 09:14	03/16/23 18:06	1
PCB-1242	ND		0.31	0.061	mg/Kg	☼	03/14/23 09:14	03/16/23 18:06	1
PCB-1248	ND		0.31	0.061	mg/Kg	☼	03/14/23 09:14	03/16/23 18:06	1
PCB-1254	ND		0.31	0.15	mg/Kg	☼	03/14/23 09:14	03/16/23 18:06	1
PCB-1260	ND		0.31	0.15	mg/Kg	☼	03/14/23 09:14	03/16/23 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*03/14/23 09:14*	*03/16/23 18:06*	*1*
Tetrachloro-m-xylene	*113*		*60 - 154*	*03/14/23 09:14*	*03/16/23 18:06*	*1*
DCB Decachlorobiphenyl	*105*		*65 - 174*	*03/14/23 09:14*	*03/16/23 18:06*	*1*
DCB Decachlorobiphenyl	*107*		*65 - 174*	*03/14/23 09:14*	*03/16/23 18:06*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11400**		12.1	5.3	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-3.5-4
Date Collected: 03/10/23 13:24
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-6
Matrix: Solid
Percent Solids: 79.8

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		18.2	0.49	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Arsenic	**4.9**		2.4	0.49	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Barium	**355**		0.61	0.13	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Beryllium	**1.1**		0.24	0.034	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Cadmium	**0.62**		0.24	0.036	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Calcium	**49300**		60.6	4.0	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Chromium	**11.7**		0.61	0.24	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Cobalt	**5.4**		0.61	0.061	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Copper	**19.2**		1.2	0.25	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Iron	**14900**		12.1	4.2	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Lead	**34.4**		1.2	0.29	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Magnesium	**12100**		24.3	1.1	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Manganese	**1250**	**B**	0.24	0.039	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Nickel	**15.4**		6.1	0.28	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Potassium	**1770**		36.4	24.3	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Selenium	**1.0**	**J**	4.9	0.49	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Silver	ND		0.73	0.24	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Sodium	**706**	**B**	170	15.8	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Thallium	**1.3**	**J**	7.3	0.36	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Vanadium	**18.6**		0.61	0.13	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1
Zinc	**175**		2.4	0.78	mg/Kg	☼	03/15/23 10:20	03/16/23 19:05	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.041**		0.025	0.0058	mg/Kg	☼	03/16/23 09:43	03/16/23 13:15	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-7.5-8
Date Collected: 03/10/23 13:33
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-7
Matrix: Solid
Percent Solids: 72.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		77	21	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,1,2,2-Tetrachloroethane	ND		77	12	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		77	38	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,1,2-Trichloroethane	ND		77	16	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,1-Dichloroethane	ND		77	24	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,1-Dichloroethene	ND		77	27	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,2,4-Trichlorobenzene	ND		77	29	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,2-Dibromo-3-Chloropropane	ND		77	38	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,2-Dibromoethane	ND		77	13	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,2-Dichlorobenzene	ND		77	20	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,2-Dichloroethane	ND		77	31	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,2-Dichloropropane	ND		77	12	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,3-Dichlorobenzene	ND		77	20	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
1,4-Dichlorobenzene	ND		77	11	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
2-Butanone (MEK)	ND		380	230	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
2-Hexanone	ND		380	160	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
4-Methyl-2-pentanone (MIBK)	ND		380	25	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Acetone	ND		380	320	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Benzene	ND		77	15	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Bromodichloromethane	ND		77	15	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Bromoform	ND		77	38	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Bromomethane	ND		77	17	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Carbon disulfide	ND		77	35	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Carbon tetrachloride	ND		77	20	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Chlorobenzene	ND		77	10	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Chloroethane	ND		77	16	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Chloroform	ND		77	53	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Chloromethane	ND		77	18	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
cis-1,2-Dichloroethene	ND		77	21	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
cis-1,3-Dichloropropene	ND		77	18	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Cyclohexane	**62**	**J**	77	17	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Dibromochloromethane	ND		77	37	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Dichlorodifluoromethane	ND		77	33	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Ethylbenzene	ND		77	22	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Isopropylbenzene	**490**		77	12	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Methyl acetate	**360**	**J**	380	37	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Methyl tert-butyl ether	ND		77	29	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Methylcyclohexane	**450**		77	36	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Methylene Chloride	ND		77	15	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Styrene	ND		77	18	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Tetrachloroethene	ND		77	10	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Toluene	ND		77	21	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
trans-1,2-Dichloroethene	ND		77	18	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
trans-1,3-Dichloropropene	ND		77	7.5	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Trichloroethene	ND		77	21	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Trichlorofluoromethane	ND		77	36	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Vinyl chloride	ND		77	26	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1
Xylenes, Total	ND		150	42	ug/Kg	☼	03/15/23 09:35	03/16/23 18:19	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-7.5-8
Date Collected: 03/10/23 13:33
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-7
Matrix: Solid
Percent Solids: 72.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		53 - 146	03/15/23 09:35	03/16/23 18:19	1
4-Bromofluorobenzene (Surr)	88		49 - 148	03/15/23 09:35	03/16/23 18:19	1
Dibromofluoromethane (Surr)	98		60 - 140	03/15/23 09:35	03/16/23 18:19	1
Toluene-d8 (Surr)	80		50 - 149	03/15/23 09:35	03/16/23 18:19	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	**89**	**J**	230	34	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
bis (2-chloroisopropyl) ether	ND		230	46	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2,4,5-Trichlorophenol	ND		230	62	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2,4,6-Trichlorophenol	ND		230	46	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2,4-Dichlorophenol	ND		230	24	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2,4-Dimethylphenol	ND		230	55	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2,4-Dinitrophenol	ND		2200	1100	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2,4-Dinitrotoluene	ND		230	47	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2,6-Dinitrotoluene	ND		230	27	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2-Chloronaphthalene	ND		230	38	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2-Chlorophenol	ND		450	42	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2-Methylphenol	ND		230	27	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2-Methylnaphthalene	**750**		230	46	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2-Nitroaniline	ND		450	34	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
2-Nitrophenol	ND		230	65	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
3,3'-Dichlorobenzidine	ND		450	270	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
3-Nitroaniline	ND		450	63	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
4,6-Dinitro-2-methylphenol	ND		450	230	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
4-Bromophenyl phenyl ether	ND		230	32	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
4-Chloro-3-methylphenol	ND		230	57	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
4-Chloroaniline	ND		230	57	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
4-Chlorophenyl phenyl ether	ND		230	28	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
4-Methylphenol	ND		450	27	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
4-Nitroaniline	ND		450	120	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
4-Nitrophenol	ND		450	160	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Acenaphthene	**49**	**J**	230	34	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Acenaphthylene	ND		230	30	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Acetophenone	ND		230	31	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Anthracene	ND		230	57	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Atrazine	ND		230	80	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Benzaldehyde	ND		230	180	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Benzo[a]anthracene	**27**	**J**	230	23	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Benzo[a]pyrene	ND		230	34	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Benzo[b]fluoranthene	ND		230	36	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Benzo[g,h,i]perylene	ND		230	24	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Benzo[k]fluoranthene	ND		230	30	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Bis(2-chloroethoxy)methane	ND		230	49	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Bis(2-chloroethyl)ether	ND		230	30	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Bis(2-ethylhexyl) phthalate	ND		230	78	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Butyl benzyl phthalate	ND		230	38	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Caprolactam	ND		230	69	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Carbazole	ND		230	27	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Chrysene	ND		230	51	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206864-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Client Sample ID: SB-04-7.5-8
Lab Sample ID: 480-206864-7
Date Collected: 03/10/23 13:33
Matrix: Solid
Date Received: 03/10/23 15:00
Percent Solids: 72.5

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		230	40	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Di-n-butyl phthalate	**39**	**J**	230	39	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Di-n-octyl phthalate	**35**	**J**	230	27	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Dibenzofuran	ND		230	27	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Diethyl phthalate	ND		230	30	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Dimethyl phthalate	ND		230	27	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Fluoranthene	**66**	**J**	230	24	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Fluorene	**93**	**J**	230	27	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Hexachlorobenzene	ND		230	31	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Hexachlorobutadiene	ND		230	34	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Hexachlorocyclopentadiene	ND		230	31	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Hexachloroethane	ND		230	30	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Indeno[1,2,3-cd]pyrene	ND		230	28	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Isophorone	ND		230	49	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
N-Nitrosodi-n-propylamine	ND		230	39	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
N-Nitrosodiphenylamine	ND		230	190	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Naphthalene	**190**	**J**	230	30	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Nitrobenzene	ND		230	26	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Pentachlorophenol	ND		450	230	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Phenanthrene	**190**	**J**	230	34	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Phenol	ND		230	35	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1
Pyrene	**56**	**J**	230	27	ug/Kg	☼	03/14/23 15:59	03/16/23 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*85*		*53 - 120*	*03/14/23 15:59*	*03/16/23 01:44*	*1*
Phenol-d5 (Surr)	*84*		*54 - 120*	*03/14/23 15:59*	*03/16/23 01:44*	*1*
p-Terphenyl-d14 (Surr)	*81*		*79 - 130*	*03/14/23 15:59*	*03/16/23 01:44*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*54 - 120*	*03/14/23 15:59*	*03/16/23 01:44*	*1*
2-Fluorobiphenyl (Surr)	*81*		*60 - 120*	*03/14/23 15:59*	*03/16/23 01:44*	*1*
2-Fluorophenol (Surr)	*78*		*52 - 120*	*03/14/23 15:59*	*03/16/23 01:44*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.32	0.062	mg/Kg	☼	03/14/23 09:14	03/17/23 10:46	1
PCB-1221	ND		0.32	0.062	mg/Kg	☼	03/14/23 09:14	03/17/23 10:46	1
PCB-1232	ND		0.32	0.062	mg/Kg	☼	03/14/23 09:14	03/17/23 10:46	1
PCB-1242	ND		0.32	0.062	mg/Kg	☼	03/14/23 09:14	03/17/23 10:46	1
PCB-1248	ND		0.32	0.062	mg/Kg	☼	03/14/23 09:14	03/17/23 10:46	1
PCB-1254	ND		0.32	0.15	mg/Kg	☼	03/14/23 09:14	03/17/23 10:46	1
PCB-1260	ND		0.32	0.15	mg/Kg	☼	03/14/23 09:14	03/17/23 10:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*121*		*60 - 154*	*03/14/23 09:14*	*03/17/23 10:46*	*1*
Tetrachloro-m-xylene	*137*		*60 - 154*	*03/14/23 09:14*	*03/17/23 10:46*	*1*
DCB Decachlorobiphenyl	*136*		*65 - 174*	*03/14/23 09:14*	*03/17/23 10:46*	*1*
DCB Decachlorobiphenyl	*141*		*65 - 174*	*03/14/23 09:14*	*03/17/23 10:46*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**17200**		13.4	5.9	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-7.5-8
Date Collected: 03/10/23 13:33
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-7
Matrix: Solid
Percent Solids: 72.5

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.62	J	20.1	0.54	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Arsenic	5.3		2.7	0.54	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Barium	271		0.67	0.15	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Beryllium	1.0		0.27	0.037	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Cadmium	0.27		0.27	0.040	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Calcium	31600		66.9	4.4	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Chromium	17.5		0.67	0.27	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Cobalt	8.5		0.67	0.067	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Copper	22.6		1.3	0.28	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Iron	20300		13.4	4.7	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Lead	22.4		1.3	0.32	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Magnesium	9880		26.8	1.2	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Manganese	813	B	0.27	0.043	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Nickel	19.7		6.7	0.31	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Potassium	2700		40.2	26.8	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Selenium	ND		5.4	0.54	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Silver	ND		0.80	0.27	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Sodium	720	B	187	17.4	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Thallium	1.1	J	8.0	0.40	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Vanadium	28.8		0.67	0.15	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1
Zinc	65.4		2.7	0.86	mg/Kg	☼	03/15/23 10:20	03/16/23 19:09	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.050		0.029	0.0066	mg/Kg	☼	03/16/23 09:43	03/16/23 13:16	1

Surrogate Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-206864-2	SB-08-7-7.5	103	101	97	98
480-206864-4	SB-06-3-4	107	89	109	109
LCS 480-661501/1-A	Lab Control Sample	104	99	102	98
LCSD 480-661501/2-A	Lab Control Sample Dup	102	102	102	99
MB 480-661501/3-A	Method Blank	99	101	105	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-206864-5	SB-04-SS	105	110	103	98
480-206864-6	SB-04-3.5-4	103	102	97	99
480-206864-7	SB-04-7.5-8	104	88	98	80
LCS 480-661562/1-A	Lab Control Sample	96	104	97	98
MB 480-661562/3-A	Method Blank	97	103	96	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	PHL	TPHd14	TBP	FBP	2FP
Lab Sample ID	Client Sample ID	(53-120)	(54-120)	(79-130)	(54-120)	(60-120)	(52-120)
480-206864-1	SB-08-SS	63	69	78 S1-	34 S1-	67	61
480-206864-2	SB-08-7-7.5	71	76	73 S1-	44 S1-	74	69
480-206864-3	SB-06-SS	60	58	57 S1-	46 S1-	57 S1-	52
480-206864-4	SB-06-3-4	80	80	80	77	80	74
480-206864-5	SB-04-SS	0 S1-	82	94	248 S1+	0 S1-	81
480-206864-6	SB-04-3.5-4	62	70	78 S1-	72	69	60
480-206864-7	SB-04-7.5-8	85	84	81	84	81	78
LCS 480-661484/2-A	Lab Control Sample	77	80	83	86	78	72
MB 480-661484/1-A	Method Blank	79	82	90	66	83	75

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Surrogate Summary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206864-1
Project/Site: 250 River Rd, N. Tonawanda, NY

2FP = 2-Fluorophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-206864-1	SB-08-SS	111	101	147	103
480-206864-1 MS	SB-08-SS	139	130	135	136
480-206864-1 MSD	SB-08-SS	136	127	160	129
480-206864-2	SB-08-7-7.5	105	102	116	103
480-206864-3	SB-06-SS	116	110	104	102
480-206864-4	SB-06-3-4	115	111	108	108
480-206864-5	SB-04-SS	88	83	124	121
480-206864-6	SB-04-3.5-4	113	106	107	105
480-206864-7	SB-04-7.5-8	137	121	141	136
LCS 480-661381/2-A	Lab Control Sample	142	140	139	144
MB 480-661381/1-A	Method Blank	148	145	149	154

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-661501/3-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
2-Hexanone	ND		25	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Acetone	ND		25	4.2	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Benzene	ND		5.0	0.25	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Bromoform	ND		5.0	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Bromomethane	ND		5.0	0.45	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Chloroethane	ND		5.0	1.1	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Chloroform	0.331	J	5.0	0.31	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Chloromethane	ND		5.0	0.30	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Cyclohexane	ND		5.0	0.70	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Methyl acetate	ND		25	3.0	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Methylene Chloride	3.42	J	5.0	2.3	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Styrene	ND		5.0	0.25	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Toluene	ND		5.0	0.38	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Trichloroethene	ND		5.0	1.1	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		03/14/23 16:54	03/14/23 20:48	1
Xylenes, Total	ND		10	0.84	ug/Kg		03/14/23 16:54	03/14/23 20:48	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-661501/3-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661501

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	03/14/23 16:54	03/14/23 20:48	1
4-Bromofluorobenzene (Surr)	101		72 - 126	03/14/23 16:54	03/14/23 20:48	1
Dibromofluoromethane (Surr)	105		60 - 140	03/14/23 16:54	03/14/23 20:48	1
Toluene-d8 (Surr)	98		71 - 125	03/14/23 16:54	03/14/23 20:48	1

Lab Sample ID: LCS 480-661501/1-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	53.6		ug/Kg		107	77 - 121
1,1,2,2-Tetrachloroethane	50.0	47.6		ug/Kg		95	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.1		ug/Kg		94	60 - 140
1,1,2-Trichloroethane	50.0	46.8		ug/Kg		94	78 - 122
1,1-Dichloroethane	50.0	51.3		ug/Kg		103	73 - 126
1,1-Dichloroethene	50.0	51.0		ug/Kg		102	59 - 125
1,2,4-Trichlorobenzene	50.0	49.5		ug/Kg		99	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	53.8		ug/Kg		108	63 - 124
1,2-Dibromoethane	50.0	47.6		ug/Kg		95	78 - 120
1,2-Dichlorobenzene	50.0	47.0		ug/Kg		94	75 - 120
1,2-Dichloroethane	50.0	47.7		ug/Kg		95	77 - 122
1,2-Dichloropropane	50.0	49.9		ug/Kg		100	75 - 124
1,3-Dichlorobenzene	50.0	48.0		ug/Kg		96	74 - 120
1,4-Dichlorobenzene	50.0	47.2		ug/Kg		94	73 - 120
2-Butanone (MEK)	250	248		ug/Kg		99	70 - 134
2-Hexanone	250	248		ug/Kg		99	59 - 130
4-Methyl-2-pentanone (MIBK)	250	245		ug/Kg		98	65 - 133
Acetone	250	233		ug/Kg		93	61 - 137
Benzene	50.0	50.6		ug/Kg		101	79 - 127
Bromodichloromethane	50.0	51.8		ug/Kg		104	80 - 122
Bromoform	50.0	52.9		ug/Kg		106	68 - 126
Bromomethane	50.0	52.9		ug/Kg		106	37 - 149
Carbon disulfide	50.0	49.6		ug/Kg		99	64 - 131
Carbon tetrachloride	50.0	56.8		ug/Kg		114	75 - 135
Chlorobenzene	50.0	48.8		ug/Kg		98	76 - 124
Chloroethane	50.0	56.4		ug/Kg		113	69 - 135
Chloroform	50.0	48.9		ug/Kg		98	80 - 120
Chloromethane	50.0	54.3		ug/Kg		109	63 - 127
cis-1,2-Dichloroethene	50.0	49.9		ug/Kg		100	81 - 120
cis-1,3-Dichloropropene	50.0	54.1		ug/Kg		108	80 - 120
Cyclohexane	50.0	53.1		ug/Kg		106	65 - 120
Dibromochloromethane	50.0	52.3		ug/Kg		105	76 - 125
Dichlorodifluoromethane	50.0	63.3		ug/Kg		127	57 - 142
Ethylbenzene	50.0	49.9		ug/Kg		100	80 - 120
Isopropylbenzene	50.0	51.6		ug/Kg		103	72 - 120
Methyl acetate	100	98.8		ug/Kg		99	55 - 136
Methyl tert-butyl ether	50.0	48.8		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	55.5		ug/Kg		111	60 - 140

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-661501/1-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	50.0	55.1		ug/Kg		110	61 - 127
Styrene	50.0	49.6		ug/Kg		99	80 - 120
Tetrachloroethene	50.0	56.0		ug/Kg		112	74 - 122
Toluene	50.0	49.1		ug/Kg		98	74 - 128
trans-1,2-Dichloroethene	50.0	51.5		ug/Kg		103	78 - 126
Trichloroethene	50.0	53.2		ug/Kg		106	77 - 129
Trichlorofluoromethane	50.0	58.3		ug/Kg		117	65 - 146
Vinyl chloride	50.0	57.2		ug/Kg		114	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*
Dibromofluoromethane (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*98*		*71 - 125*

Lab Sample ID: LCSD 480-661501/2-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661501

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	51.0		ug/Kg		102	77 - 121	5	20
1,1,2,2-Tetrachloroethane	50.0	47.5		ug/Kg		95	80 - 120	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	44.2		ug/Kg		88	60 - 140	6	20
1,1,2-Trichloroethane	50.0	45.6		ug/Kg		91	78 - 122	2	20
1,1-Dichloroethane	50.0	48.9		ug/Kg		98	73 - 126	5	20
1,1-Dichloroethene	50.0	48.4		ug/Kg		97	59 - 125	5	20
1,2,4-Trichlorobenzene	50.0	48.1		ug/Kg		96	64 - 120	3	20
1,2-Dibromo-3-Chloropropane	50.0	53.2		ug/Kg		106	63 - 124	1	20
1,2-Dibromoethane	50.0	47.9		ug/Kg		96	78 - 120	1	20
1,2-Dichlorobenzene	50.0	45.9		ug/Kg		92	75 - 120	2	20
1,2-Dichloroethane	50.0	47.0		ug/Kg		94	77 - 122	1	20
1,2-Dichloropropane	50.0	48.7		ug/Kg		97	75 - 124	2	20
1,3-Dichlorobenzene	50.0	46.7		ug/Kg		93	74 - 120	3	20
1,4-Dichlorobenzene	50.0	46.2		ug/Kg		92	73 - 120	2	20
2-Butanone (MEK)	250	240		ug/Kg		96	70 - 134	3	20
2-Hexanone	250	248		ug/Kg		99	59 - 130	0	20
4-Methyl-2-pentanone (MIBK)	250	247		ug/Kg		99	65 - 133	1	20
Acetone	250	230		ug/Kg		92	61 - 137	2	20
Benzene	50.0	48.9		ug/Kg		98	79 - 127	4	20
Bromodichloromethane	50.0	51.1		ug/Kg		102	80 - 122	1	20
Bromoform	50.0	53.4		ug/Kg		107	68 - 126	1	20
Bromomethane	50.0	52.5		ug/Kg		105	37 - 149	1	20
Carbon disulfide	50.0	46.9		ug/Kg		94	64 - 131	6	20
Carbon tetrachloride	50.0	53.1		ug/Kg		106	75 - 135	7	20
Chlorobenzene	50.0	47.1		ug/Kg		94	76 - 124	4	20
Chloroethane	50.0	54.4		ug/Kg		109	69 - 135	4	20
Chloroform	50.0	47.5		ug/Kg		95	80 - 120	3	20
Chloromethane	50.0	51.8		ug/Kg		104	63 - 127	5	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-661501/2-A
Matrix: Solid
Analysis Batch: 661502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661501

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			50.0	49.3		ug/Kg		99	81 - 120	1	20
cis-1,3-Dichloropropene			50.0	52.8		ug/Kg		106	80 - 120	2	20
Cyclohexane			50.0	49.5		ug/Kg		99	65 - 120	7	20
Dibromochloromethane			50.0	51.9		ug/Kg		104	76 - 125	1	20
Dichlorodifluoromethane			50.0	58.3		ug/Kg		117	57 - 142	8	20
Ethylbenzene			50.0	48.1		ug/Kg		96	80 - 120	4	20
Isopropylbenzene			50.0	49.2		ug/Kg		98	72 - 120	5	20
Methyl acetate			100	97.0		ug/Kg		97	55 - 136	2	20
Methyl tert-butyl ether			50.0	48.8		ug/Kg		98	63 - 125	0	20
Methylcyclohexane			50.0	51.0		ug/Kg		102	60 - 140	8	20
Methylene Chloride			50.0	55.0		ug/Kg		110	61 - 127	0	20
Styrene			50.0	48.6		ug/Kg		97	80 - 120	2	20
Tetrachloroethene			50.0	55.8		ug/Kg		112	74 - 122	0	20
Toluene			50.0	47.7		ug/Kg		95	74 - 128	3	20
trans-1,2-Dichloroethene			50.0	49.4		ug/Kg		99	78 - 126	4	20
Trichloroethene			50.0	50.0		ug/Kg		100	77 - 129	6	20
Trichlorofluoromethane			50.0	53.8		ug/Kg		108	65 - 146	8	20
Vinyl chloride			50.0	53.8		ug/Kg		108	61 - 133	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*
Dibromofluoromethane (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*99*		*71 - 125*

Lab Sample ID: MB 480-661562/3-A
Matrix: Solid
Analysis Batch: 661758

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,1-Dichloroethane	ND		100	31	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,1-Dichloroethene	ND		100	35	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,2-Dibromoethane	ND		100	18	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,2-Dichloroethane	ND		100	41	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,2-Dichloropropane	ND		100	16	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
2-Butanone (MEK)	ND		500	300	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
2-Hexanone	ND		500	210	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Acetone	ND		500	410	ug/Kg		03/15/23 09:35	03/16/23 17:20	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-661562/3-A
Matrix: Solid
Analysis Batch: 661758

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		100	19	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Bromodichloromethane	ND		100	20	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Bromoform	ND		100	50	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Bromomethane	ND		100	22	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Carbon disulfide	ND		100	46	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Carbon tetrachloride	ND		100	26	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Chlorobenzene	ND		100	13	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Chloroethane	ND		100	21	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Chloroform	ND		100	69	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Chloromethane	ND		100	24	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Cyclohexane	ND		100	22	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Dibromochloromethane	ND		100	48	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Ethylbenzene	ND		100	29	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Isopropylbenzene	ND		100	15	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Methyl acetate	ND		500	48	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Methylcyclohexane	ND		100	47	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Methylene Chloride	ND		100	20	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Styrene	ND		100	24	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Tetrachloroethene	ND		100	13	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Toluene	ND		100	27	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Trichloroethene	ND		100	28	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Trichlorofluoromethane	ND		100	47	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Vinyl chloride	ND		100	34	ug/Kg		03/15/23 09:35	03/16/23 17:20	1
Xylenes, Total	ND		200	55	ug/Kg		03/15/23 09:35	03/16/23 17:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*	*03/15/23 09:35*	*03/16/23 17:20*	*1*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*	*03/15/23 09:35*	*03/16/23 17:20*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*	*03/15/23 09:35*	*03/16/23 17:20*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*03/15/23 09:35*	*03/16/23 17:20*	*1*

Lab Sample ID: LCS 480-661562/1-A
Matrix: Solid
Analysis Batch: 661758

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2500	2690		ug/Kg		108	68 - 130
1,1,2,2-Tetrachloroethane	2500	2570		ug/Kg		103	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2670		ug/Kg		107	10 - 179
1,1,2-Trichloroethane	2500	2630		ug/Kg		105	80 - 120
1,1-Dichloroethane	2500	2500		ug/Kg		100	78 - 121
1,1-Dichloroethene	2500	2480		ug/Kg		99	48 - 133

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-661562/1-A
Matrix: Solid
Analysis Batch: 661758

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	2500	2480		ug/Kg		99	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2540		ug/Kg		102	56 - 122
1,2-Dibromoethane	2500	2660		ug/Kg		107	80 - 120
1,2-Dichlorobenzene	2500	2590		ug/Kg		104	78 - 125
1,2-Dichloroethane	2500	2410		ug/Kg		96	74 - 127
1,2-Dichloropropane	2500	2560		ug/Kg		103	80 - 120
1,3-Dichlorobenzene	2500	2680		ug/Kg		107	80 - 120
1,4-Dichlorobenzene	2500	2630		ug/Kg		105	80 - 120
2-Butanone (MEK)	12500	13600		ug/Kg		109	54 - 149
2-Hexanone	12500	13800		ug/Kg		110	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	12400		ug/Kg		99	74 - 120
Acetone	12500	11900		ug/Kg		95	47 - 141
Benzene	2500	2650		ug/Kg		106	77 - 125
Bromodichloromethane	2500	2610		ug/Kg		104	71 - 121
Bromoform	2500	2880		ug/Kg		115	48 - 125
Bromomethane	2500	2480		ug/Kg		99	39 - 149
Carbon disulfide	2500	2600		ug/Kg		104	40 - 136
Carbon tetrachloride	2500	2700		ug/Kg		108	54 - 135
Chlorobenzene	2500	2570		ug/Kg		103	76 - 126
Chloroethane	2500	2520		ug/Kg		101	23 - 150
Chloroform	2500	2380		ug/Kg		95	78 - 120
Chloromethane	2500	2060		ug/Kg		83	61 - 124
cis-1,2-Dichloroethene	2500	2580		ug/Kg		103	79 - 124
cis-1,3-Dichloropropene	2500	2750		ug/Kg		110	75 - 121
Cyclohexane	2500	2760		ug/Kg		111	49 - 129
Dibromochloromethane	2500	2720		ug/Kg		109	64 - 120
Dichlorodifluoromethane	2500	2310		ug/Kg		93	10 - 150
Ethylbenzene	2500	2800		ug/Kg		112	78 - 124
Isopropylbenzene	2500	2920		ug/Kg		117	76 - 120
Methyl acetate	5000	4750		ug/Kg		95	71 - 123
Methyl tert-butyl ether	2500	2520		ug/Kg		101	67 - 137
Methylcyclohexane	2500	2900		ug/Kg		116	50 - 130
Methylene Chloride	2500	2440		ug/Kg		97	75 - 118
Styrene	2500	2880		ug/Kg		115	80 - 120
Tetrachloroethene	2500	2740		ug/Kg		109	73 - 133
Toluene	2500	2630		ug/Kg		105	75 - 124
trans-1,2-Dichloroethene	2500	2500		ug/Kg		100	74 - 129
Trichloroethene	2500	2620		ug/Kg		105	75 - 131
Trichlorofluoromethane	2500	2460		ug/Kg		98	29 - 158
Vinyl chloride	2500	2240		ug/Kg		90	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*
Dibromofluoromethane (Surr)	*97*		*60 - 140*
Toluene-d8 (Surr)	*98*		*50 - 149*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-661484/1-A
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	24	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
bis (2-chloroisopropyl) ether	ND		170	33	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,4,6-Trichlorophenol	ND		170	33	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,4-Dimethylphenol	ND		170	40	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,4-Dinitrophenol	ND		1600	770	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,4-Dinitrotoluene	ND		170	34	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2-Chloronaphthalene	ND		170	27	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2-Chlorophenol	ND		320	30	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2-Methylphenol	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2-Methylnaphthalene	ND		170	33	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2-Nitroaniline	ND		320	24	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
2-Nitrophenol	ND		170	47	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
3,3'-Dichlorobenzidine	ND		320	200	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
3-Nitroaniline	ND		320	46	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4,6-Dinitro-2-methylphenol	ND		320	170	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Bromophenyl phenyl ether	ND		170	23	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Chloro-3-methylphenol	ND		170	41	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Chloroaniline	ND		170	41	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Methylphenol	ND		320	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Nitroaniline	ND		320	87	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
4-Nitrophenol	ND		320	120	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Acenaphthene	ND		170	24	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Acenaphthylene	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Acetophenone	ND		170	22	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Anthracene	ND		170	41	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Atrazine	ND		170	58	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Benzaldehyde	ND		170	130	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Benzo[a]anthracene	ND		170	17	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Benzo[a]pyrene	ND		170	24	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Benzo[b]fluoranthene	ND		170	26	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Benzo[k]fluoranthene	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Bis(2-chloroethoxy)methane	ND		170	35	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Bis(2-chloroethyl)ether	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Butyl benzyl phthalate	ND		170	27	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Caprolactam	ND		170	50	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Carbazole	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Chrysene	ND		170	37	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Dibenz(a,h)anthracene	ND		170	29	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Di-n-butyl phthalate	ND		170	28	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Dibenzofuran	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Diethyl phthalate	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-661484/1-A
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Fluoranthene	ND		170	18	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Fluorene	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Hexachlorobenzene	ND		170	22	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Hexachlorobutadiene	ND		170	24	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Hexachlorocyclopentadiene	ND		170	22	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Hexachloroethane	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Isophorone	ND		170	35	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
N-Nitrosodi-n-propylamine	ND		170	28	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
N-Nitrosodiphenylamine	ND		170	130	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Naphthalene	ND		170	21	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Nitrobenzene	ND		170	19	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Pentachlorophenol	ND		320	170	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Phenanthrene	ND		170	24	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Phenol	ND		170	25	ug/Kg		03/14/23 15:59	03/15/23 18:24	1
Pyrene	ND		170	20	ug/Kg		03/14/23 15:59	03/15/23 18:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*79*		*53 - 120*	*03/14/23 15:59*	*03/15/23 18:24*	*1*
Phenol-d5 (Surr)	*82*		*54 - 120*	*03/14/23 15:59*	*03/15/23 18:24*	*1*
p-Terphenyl-d14 (Surr)	*90*		*79 - 130*	*03/14/23 15:59*	*03/15/23 18:24*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*54 - 120*	*03/14/23 15:59*	*03/15/23 18:24*	*1*
2-Fluorobiphenyl (Surr)	*83*		*60 - 120*	*03/14/23 15:59*	*03/15/23 18:24*	*1*
2-Fluorophenol (Surr)	*75*		*52 - 120*	*03/14/23 15:59*	*03/15/23 18:24*	*1*

Lab Sample ID: LCS 480-661484/2-A
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biphenyl	1650	1400		ug/Kg		85	59 - 120
bis (2-chloroisopropyl) ether	1650	1430		ug/Kg		87	44 - 120
2,4,5-Trichlorophenol	1650	1470		ug/Kg		89	59 - 126
2,4,6-Trichlorophenol	1650	1400		ug/Kg		85	59 - 123
2,4-Dichlorophenol	1650	1420		ug/Kg		86	61 - 120
2,4-Dimethylphenol	1650	1470		ug/Kg		89	59 - 120
2,4-Dinitrophenol	3290	2870		ug/Kg		87	41 - 146
2,4-Dinitrotoluene	1650	1540		ug/Kg		93	63 - 120
2,6-Dinitrotoluene	1650	1520		ug/Kg		92	66 - 120
2-Chloronaphthalene	1650	1360		ug/Kg		83	57 - 120
2-Chlorophenol	1650	1300		ug/Kg		79	53 - 120
2-Methylphenol	1650	1360		ug/Kg		83	54 - 120
2-Methylnaphthalene	1650	1480		ug/Kg		90	59 - 120
2-Nitroaniline	1650	1600		ug/Kg		97	61 - 120
2-Nitrophenol	1650	1410		ug/Kg		85	56 - 120
3,3'-Dichlorobenzidine	3290	2740		ug/Kg		83	54 - 120
3-Nitroaniline	1650	1070		ug/Kg		65	48 - 120

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-661484/2-A
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	3290	3490		ug/Kg		106	49 - 122
4-Bromophenyl phenyl ether	1650	1590		ug/Kg		96	58 - 120
4-Chloro-3-methylphenol	1650	1570		ug/Kg		96	61 - 120
4-Chloroaniline	1650	780		ug/Kg		47	38 - 120
4-Chlorophenyl phenyl ether	1650	1410		ug/Kg		86	63 - 124
4-Methylphenol	1650	1420		ug/Kg		86	55 - 120
4-Nitroaniline	1650	1420		ug/Kg		86	56 - 120
4-Nitrophenol	3290	3060		ug/Kg		93	43 - 147
Acenaphthene	1650	1420		ug/Kg		86	62 - 120
Acenaphthylene	1650	1440		ug/Kg		87	58 - 121
Acetophenone	1650	1340		ug/Kg		82	54 - 120
Anthracene	1650	1560		ug/Kg		95	62 - 120
Atrazine	3290	2990		ug/Kg		91	60 - 127
Benzaldehyde	3290	2490		ug/Kg		76	10 - 150
Benzo[a]anthracene	1650	1410		ug/Kg		86	65 - 120
Benzo[a]pyrene	1650	1670		ug/Kg		102	64 - 120
Benzo[b]fluoranthene	1650	1810		ug/Kg		110	64 - 120
Benzo[g,h,i]perylene	1650	1680		ug/Kg		102	45 - 145
Benzo[k]fluoranthene	1650	1590		ug/Kg		97	65 - 120
Bis(2-chloroethoxy)methane	1650	1440		ug/Kg		87	55 - 120
Bis(2-chloroethyl)ether	1650	1290		ug/Kg		78	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1450		ug/Kg		88	61 - 133
Butyl benzyl phthalate	1650	1470		ug/Kg		89	61 - 129
Caprolactam	3290	3220		ug/Kg		98	47 - 120
Carbazole	1650	1640		ug/Kg		99	65 - 120
Chrysene	1650	1410		ug/Kg		85	64 - 120
Dibenz(a,h)anthracene	1650	1640		ug/Kg		100	54 - 132
Di-n-butyl phthalate	1650	1610		ug/Kg		98	58 - 130
Di-n-octyl phthalate	1650	1530		ug/Kg		93	57 - 133
Dibenzofuran	1650	1430		ug/Kg		87	63 - 120
Diethyl phthalate	1650	1550		ug/Kg		94	66 - 120
Dimethyl phthalate	1650	1510		ug/Kg		92	65 - 124
Fluoranthene	1650	1670		ug/Kg		102	62 - 120
Fluorene	1650	1470		ug/Kg		89	63 - 120
Hexachlorobenzene	1650	1530		ug/Kg		93	60 - 120
Hexachlorobutadiene	1650	1240		ug/Kg		75	45 - 120
Hexachlorocyclopentadiene	1650	1160		ug/Kg		70	47 - 120
Hexachloroethane	1650	1070		ug/Kg		65	41 - 120
Indeno[1,2,3-cd]pyrene	1650	1740		ug/Kg		106	56 - 134
Isophorone	1650	1460		ug/Kg		89	56 - 120
N-Nitrosodi-n-propylamine	1650	1400		ug/Kg		85	52 - 120
N-Nitrosodiphenylamine	1650	1590		ug/Kg		97	51 - 128
Naphthalene	1650	1310		ug/Kg		79	55 - 120
Nitrobenzene	1650	1380		ug/Kg		84	54 - 120
Pentachlorophenol	3290	2420		ug/Kg		74	51 - 120
Phenanthrene	1650	1590		ug/Kg		97	60 - 120
Phenol	1650	1390		ug/Kg		85	53 - 120
Pyrene	1650	1450		ug/Kg		88	61 - 133

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-661484/2-A
Matrix: Solid
Analysis Batch: 661565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661484

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*77*		*53 - 120*
Phenol-d5 (Surr)	*80*		*54 - 120*
p-Terphenyl-d14 (Surr)	*83*		*79 - 130*
2,4,6-Tribromophenol (Surr)	*86*		*54 - 120*
2-Fluorobiphenyl (Surr)	*78*		*60 - 120*
2-Fluorophenol (Surr)	*72*		*52 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-661381/1-A
Matrix: Solid
Analysis Batch: 661668

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661381

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.039	mg/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1221	ND		0.20	0.039	mg/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1232	ND		0.20	0.039	mg/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1242	ND		0.20	0.039	mg/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1248	ND		0.20	0.039	mg/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1254	ND		0.20	0.094	mg/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1260	ND		0.20	0.094	mg/Kg		03/14/23 09:14	03/16/23 15:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*145*		*60 - 154*	*03/14/23 09:14*	*03/16/23 15:40*	*1*
Tetrachloro-m-xylene	*148*		*60 - 154*	*03/14/23 09:14*	*03/16/23 15:40*	*1*
DCB Decachlorobiphenyl	*154*		*65 - 174*	*03/14/23 09:14*	*03/16/23 15:40*	*1*
DCB Decachlorobiphenyl	*149*		*65 - 174*	*03/14/23 09:14*	*03/16/23 15:40*	*1*

Lab Sample ID: LCS 480-661381/2-A
Matrix: Solid
Analysis Batch: 661668

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661381

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2.00	3.21		mg/Kg		160	51 - 185		
PCB-1260			2.00	2.80		mg/Kg		140	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*140*		*60 - 154*
Tetrachloro-m-xylene	*142*		*60 - 154*
DCB Decachlorobiphenyl	*144*		*65 - 174*
DCB Decachlorobiphenyl	*139*		*65 - 174*

Lab Sample ID: 480-206864-1 MS
Matrix: Solid
Analysis Batch: 661668

Client Sample ID: SB-08-SS
Prep Type: Total/NA
Prep Batch: 661381

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		2.65	3.44		mg/Kg	☼	130	50 - 177		

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 480-206864-1 MS
Matrix: Solid
Analysis Batch: 661668

Client Sample ID: SB-08-SS
Prep Type: Total/NA
Prep Batch: 661381

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1260	ND		2.65	3.34		mg/Kg	☼	126	33 - 200

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*130*		*60 - 154*
Tetrachloro-m-xylene	*139*		*60 - 154*
DCB Decachlorobiphenyl	*136*		*65 - 174*
DCB Decachlorobiphenyl	*135*		*65 - 174*

Lab Sample ID: 480-206864-1 MSD
Matrix: Solid
Analysis Batch: 661668

Client Sample ID: SB-08-SS
Prep Type: Total/NA
Prep Batch: 661381

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		2.66	3.35		mg/Kg	☼	126	50 - 177	3	50
PCB-1260	ND		2.66	3.06		mg/Kg	☼	115	33 - 200	9	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*127*		*60 - 154*
Tetrachloro-m-xylene	*136*		*60 - 154*
DCB Decachlorobiphenyl	*129*		*65 - 174*
DCB Decachlorobiphenyl	*160*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-661572/1-A
Matrix: Solid
Analysis Batch: 661866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10.1	4.4	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Antimony	ND		15.1	0.40	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Arsenic	ND		2.0	0.40	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Barium	ND		0.50	0.11	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Beryllium	ND		0.20	0.028	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Cadmium	ND		0.20	0.030	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Calcium	ND		50.3	3.3	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Chromium	ND		0.50	0.20	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Cobalt	ND		0.50	0.050	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Copper	ND		1.0	0.21	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Iron	ND		10.1	3.5	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Magnesium	ND		20.1	0.93	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Manganese	0.0392	J	0.20	0.032	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Nickel	ND		5.0	0.23	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Potassium	ND		30.2	20.1	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Selenium	ND		4.0	0.40	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Silver	ND		0.60	0.20	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Sodium	21.91	J	141	13.1	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Thallium	ND		6.0	0.30	mg/Kg		03/15/23 10:20	03/16/23 18:14	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-661572/1-A
Matrix: Solid
Analysis Batch: 661866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	ND		0.50	0.11	mg/Kg		03/15/23 10:20	03/16/23 18:14	1
Zinc	ND		2.0	0.64	mg/Kg		03/15/23 10:20	03/16/23 18:14	1

Lab Sample ID: MB 480-661572/1-A
Matrix: Solid
Analysis Batch: 662056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.24	mg/Kg		03/15/23 10:20	03/17/23 13:48	1

Lab Sample ID: LCDSRM 480-661572/3-A
Matrix: Solid
Analysis Batch: 661866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661572

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	10100	9638		mg/Kg		95.4	37.5 - 114.9	0	20
Antimony	234	82.77		mg/Kg		35.4	10.0 - 120.1	1	20
Arsenic	129	98.31		mg/Kg		76.2	60.9 - 113.2	1	20
Barium	169	141.2		mg/Kg		83.6	68.6 - 114.2	2	20
Beryllium	137	112.6		mg/Kg		82.2	66.3 - 110.2	6	20
Cadmium	227	171.2		mg/Kg		75.4	64.8 - 110.1	4	20
Calcium	5190	4363		mg/Kg		84.1	64.0 - 112.9	1	20
Chromium	115	90.51		mg/Kg		78.7	62.4 - 115.7	1	20
Cobalt	50.0	45.34		mg/Kg		90.7	69.6 - 115.8	0	20
Copper	76.0	61.61		mg/Kg		81.1	69.5 - 115.8	1	20
Iron	15000	14770		mg/Kg		98.5	29.9 - 149.3	5	20
Magnesium	2570	2064		mg/Kg		80.3	53.7 - 121.0	0	20
Manganese	400	354.0		mg/Kg		88.5	70.5 - 115.8	7	20
Nickel	282	246.8		mg/Kg		87.5	62.1 - 114.9	0	20
Potassium	2420	2174		mg/Kg		89.8	46.7 - 113.2	2	20
Selenium	246	191.1		mg/Kg		77.7	60.2 - 114.6	3	20
Silver	87.5	70.62		mg/Kg		80.7	63.7 - 115.4	3	20
Sodium	161	154.8		mg/Kg		96.1	28.6 - 136.0	1	20
Thallium	77.4	72.28		mg/Kg		93.4	55.0 - 120.0	0	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-661572/3-A
Matrix: Solid
Analysis Batch: 661866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661572

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vanadium	201	166.3		mg/Kg		82.7	64.7 - 111.4	1	20
Zinc	401	281.6		mg/Kg		70.2	62.8 - 116.7	0	20

Lab Sample ID: LCDSRM 480-661572/3-A
Matrix: Solid
Analysis Batch: 662056

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661572

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	74.8	95.11		mg/Kg		127.2	67.0 - 128.9	10	20

Lab Sample ID: LCSSRM 480-661572/2-A
Matrix: Solid
Analysis Batch: 661866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661572

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10100	9623		mg/Kg		95.3	37.5 - 114.9
Antimony	234	81.67		mg/Kg		34.9	10.0 - 120.1
Arsenic	129	99.59		mg/Kg		77.2	60.9 - 113.2
Barium	169	138.5		mg/Kg		82.0	68.6 - 114.2
Beryllium	137	105.7		mg/Kg		77.1	66.3 - 110.2
Cadmium	227	165.2		mg/Kg		72.8	64.8 - 110.1
Calcium	5190	4317		mg/Kg		83.2	64.0 - 112.9
Chromium	115	89.23		mg/Kg		77.6	62.4 - 115.7
Cobalt	50.0	45.36		mg/Kg		90.7	69.6 - 115.8
Copper	76.0	62.51		mg/Kg		82.3	69.5 - 115.8
Iron	15000	15470		mg/Kg		103.2	29.9 - 149.3
Magnesium	2570	2073		mg/Kg		80.6	53.7 - 121.0
Manganese	400	331.7		mg/Kg		82.9	70.5 - 115.8
Nickel	282	246.3		mg/Kg		87.4	62.1 - 114.9
Potassium	2420	2138		mg/Kg		88.3	46.7 - 113.2
Selenium	246	185.2		mg/Kg		75.3	60.2 - 114.6
Silver	87.5	72.49		mg/Kg		82.8	63.7 - 115.4
Sodium	161	153.7		mg/Kg		95.5	28.6 - 136.0

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-661572/2-A
Matrix: Solid
Analysis Batch: 661866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661572

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	77.4	72.22		mg/Kg		93.3	55.0 - 120.0
Vanadium	201	165.5		mg/Kg		82.3	64.7 - 111.4
Zinc	401	280.5		mg/Kg		69.9	62.8 - 116.7

Lab Sample ID: LCSSRM 480-661572/2-A
Matrix: Solid
Analysis Batch: 662056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661572

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Lead	74.8	86.45		mg/Kg		115.6	67.0 - 128.9

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-661635/1-A
Matrix: Solid
Analysis Batch: 661771

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0046	mg/Kg		03/16/23 09:43	03/16/23 12:49	1

Lab Sample ID: LCSSRM 480-661635/2-A ^10
Matrix: Solid
Analysis Batch: 661771

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661635

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20.7	12.40		mg/Kg		59.9	38.3 - 110.1

GC/MS VOA

Prep Batch: 661501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-2	SB-08-7-7.5	Total/NA	Solid	5035A_L	
480-206864-4	SB-06-3-4	Total/NA	Solid	5035A_L	
MB 480-661501/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-661501/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
LCSD 480-661501/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A_L	

Analysis Batch: 661502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-2	SB-08-7-7.5	Total/NA	Solid	8260C	661501
480-206864-4	SB-06-3-4	Total/NA	Solid	8260C	661501
MB 480-661501/3-A	Method Blank	Total/NA	Solid	8260C	661501
LCS 480-661501/1-A	Lab Control Sample	Total/NA	Solid	8260C	661501
LCSD 480-661501/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	661501

Prep Batch: 661562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-5	SB-04-SS	Total/NA	Solid	5035A_H	
480-206864-6	SB-04-3.5-4	Total/NA	Solid	5035A_H	
480-206864-7	SB-04-7.5-8	Total/NA	Solid	5035A_H	
MB 480-661562/3-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-661562/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 661615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-6	SB-04-3.5-4	Total/NA	Solid	8260C	661562

Analysis Batch: 661758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-5	SB-04-SS	Total/NA	Solid	8260C	661562
480-206864-7	SB-04-7.5-8	Total/NA	Solid	8260C	661562
MB 480-661562/3-A	Method Blank	Total/NA	Solid	8260C	661562
LCS 480-661562/1-A	Lab Control Sample	Total/NA	Solid	8260C	661562

GC/MS Semi VOA

Prep Batch: 661484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-1	SB-08-SS	Total/NA	Solid	3550C	
480-206864-2	SB-08-7-7.5	Total/NA	Solid	3550C	
480-206864-3	SB-06-SS	Total/NA	Solid	3550C	
480-206864-4	SB-06-3-4	Total/NA	Solid	3550C	
480-206864-5	SB-04-SS	Total/NA	Solid	3550C	
480-206864-6	SB-04-3.5-4	Total/NA	Solid	3550C	
480-206864-7	SB-04-7.5-8	Total/NA	Solid	3550C	
MB 480-661484/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-661484/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 661565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-1	SB-08-SS	Total/NA	Solid	8270D	661484
480-206864-2	SB-08-7-7.5	Total/NA	Solid	8270D	661484

GC/MS Semi VOA (Continued)

Analysis Batch: 661565 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-3	SB-06-SS	Total/NA	Solid	8270D	661484
480-206864-4	SB-06-3-4	Total/NA	Solid	8270D	661484
480-206864-5	SB-04-SS	Total/NA	Solid	8270D	661484
480-206864-6	SB-04-3.5-4	Total/NA	Solid	8270D	661484
480-206864-7	SB-04-7.5-8	Total/NA	Solid	8270D	661484
MB 480-661484/1-A	Method Blank	Total/NA	Solid	8270D	661484
LCS 480-661484/2-A	Lab Control Sample	Total/NA	Solid	8270D	661484

GC Semi VOA

Prep Batch: 661381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-1	SB-08-SS	Total/NA	Solid	3550C	
480-206864-2	SB-08-7-7.5	Total/NA	Solid	3550C	
480-206864-3	SB-06-SS	Total/NA	Solid	3550C	
480-206864-4	SB-06-3-4	Total/NA	Solid	3550C	
480-206864-5	SB-04-SS	Total/NA	Solid	3550C	
480-206864-6	SB-04-3.5-4	Total/NA	Solid	3550C	
480-206864-7	SB-04-7.5-8	Total/NA	Solid	3550C	
MB 480-661381/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-661381/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-206864-1 MS	SB-08-SS	Total/NA	Solid	3550C	
480-206864-1 MSD	SB-08-SS	Total/NA	Solid	3550C	

Analysis Batch: 661668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-1	SB-08-SS	Total/NA	Solid	8082A	661381
480-206864-2	SB-08-7-7.5	Total/NA	Solid	8082A	661381
480-206864-3	SB-06-SS	Total/NA	Solid	8082A	661381
480-206864-4	SB-06-3-4	Total/NA	Solid	8082A	661381
480-206864-5	SB-04-SS	Total/NA	Solid	8082A	661381
480-206864-6	SB-04-3.5-4	Total/NA	Solid	8082A	661381
MB 480-661381/1-A	Method Blank	Total/NA	Solid	8082A	661381
LCS 480-661381/2-A	Lab Control Sample	Total/NA	Solid	8082A	661381
480-206864-1 MS	SB-08-SS	Total/NA	Solid	8082A	661381
480-206864-1 MSD	SB-08-SS	Total/NA	Solid	8082A	661381

Analysis Batch: 661827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-7	SB-04-7.5-8	Total/NA	Solid	8082A	661381

Metals

Prep Batch: 661572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-1	SB-08-SS	Total/NA	Solid	3050B	
480-206864-2	SB-08-7-7.5	Total/NA	Solid	3050B	
480-206864-3	SB-06-SS	Total/NA	Solid	3050B	
480-206864-4	SB-06-3-4	Total/NA	Solid	3050B	
480-206864-5	SB-04-SS	Total/NA	Solid	3050B	
480-206864-6	SB-04-3.5-4	Total/NA	Solid	3050B	
480-206864-7	SB-04-7.5-8	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 661572 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-661572/1-A	Method Blank	Total/NA	Solid	3050B	
LCDSRM 480-661572/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-661572/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 661635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-1	SB-08-SS	Total/NA	Solid	7471B	
480-206864-2	SB-08-7-7.5	Total/NA	Solid	7471B	
480-206864-3	SB-06-SS	Total/NA	Solid	7471B	
480-206864-4	SB-06-3-4	Total/NA	Solid	7471B	
480-206864-5	SB-04-SS	Total/NA	Solid	7471B	
480-206864-6	SB-04-3.5-4	Total/NA	Solid	7471B	
480-206864-7	SB-04-7.5-8	Total/NA	Solid	7471B	
MB 480-661635/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-661635/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 661771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-1	SB-08-SS	Total/NA	Solid	7471B	661635
480-206864-2	SB-08-7-7.5	Total/NA	Solid	7471B	661635
480-206864-3	SB-06-SS	Total/NA	Solid	7471B	661635
480-206864-4	SB-06-3-4	Total/NA	Solid	7471B	661635
480-206864-5	SB-04-SS	Total/NA	Solid	7471B	661635
480-206864-6	SB-04-3.5-4	Total/NA	Solid	7471B	661635
480-206864-7	SB-04-7.5-8	Total/NA	Solid	7471B	661635
MB 480-661635/1-A	Method Blank	Total/NA	Solid	7471B	661635
LCSSRM 480-661635/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	661635

Analysis Batch: 661866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-1	SB-08-SS	Total/NA	Solid	6010C	661572
480-206864-2	SB-08-7-7.5	Total/NA	Solid	6010C	661572
480-206864-3	SB-06-SS	Total/NA	Solid	6010C	661572
480-206864-4	SB-06-3-4	Total/NA	Solid	6010C	661572
480-206864-5	SB-04-SS	Total/NA	Solid	6010C	661572
480-206864-6	SB-04-3.5-4	Total/NA	Solid	6010C	661572
480-206864-7	SB-04-7.5-8	Total/NA	Solid	6010C	661572
MB 480-661572/1-A	Method Blank	Total/NA	Solid	6010C	661572
LCDSRM 480-661572/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	661572
LCSSRM 480-661572/2-A	Lab Control Sample	Total/NA	Solid	6010C	661572

Analysis Batch: 662056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-1	SB-08-SS	Total/NA	Solid	6010C	661572
480-206864-3	SB-06-SS	Total/NA	Solid	6010C	661572
480-206864-4	SB-06-3-4	Total/NA	Solid	6010C	661572
480-206864-5	SB-04-SS	Total/NA	Solid	6010C	661572
MB 480-661572/1-A	Method Blank	Total/NA	Solid	6010C	661572
LCDSRM 480-661572/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	661572
LCSSRM 480-661572/2-A	Lab Control Sample	Total/NA	Solid	6010C	661572

General Chemistry

Analysis Batch: 661477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206864-1	SB-08-SS	Total/NA	Solid	Moisture	
480-206864-2	SB-08-7-7.5	Total/NA	Solid	Moisture	
480-206864-3	SB-06-SS	Total/NA	Solid	Moisture	
480-206864-4	SB-06-3-4	Total/NA	Solid	Moisture	
480-206864-5	SB-04-SS	Total/NA	Solid	Moisture	
480-206864-6	SB-04-3.5-4	Total/NA	Solid	Moisture	
480-206864-7	SB-04-7.5-8	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-08-SS
Date Collected: 03/10/23 08:30
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661477	JMM	EET BUF	03/14/23 15:36

Client Sample ID: SB-08-SS
Date Collected: 03/10/23 08:30
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-1
Matrix: Solid
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		10	661565	JMM	EET BUF	03/15/23 23:16
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661668	W1T	EET BUF	03/16/23 17:00
Total/NA	Prep	3050B			661572	VAK	EET BUF	03/15/23 10:20
Total/NA	Analysis	6010C		1	661866	LMH	EET BUF	03/16/23 18:33
Total/NA	Prep	3050B			661572	VAK	EET BUF	03/15/23 10:20
Total/NA	Analysis	6010C		2	662056	LMH	EET BUF	03/17/23 13:59
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 13:09

Client Sample ID: SB-08-7-7.5
Date Collected: 03/10/23 09:05
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661477	JMM	EET BUF	03/14/23 15:36

Client Sample ID: SB-08-7-7.5
Date Collected: 03/10/23 09:05
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-2
Matrix: Solid
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			661501	CDC	EET BUF	03/10/23 15:10
Total/NA	Analysis	8260C		1	661502	CDC	EET BUF	03/15/23 01:05
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		10	661565	JMM	EET BUF	03/15/23 23:41
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661668	W1T	EET BUF	03/16/23 17:13
Total/NA	Prep	3050B			661572	VAK	EET BUF	03/15/23 10:20
Total/NA	Analysis	6010C		1	661866	LMH	EET BUF	03/16/23 18:49
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 13:10

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-06-SS
Date Collected: 03/10/23 10:55
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661477	JMM	EET BUF	03/14/23 15:36

Client Sample ID: SB-06-SS
Date Collected: 03/10/23 10:55
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-3
Matrix: Solid
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		20	661565	JMM	EET BUF	03/16/23 00:06
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661668	W1T	EET BUF	03/16/23 17:26
Total/NA	Prep	3050B			661572	VAK	EET BUF	03/15/23 10:20
Total/NA	Analysis	6010C		1	661866	LMH	EET BUF	03/16/23 18:53
Total/NA	Prep	3050B			661572	VAK	EET BUF	03/15/23 10:20
Total/NA	Analysis	6010C		2	662056	LMH	EET BUF	03/17/23 14:03
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 13:11

Client Sample ID: SB-06-3-4
Date Collected: 03/10/23 11:04
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661477	JMM	EET BUF	03/14/23 15:36

Client Sample ID: SB-06-3-4
Date Collected: 03/10/23 11:04
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-4
Matrix: Solid
Percent Solids: 69.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			661501	CDC	EET BUF	03/10/23 15:10
Total/NA	Analysis	8260C		1	661502	CDC	EET BUF	03/15/23 01:29
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		1	661565	JMM	EET BUF	03/16/23 00:31
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661668	W1T	EET BUF	03/16/23 17:40
Total/NA	Prep	3050B			661572	VAK	EET BUF	03/15/23 10:20
Total/NA	Analysis	6010C		1	661866	LMH	EET BUF	03/16/23 18:57
Total/NA	Prep	3050B			661572	VAK	EET BUF	03/15/23 10:20
Total/NA	Analysis	6010C		5	662056	LMH	EET BUF	03/17/23 14:07
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 13:12

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-SS
Date Collected: 03/10/23 13:05
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661477	JMM	EET BUF	03/14/23 15:36

Client Sample ID: SB-04-SS
Date Collected: 03/10/23 13:05
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-5
Matrix: Solid
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			661562	AXK	EET BUF	03/15/23 09:35
Total/NA	Analysis	8260C		8	661758	AXK	EET BUF	03/16/23 17:56
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		10	661565	JMM	EET BUF	03/16/23 00:55
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661668	W1T	EET BUF	03/16/23 17:53
Total/NA	Prep	3050B			661572	VAK	EET BUF	03/15/23 10:20
Total/NA	Analysis	6010C		1	661866	LMH	EET BUF	03/16/23 19:00
Total/NA	Prep	3050B			661572	VAK	EET BUF	03/15/23 10:20
Total/NA	Analysis	6010C		5	662056	LMH	EET BUF	03/17/23 14:11
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 13:14

Client Sample ID: SB-04-3.5-4
Date Collected: 03/10/23 13:24
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661477	JMM	EET BUF	03/14/23 15:36

Client Sample ID: SB-04-3.5-4
Date Collected: 03/10/23 13:24
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-6
Matrix: Solid
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			661562	AXK	EET BUF	03/15/23 09:35
Total/NA	Analysis	8260C		2	661615	ATG	EET BUF	03/15/23 16:31
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		10	661565	JMM	EET BUF	03/16/23 01:19
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661668	W1T	EET BUF	03/16/23 18:06
Total/NA	Prep	3050B			661572	VAK	EET BUF	03/15/23 10:20
Total/NA	Analysis	6010C		1	661866	LMH	EET BUF	03/16/23 19:05
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 13:15

Lab Chronicle

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Client Sample ID: SB-04-7.5-8

Date Collected: 03/10/23 13:33
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661477	JMM	EET BUF	03/14/23 15:36

Client Sample ID: SB-04-7.5-8

Date Collected: 03/10/23 13:33
Date Received: 03/10/23 15:00

Lab Sample ID: 480-206864-7

Matrix: Solid
Percent Solids: 72.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			661562	AXK	EET BUF	03/15/23 09:35
Total/NA	Analysis	8260C		1	661758	AXK	EET BUF	03/16/23 18:19
Total/NA	Prep	3550C			661484	SJM	EET BUF	03/14/23 15:59
Total/NA	Analysis	8270D		1	661565	JMM	EET BUF	03/16/23 01:44
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:14
Total/NA	Analysis	8082A		1	661827	W1T	EET BUF	03/17/23 10:46
Total/NA	Prep	3050B			661572	VAK	EET BUF	03/15/23 10:20
Total/NA	Analysis	6010C		1	661866	LMH	EET BUF	03/16/23 19:09
Total/NA	Prep	7471B			661635	VAK	EET BUF	03/16/23 09:43
Total/NA	Analysis	7471B		1	661771	NVK	EET BUF	03/16/23 13:16

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206864-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Asbestos & Environmental Consulting Corp
Job ID: 480-206864-1
Project/Site: 250 River Rd, N. Tonawanda, NY

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Asbestos & Environmental Consulting Corp
Project/Site: 250 River Rd, N. Tonawanda, NY

Job ID: 480-206864-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-206864-1	SB-08-SS	Solid	03/10/23 08:30	03/10/23 15:00
480-206864-2	SB-08-7-7.5	Solid	03/10/23 09:05	03/10/23 15:00
480-206864-3	SB-06-SS	Solid	03/10/23 10:55	03/10/23 15:00
480-206864-4	SB-06-3-4	Solid	03/10/23 11:04	03/10/23 15:00
480-206864-5	SB-04-SS	Solid	03/10/23 13:05	03/10/23 15:00
480-206864-6	SB-04-3.5-4	Solid	03/10/23 13:24	03/10/23 15:00
480-206864-7	SB-04-7.5-8	Solid	03/10/23 13:33	03/10/23 15:00

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt ______

Drinking Water? Yes ☐ No ☐

TestAmerica Syracuse #225

THE LEADER IN ENVIRONMENTAL TESTING

Client: AECC

Address: 6308 FLY RD

City: E. SYRACUSE State: NY Zip Code: 13057

Project Name and Location (State): 250 RIVER RD, N. TONAWANDA, NY

Contract/Purchase Order/Quote No.:

Project Manager: J. SAXTON

Telephone Number (Area Code)/Fax Number: 315 432 9400

Site Contact: G. FISCHER Lab Contact: B. FISCHER

Carrier/Waybill Number:

Date: 3/10/23

Lab Number:

Chain of Custody Number: 228624

Page 1 of 1

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH		8270D/8082A	6010C/7471B	8260C
SB-08-SS	3/10/23	8:30				X		2							X	X	
SB-08-7-7.5'	↓	9:05				X		2						4	X	X	X
SB-06-SS	↓	10:55				X		2							X	X	
SB-06-3-4'	↓	11:14				X		2						4	X	X	X
SB-04-SS	↓	13:05				X		2						4	X	X	X
SB-04-3.5-4'	↓	1324				X		2						4	X	X	X
SB-04-7.5-8'	↓	13:30				X		2						4	X	X	X

480-206864 Chain of Custody

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ______

QC Requirements (Specify):

1. Relinquished By: [signature]	Date: 3/10/23	Time:	1. Received By: [signature]	Date: 3/10/23	Time: 1500
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: Temp 2.3 #1 ICE

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Asbestos & Environmental Consulting Corp

Job Number: 480-206864-1

Login Number: 206864
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	T CORES FROZEN 3/10 @ 1510
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Attachment C

Laboratory Analysis Report, June 2023 Sampling Event

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

June 29, 2023

George Fischer
AECC Group
6308 Fly Road
East Syracuse, NY 13057

Project Location: 250 River Rd. N. Tonawanda
Client Job Number:
Project Number: 00140827 - AECC Group_Buffalo Soil Rush
Laboratory Work Order Number: 23F2950

Enclosed are results of analyses for samples as received by the laboratory on June 22, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

AECC Group
6308 Fly Road
East Syracuse, NY 13057
ATTN: George Fischer

REPORT DATE: 6/29/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00140827 - AECC Group_Buffalo Soil Rush

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23F2950

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 250 River Rd. N. Tonawanda

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS-01	23F2950-01	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270E	
SS-02	23F2950-02	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270E	
SS-03	23F2950-03	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270E	
SS-04	23F2950-04	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270E	
SS-05	23F2950-05	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270E	
SS-06	23F2950-06	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270E	
SS-07	23F2950-07	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270E	
SS-08	23F2950-08	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270E	
SS-09	23F2950-09	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270E	
SS-10	23F2950-10	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270E	

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AECC Group
6308 Fly Road
East Syracuse, NY 13057
ATTN: George Fischer

REPORT DATE: 6/29/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00140827 - AECC Group_Buffalo Soil Rush

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23F2950

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 250 River Rd. N. Tonawanda

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
DUP 6.21.23	23F2950-11	Soil		SM 2540G SW-846 6010D SW-846 7471B SW-846 8270E	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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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SW-846 6010D

Qualifications:

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aluminum
23F2950-01[SS-01], B344093-MS1, B344093-MSD1

Calcium
23F2950-01[SS-01], B344093-MS2, B344093-MSD2

Iron
23F2950-01[SS-01], B344093-MS2, B344093-MSD2

Magnesium
23F2950-01[SS-01], B344093-MS2, B344093-MSD2

Manganese
23F2950-01[SS-01], B344093-MS1, B344093-MSD1

Potassium
23F2950-01[SS-01], B344093-MS1, B344093-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Barium
B344093-MS1, B344093-MSD1

Chromium
B344093-MS1

Cobalt
B344093-MS1

Lead
B344093-MS1

Nickel
B344093-MS1, B344093-MSD1

Zinc
23F2950-01[SS-01], B344093-MS1, B344093-MSD1

Z-01

Matrix Spike and Matrix Spike Duplicate recoveries are outside of control limits. Analysis is in control based on Laboratory Fortified Blank and Post Digestion Spike recoveries.

Analyte & Samples(s) Qualified:

Antimony
23F2950-01[SS-01], B344093-MS1, B344093-MSD1

Thallium
23F2950-01[SS-01], B344093-MS1, B344093-MSD1

SW-846 7471B

Qualifications:

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Mercury
B344067-BS1, B344067-BSD1

SW-846 8270E

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
B344159-BS1, B344159-BSD1

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MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B344159-MS1, B344159-MSD1

3,3-Dichlorobenzidine
B344159-MS1, B344159-MSD1

4,6-Dinitro-2-methylphenol
B344159-MS1, B344159-MSD1

4-Chloroaniline
B344159-MS1, B344159-MSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
B344159-MS1, B344159-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Benzaldehyde
B344159-MS1

Hexachloroethane
B344159-MS1

Pentachlorophenol
B344159-MS1

MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Acetophenone
B344159-MSD1

Benzo(g,h,i)perylene
B344159-MS1

Dibenz(a,h)anthracene
B344159-MS1

Indeno(1,2,3-cd)pyrene
B344159-MS1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Acetophenone
23F2950-01[SS-01], B344159-MS1

Benzo(g,h,i)perylene
23F2950-01[SS-01], B344159-MSD1

Dibenz(a,h)anthracene
23F2950-01[SS-01], B344159-MSD1

Indeno(1,2,3-cd)pyrene
23F2950-01[SS-01], B344159-MSD1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

23F2950-06[SS-06], 23F2950-09[SS-09]

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S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
23F2950-04RE1[SS-04]

2-Fluorobiphenyl
23F2950-04RE1[SS-04]

2-Fluorophenol
23F2950-04RE1[SS-04]

Nitrobenzene-d5
23F2950-04RE1[SS-04]

Phenol-d6
23F2950-04RE1[SS-04]

p-Terphenyl-d14
23F2950-04RE1[SS-04]

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

Perylene-d12
23F2950-09RE1[SS-09]

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:

Bis(2-chloroisopropyl)ether
23F2950-01[SS-01], 23F2950-02[SS-02], 23F2950-03[SS-03], 23F2950-04[SS-04], 23F2950-05[SS-05], 23F2950-06[SS-06], 23F2950-07[SS-07], 23F2950-08[SS-08], 23F2950-09[SS-09], 23F2950-10[SS-10], 23F2950-11[DUP 6.21.23], B344159-BLK1, B344159-BS1, B344159-BSD1, B344159-MS1, B344159-MSD1, S089773-CCV1

Hexachlorocyclopentadiene
23F2950-01[SS-01], 23F2950-02[SS-02], 23F2950-03[SS-03], 23F2950-04[SS-04], 23F2950-05[SS-05], 23F2950-06[SS-06], 23F2950-07[SS-07], 23F2950-08[SS-08], 23F2950-09[SS-09], 23F2950-10[SS-10], 23F2950-11[DUP 6.21.23], B344159-BLK1, B344159-BS1, B344159-BSD1, B344159-MS1, B344159-MSD1, S089773-CCV1

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:

2,4-Dinitrotoluene
23F2950-01[SS-01], 23F2950-02[SS-02], 23F2950-03[SS-03], 23F2950-04[SS-04], 23F2950-05[SS-05], 23F2950-06[SS-06], 23F2950-07[SS-07], 23F2950-08[SS-08], 23F2950-09[SS-09], 23F2950-10[SS-10], 23F2950-11[DUP 6.21.23], B344159-BLK1, B344159-BS1, B344159-BSD1, B344159-MS1, B344159-MSD1, S089773-CCV1

4-Nitrophenol
23F2950-01[SS-01], 23F2950-02[SS-02], 23F2950-03[SS-03], 23F2950-04[SS-04], 23F2950-05[SS-05], 23F2950-06[SS-06], 23F2950-07[SS-07], 23F2950-08[SS-08], 23F2950-09[SS-09], 23F2950-10[SS-10], 23F2950-11[DUP 6.21.23], B344159-BLK1, B344159-BS1, B344159-BSD1, B344159-MS1, B344159-MSD1, S089773-CCV1

Acenaphthene
23F2950-01[SS-01], 23F2950-02[SS-02], 23F2950-03[SS-03], 23F2950-04[SS-04], 23F2950-05[SS-05], 23F2950-06[SS-06], 23F2950-07[SS-07], 23F2950-08[SS-08], 23F2950-09[SS-09], 23F2950-10[SS-10], 23F2950-11[DUP 6.21.23], B344159-BLK1, B344159-BS1, B344159-BSD1, B344159-MS1, B344159-MSD1, S089773-CCV1

Acetophenone
23F2950-01[SS-01], 23F2950-02[SS-02], 23F2950-03[SS-03], 23F2950-04[SS-04], 23F2950-05[SS-05], 23F2950-06[SS-06], 23F2950-07[SS-07], 23F2950-08[SS-08], 23F2950-09[SS-09], 23F2950-10[SS-10], 23F2950-11[DUP 6.21.23], B344159-BLK1, B344159-BS1, B344159-BSD1, B344159-MS1, B344159-MSD1, S089773-CCV1

N-Nitrosodi-n-propylamine
23F2950-01[SS-01], 23F2950-02[SS-02], 23F2950-03[SS-03], 23F2950-04[SS-04], 23F2950-05[SS-05], 23F2950-06[SS-06], 23F2950-07[SS-07], 23F2950-08[SS-08], 23F2950-09[SS-09], 23F2950-10[SS-10], 23F2950-11[DUP 6.21.23], B344159-BLK1, B344159-BS1, B344159-BSD1, B344159-MS1, B344159-MSD1, S089773-CCV1

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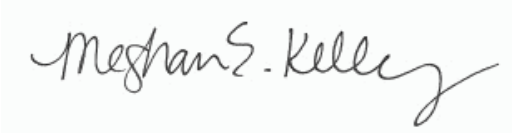
The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in 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.



Meghan E. Kelley
Reporting Specialist

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-01 | Sampled: 6/21/2023 09:04

Sample ID: 23F2950-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.71	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Benzaldehyde	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Biphenyl	ND	0.71	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Caprolactam	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Acenaphthene	ND	0.18	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Acetophenone	ND	0.36	mg/Kg dry	1	V-06, R-06	SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Benzo(a)anthracene	0.31	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Benzo(a)pyrene	0.39	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Benzo(b)fluoranthene	0.59	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Benzo(g,h,i)perylene	0.38	0.18	mg/Kg dry	1	R-06	SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Benzo(k)fluoranthene	0.22	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1	V-05	SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
4-Chloroaniline	ND	0.70	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
4-Chloro-3-methylphenol	ND	0.70	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
4-Chlorophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Chrysene	0.39	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1	R-06	SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2,4-Dinitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Di-n-octylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Fluoranthene	0.70	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Hexachlorocyclopentadiene	ND	0.36	mg/Kg dry	1	V-05	SW-846 8270E	6/23/23	6/27/23 14:18	AR2

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-01 | Sampled: 6/21/2023 09:04

Sample ID: 23F2950-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Indeno(1,2,3-cd)pyrene	0.37	0.18	mg/Kg dry	1	R-06	SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
3-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
4-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
4-Nitrophenol	ND	0.70	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 14:18	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
N-Nitrosodi-n-propylamine	ND	0.36	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Phenanthrene	0.32	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
Pyrene	0.63	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 14:18	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.7	30-130		6/27/23 14:18
Phenol-d6	55.8	30-130		6/27/23 14:18
Nitrobenzene-d5	65.3	30-130		6/27/23 14:18
2-Fluorobiphenyl	71.4	30-130		6/27/23 14:18
2,4,6-Tribromophenol	50.2	30-130		6/27/23 14:18
p-Terphenyl-d14	78.0	30-130		6/27/23 14:18

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-01 | Sampled: 6/21/2023 09:04

Sample ID: 23F2950-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	8700	18	mg/Kg dry	1	MS-19	SW-846 6010D	6/22/23	6/24/23 12:26	NC
Antimony	ND	1.8	mg/Kg dry	1	Z-01	SW-846 6010D	6/22/23	6/24/23 12:26	NC
Arsenic	4.0	3.5	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Barium	61	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Beryllium	0.73	0.18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Cadmium	ND	0.35	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Calcium	74000	350	mg/Kg dry	20	MS-19	SW-846 6010D	6/22/23	6/24/23 15:59	NC
Chromium	16	0.71	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Cobalt	4.1	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Copper	26	0.71	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Iron	30000	350	mg/Kg dry	20	MS-19	SW-846 6010D	6/22/23	6/24/23 15:59	NC
Lead	29	0.53	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Magnesium	24000	350	mg/Kg dry	20	MS-19	SW-846 6010D	6/22/23	6/24/23 15:59	NC
Manganese	380	0.35	mg/Kg dry	1	MS-19	SW-846 6010D	6/22/23	6/24/23 12:26	NC
Mercury	0.038	0.028	mg/Kg dry	1		SW-846 7471B	6/22/23	6/23/23 9:12	AAJ
Nickel	12	0.71	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Potassium	1400	180	mg/Kg dry	1	MS-19	SW-846 6010D	6/22/23	6/24/23 12:26	NC
Selenium	ND	3.5	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Silver	ND	0.35	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Sodium	ND	180	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Thallium	ND	1.8	mg/Kg dry	1	Z-01	SW-846 6010D	6/22/23	6/24/23 12:26	NC
Vanadium	17	0.71	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:26	NC
Zinc	100	0.71	mg/Kg dry	1	MS-22	SW-846 6010D	6/22/23	6/24/23 12:26	NC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-01 | Sampled: 6/21/2023 09:04

Sample ID: 23F2950-01

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	94.0		% Wt	1		SM 2540G	6/22/23	6/22/23 12:23	WDC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-02 | Sampled: 6/21/2023 09:30

Sample ID: 23F2950-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	2.9	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Benzaldehyde	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Biphenyl	ND	2.9	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Caprolactam	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Acenaphthene	ND	0.74	mg/Kg dry	4	V-06	SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Acenaphthylene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Acetophenone	ND	1.5	mg/Kg dry	4	V-06	SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Anthracene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Benzo(a)anthracene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Benzo(a)pyrene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Benzo(b)fluoranthene	1.2	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Benzo(g,h,i)perylene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Benzo(k)fluoranthene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	4	V-05	SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Butylbenzylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Carbazole	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
4-Chloroaniline	ND	2.9	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2-Chloronaphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2-Chlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Chrysene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Dibenz(a,h)anthracene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Dibenzofuran	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Di-n-butylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
3,3-Dichlorobenzidine	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Diethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Dimethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	4	V-06	SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Di-n-octylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Fluoranthene	1.7	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Fluorene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Hexachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Hexachlorobutadiene	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	4	V-05	SW-846 8270E	6/23/23	6/27/23 13:30	AR2

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-02 | Sampled: 6/21/2023 09:30

Sample ID: 23F2950-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Indeno(1,2,3-cd)pyrene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Isophorone	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2-Methylnaphthalene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
3/4-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Naphthalene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
3-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
4-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Nitrobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2-Nitrophenol	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
4-Nitrophenol	ND	2.9	mg/Kg dry	4	V-06	SW-846 8270E	6/23/23	6/27/23 13:30	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	4	V-06	SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Pentachlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Phenanthrene	ND	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Phenol	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
Pyrene	1.2	0.74	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 13:30	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.0	30-130		6/27/23 13:30
Phenol-d6	54.4	30-130		6/27/23 13:30
Nitrobenzene-d5	59.6	30-130		6/27/23 13:30
2-Fluorobiphenyl	59.2	30-130		6/27/23 13:30
2,4,6-Tribromophenol	33.4	30-130		6/27/23 13:30
p-Terphenyl-d14	66.8	30-130		6/27/23 13:30

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-02 | Sampled: 6/21/2023 09:30

Sample ID: 23F2950-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	10000	17	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Antimony	ND	1.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Arsenic	ND	3.5	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Barium	110	1.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Beryllium	1.5	0.17	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Cadmium	0.67	0.35	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Calcium	160000	350	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:06	NC
Chromium	13	0.70	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Cobalt	2.3	1.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Copper	18	0.70	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Iron	11000	17	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Lead	63	0.52	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Magnesium	40000	350	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:06	NC
Manganese	920	0.35	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Mercury	0.045	0.027	mg/Kg dry	1		SW-846 7471B	6/22/23	6/23/23 9:14	AAJ
Nickel	8.8	0.70	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Potassium	1500	170	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Selenium	ND	3.5	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Silver	ND	0.35	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Sodium	1300	170	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Thallium	ND	1.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Vanadium	14	0.70	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC
Zinc	140	0.70	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:32	NC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-02 | Sampled: 6/21/2023 09:30

Sample ID: 23F2950-02

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	92.0		% Wt	1		SM 2540G	6/22/23	6/22/23 12:23	WDC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-03 | Sampled: 6/21/2023 09:40

Sample ID: 23F2950-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.72	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Benzaldehyde	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Biphenyl	ND	0.72	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Caprolactam	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Acenaphthene	ND	0.18	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Acetophenone	ND	0.36	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Anthracene	0.30	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Benzo(a)anthracene	0.61	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Benzo(a)pyrene	0.60	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Benzo(b)fluoranthene	0.87	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Benzo(g,h,i)perylene	0.40	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Benzo(k)fluoranthene	0.38	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1	V-05	SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Bis(2-Ethylhexyl)phthalate	8.8	1.5	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 18:07	AR2
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
4-Chloro-3-methylphenol	ND	0.71	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
4-Chlorophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Chrysene	0.72	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Di-n-butylphthalate	0.54	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Di-n-octylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Fluoranthene	1.6	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Hexachlorocyclopentadiene	ND	0.36	mg/Kg dry	1	V-05	SW-846 8270E	6/23/23	6/27/23 13:54	AR2

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-03 | Sampled: 6/21/2023 09:40

Sample ID: 23F2950-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Indeno(1,2,3-cd)pyrene	0.40	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2-Methylnaphthalene	0.56	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Naphthalene	0.36	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
3-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
4-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
4-Nitrophenol	ND	0.71	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 13:54	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
N-Nitrosodi-n-propylamine	ND	0.36	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Phenanthrene	1.4	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
Pyrene	1.2	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 13:54	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	36.3	30-130		6/27/23 13:54
2-Fluorophenol	38.2	30-130		6/27/23 18:07
Phenol-d6	42.5	30-130		6/27/23 13:54
Phenol-d6	47.5	30-130		6/27/23 18:07
Nitrobenzene-d5	50.4	30-130		6/27/23 13:54
Nitrobenzene-d5	56.3	30-130		6/27/23 18:07
2-Fluorobiphenyl	54.9	30-130		6/27/23 13:54
2-Fluorobiphenyl	61.1	30-130		6/27/23 18:07
2,4,6-Tribromophenol	33.6	30-130		6/27/23 13:54
2,4,6-Tribromophenol	32.6	30-130		6/27/23 18:07
p-Terphenyl-d14	52.0	30-130		6/27/23 13:54
p-Terphenyl-d14	65.7	30-130		6/27/23 18:07

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-03 | Sampled: 6/21/2023 09:40

Sample ID: 23F2950-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	10000	17	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Antimony	ND	1.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Arsenic	7.0	3.4	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Barium	190	1.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Beryllium	0.83	0.17	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Cadmium	0.45	0.34	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Calcium	34000	340	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:13	NC
Chromium	17	0.68	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Cobalt	6.4	1.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Copper	33	0.68	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Iron	23000	340	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:13	NC
Lead	90	0.51	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Magnesium	8000	340	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:13	NC
Manganese	730	0.34	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Mercury	0.10	0.027	mg/Kg dry	1		SW-846 7471B	6/22/23	6/23/23 9:16	AAJ
Nickel	19	0.68	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Potassium	1500	170	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Selenium	ND	3.4	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Silver	ND	0.34	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Sodium	ND	170	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Thallium	ND	1.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Vanadium	20	0.68	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC
Zinc	110	0.68	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:38	NC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-03 | Sampled: 6/21/2023 09:40

Sample ID: 23F2950-03

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	93.3		% Wt	1		SM 2540G	6/22/23	6/22/23 12:23	WDC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-04 | Sampled: 6/21/2023 09:50

Sample ID: 23F2950-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Benzaldehyde	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Biphenyl	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Caprolactam	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Acenaphthene	1.2	0.38	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Acenaphthylene	ND	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Acetophenone	ND	0.77	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Anthracene	4.0	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Benzo(a)anthracene	13	3.8	mg/Kg dry	20		SW-846 8270E	6/23/23	6/28/23 9:07	AR2
Benzo(a)pyrene	13	3.8	mg/Kg dry	20		SW-846 8270E	6/23/23	6/28/23 9:07	AR2
Benzo(b)fluoranthene	18	3.8	mg/Kg dry	20		SW-846 8270E	6/23/23	6/28/23 9:07	AR2
Benzo(g,h,i)perylene	8.1	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Benzo(k)fluoranthene	6.2	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Bis(2-chloroethoxy)methane	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Bis(2-chloroethyl)ether	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Bis(2-chloroisopropyl)ether	ND	0.77	mg/Kg dry	2	V-05	SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
4-Bromophenylphenylether	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Butylbenzylphthalate	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Carbazole	2.3	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
4-Chloroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
4-Chloro-3-methylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2-Chloronaphthalene	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2-Chlorophenol	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
4-Chlorophenylphenylether	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Chrysene	14	3.8	mg/Kg dry	20		SW-846 8270E	6/23/23	6/28/23 9:07	AR2
Dibenz(a,h)anthracene	0.57	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Dibenzofuran	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Di-n-butylphthalate	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
3,3-Dichlorobenzidine	ND	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2,4-Dichlorophenol	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Diethylphthalate	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2,4-Dimethylphenol	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Dimethylphthalate	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
4,6-Dinitro-2-methylphenol	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2,4-Dinitrotoluene	ND	0.77	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2,6-Dinitrotoluene	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Di-n-octylphthalate	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Fluoranthene	38	3.8	mg/Kg dry	20		SW-846 8270E	6/23/23	6/28/23 9:07	AR2
Fluorene	1.5	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Hexachlorobenzene	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Hexachlorobutadiene	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Hexachlorocyclopentadiene	ND	0.77	mg/Kg dry	2	V-05	SW-846 8270E	6/23/23	6/27/23 14:53	AR2

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-04 | Sampled: 6/21/2023 09:50

Sample ID: 23F2950-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Indeno(1,2,3-cd)pyrene	8.7	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Isophorone	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2-Methylnaphthalene	ND	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2-Methylphenol	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
3/4-Methylphenol	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Naphthalene	ND	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2-Nitroaniline	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
3-Nitroaniline	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
4-Nitroaniline	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Nitrobenzene	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2-Nitrophenol	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
4-Nitrophenol	ND	1.5	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 14:53	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
N-Nitrosodi-n-propylamine	ND	0.77	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Pentachlorophenol	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Phenanthrene	22	3.8	mg/Kg dry	20		SW-846 8270E	6/23/23	6/28/23 9:07	AR2
Phenol	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
Pyrene	29	3.8	mg/Kg dry	20		SW-846 8270E	6/23/23	6/28/23 9:07	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2,4,5-Trichlorophenol	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2
2,4,6-Trichlorophenol	ND	0.77	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 14:53	AR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	48.2		30-130		6/27/23 14:53
2-Fluorophenol		*	30-130	S-01	6/28/23 9:07
Phenol-d6	54.5		30-130		6/27/23 14:53
Phenol-d6		*	30-130	S-01	6/28/23 9:07
Nitrobenzene-d5	59.1		30-130		6/27/23 14:53
Nitrobenzene-d5		*	30-130	S-01	6/28/23 9:07
2-Fluorobiphenyl	61.2		30-130		6/27/23 14:53
2-Fluorobiphenyl		*	30-130	S-01	6/28/23 9:07
2,4,6-Tribromophenol	44.0		30-130		6/27/23 14:53
2,4,6-Tribromophenol		*	30-130	S-01	6/28/23 9:07
p-Terphenyl-d14	74.8		30-130		6/27/23 14:53
p-Terphenyl-d14		*	30-130	S-01	6/28/23 9:07

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-04 | Sampled: 6/21/2023 09:50

Sample ID: 23F2950-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	6800	18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Antimony	ND	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Arsenic	ND	3.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Barium	67	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Beryllium	0.72	0.18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Cadmium	0.46	0.37	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Calcium	180000	370	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:19	NC
Chromium	15	0.74	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Cobalt	2.6	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Copper	37	0.74	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Iron	9700	18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Lead	110	0.55	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Magnesium	27000	370	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:19	NC
Manganese	610	0.37	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	6/22/23	6/23/23 9:17	AAJ
Nickel	11	0.74	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Potassium	1100	180	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Selenium	ND	3.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Silver	ND	0.37	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Sodium	1300	180	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Thallium	ND	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Vanadium	16	0.74	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC
Zinc	130	0.74	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 12:45	NC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-04 | Sampled: 6/21/2023 09:50

Sample ID: 23F2950-04

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	88.7		% Wt	1		SM 2540G	6/22/23	6/22/23 12:23	WDC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-05 | Sampled: 6/21/2023 09:56

Sample ID: 23F2950-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.74	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Benzaldehyde	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Biphenyl	ND	0.74	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Caprolactam	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Acenaphthene	ND	0.19	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Acetophenone	ND	0.38	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Benzo(a)anthracene	0.37	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Benzo(a)pyrene	0.42	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Benzo(b)fluoranthene	0.63	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Benzo(g,h,i)perylene	0.40	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Benzo(k)fluoranthene	0.22	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1	V-05	SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Chrysene	0.45	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Fluoranthene	0.71	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1	V-05	SW-846 8270E	6/23/23	6/27/23 15:17	AR2

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-05 | Sampled: 6/21/2023 09:56

Sample ID: 23F2950-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Indeno(1,2,3-cd)pyrene	0.33	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2-Methylnaphthalene	0.75	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Naphthalene	0.56	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
4-Nitrophenol	ND	0.73	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 15:17	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Phenanthrene	0.51	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
Pyrene	0.78	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 15:17	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.7	30-130		6/27/23 15:17
Phenol-d6	57.1	30-130		6/27/23 15:17
Nitrobenzene-d5	68.2	30-130		6/27/23 15:17
2-Fluorobiphenyl	71.1	30-130		6/27/23 15:17
2,4,6-Tribromophenol	36.8	30-130		6/27/23 15:17
p-Terphenyl-d14	93.1	30-130		6/27/23 15:17

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-05 | Sampled: 6/21/2023 09:56

Sample ID: 23F2950-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	8000	18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Antimony	ND	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Arsenic	5.2	3.6	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Barium	310	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Beryllium	0.79	0.18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Cadmium	1.0	0.36	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Calcium	100000	360	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:26	NC
Chromium	16	0.72	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Cobalt	3.9	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Copper	28	0.72	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Iron	15000	18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Lead	48	0.54	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Magnesium	27000	360	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:26	NC
Manganese	1800	0.36	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Mercury	0.22	0.027	mg/Kg dry	1		SW-846 7471B	6/22/23	6/23/23 9:19	AAJ
Nickel	19	0.72	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Potassium	840	180	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Selenium	ND	3.6	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Silver	ND	0.36	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Sodium	240	180	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Thallium	ND	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Vanadium	14	0.72	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC
Zinc	360	0.72	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:08	NC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-05 | Sampled: 6/21/2023 09:56

Sample ID: 23F2950-05

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	90.2		% Wt	1		SM 2540G	6/22/23	6/22/23 12:23	WDC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-06 | Sampled: 6/21/2023 10:02

Sample ID: 23F2950-06

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Benzaldehyde	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Biphenyl	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Caprolactam	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Acenaphthene	ND	0.39	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Acenaphthylene	ND	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Acetophenone	ND	0.78	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Anthracene	0.88	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Benzo(a)anthracene	2.8	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Benzo(a)pyrene	3.2	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Benzo(b)fluoranthene	4.4	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Benzo(g,h,i)perylene	1.9	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Benzo(k)fluoranthene	1.8	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Bis(2-chloroethoxy)methane	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Bis(2-chloroethyl)ether	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Bis(2-chloroisopropyl)ether	ND	0.78	mg/Kg dry	2	V-05	SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Bis(2-Ethylhexyl)phthalate	7.0	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
4-Bromophenylphenylether	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Butylbenzylphthalate	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Carbazole	0.53	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
4-Chloroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
4-Chloro-3-methylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2-Chloronaphthalene	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2-Chlorophenol	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
4-Chlorophenylphenylether	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Chrysene	3.0	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Dibenz(a,h)anthracene	0.43	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Dibenzofuran	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Di-n-butylphthalate	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
3,3-Dichlorobenzidine	ND	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2,4-Dichlorophenol	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Diethylphthalate	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2,4-Dimethylphenol	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Dimethylphthalate	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
4,6-Dinitro-2-methylphenol	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2,4-Dinitrotoluene	ND	0.78	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2,6-Dinitrotoluene	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Di-n-octylphthalate	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Fluoranthene	6.4	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Fluorene	ND	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Hexachlorobenzene	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Hexachlorobutadiene	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Hexachlorocyclopentadiene	ND	0.78	mg/Kg dry	2	V-05	SW-846 8270E	6/23/23	6/27/23 15:42	AR2

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-06 | Sampled: 6/21/2023 10:02

Sample ID: 23F2950-06

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Indeno(1,2,3-cd)pyrene	2.1	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Isophorone	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2-Methylnaphthalene	ND	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2-Methylphenol	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
3/4-Methylphenol	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Naphthalene	ND	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2-Nitroaniline	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
3-Nitroaniline	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
4-Nitroaniline	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Nitrobenzene	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2-Nitrophenol	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
4-Nitrophenol	ND	1.5	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 15:42	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
N-Nitrosodi-n-propylamine	ND	0.78	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Pentachlorophenol	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Phenanthrene	4.3	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Phenol	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
Pyrene	5.8	0.39	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2,4,5-Trichlorophenol	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2
2,4,6-Trichlorophenol	ND	0.78	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 15:42	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	42.1	30-130		6/27/23 15:42
Phenol-d6	46.6	30-130		6/27/23 15:42
Nitrobenzene-d5	52.5	30-130		6/27/23 15:42
2-Fluorobiphenyl	55.5	30-130		6/27/23 15:42
2,4,6-Tribromophenol	36.2	30-130		6/27/23 15:42
p-Terphenyl-d14	57.9	30-130		6/27/23 15:42

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-06 | Sampled: 6/21/2023 10:02

Sample ID: 23F2950-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	9600	19	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Arsenic	4.2	3.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Barium	92	1.9	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Beryllium	0.74	0.19	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Cadmium	0.92	0.38	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Calcium	170000	380	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:33	NC
Chromium	25	0.76	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Cobalt	4.0	1.9	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Copper	44	0.76	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Iron	14000	19	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Lead	110	0.57	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Magnesium	45000	380	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:33	NC
Manganese	660	0.38	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Mercury	0.054	0.029	mg/Kg dry	1		SW-846 7471B	6/22/23	6/23/23 9:25	AAJ
Nickel	34	0.76	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Potassium	1600	190	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Selenium	ND	3.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Silver	ND	0.38	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Sodium	370	190	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Vanadium	23	0.76	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC
Zinc	250	0.76	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:14	NC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-06 | Sampled: 6/21/2023 10:02

Sample ID: 23F2950-06

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	87.3		% Wt	1		SM 2540G	6/22/23	6/22/23 12:23	WDC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-07 | Sampled: 6/21/2023 10:08

Sample ID: 23F2950-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.76	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Benzaldehyde	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Biphenyl	ND	0.76	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Caprolactam	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Acenaphthene	ND	0.19	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Acetophenone	ND	0.39	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Benzo(a)anthracene	0.42	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Benzo(a)pyrene	0.47	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Benzo(b)fluoranthene	0.68	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Benzo(g,h,i)perylene	0.39	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Benzo(k)fluoranthene	0.27	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1	V-05	SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Chrysene	0.43	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Di-n-octylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Fluoranthene	0.71	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1	V-05	SW-846 8270E	6/23/23	6/27/23 16:06	AR2

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-07 | Sampled: 6/21/2023 10:08

Sample ID: 23F2950-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Indeno(1,2,3-cd)pyrene	0.36	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
4-Nitrophenol	ND	0.75	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 16:06	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Phenanthrene	0.32	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
Pyrene	0.72	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 16:06	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	58.0	30-130		6/27/23 16:06
Phenol-d6	64.7	30-130		6/27/23 16:06
Nitrobenzene-d5	72.8	30-130		6/27/23 16:06
2-Fluorobiphenyl	80.6	30-130		6/27/23 16:06
2,4,6-Tribromophenol	54.5	30-130		6/27/23 16:06
p-Terphenyl-d14	86.7	30-130		6/27/23 16:06

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-07 | Sampled: 6/21/2023 10:08

Sample ID: 23F2950-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	7300	19	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Arsenic	ND	3.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Barium	72	1.9	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Beryllium	0.63	0.19	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Cadmium	ND	0.37	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Calcium	120000	370	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:52	NC
Chromium	13	0.75	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Cobalt	3.7	1.9	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Copper	17	0.75	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Iron	11000	19	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Lead	16	0.56	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Magnesium	17000	370	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:52	NC
Manganese	880	0.37	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Mercury	0.029	0.028	mg/Kg dry	1		SW-846 7471B	6/22/23	6/23/23 9:27	AAJ
Nickel	12	0.75	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Potassium	1300	190	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Selenium	ND	3.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Silver	ND	0.37	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Sodium	ND	190	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Vanadium	17	0.75	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC
Zinc	50	0.75	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:20	NC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-07 | Sampled: 6/21/2023 10:08

Sample ID: 23F2950-07

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	88.0		% Wt	1		SM 2540G	6/22/23	6/22/23 12:23	WDC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-08 | Sampled: 6/21/2023 10:14

Sample ID: 23F2950-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	1.4	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Benzaldehyde	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Biphenyl	ND	1.4	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Caprolactam	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Acenaphthene	ND	0.36	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Acenaphthylene	ND	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Acetophenone	ND	0.72	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Anthracene	ND	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Benzo(a)anthracene	0.54	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Benzo(a)pyrene	0.65	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Benzo(b)fluoranthene	0.91	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Benzo(g,h,i)perylene	0.60	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Benzo(k)fluoranthene	0.37	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Bis(2-chloroethoxy)methane	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Bis(2-chloroethyl)ether	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Bis(2-chloroisopropyl)ether	ND	0.72	mg/Kg dry	2	V-05	SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
4-Bromophenylphenylether	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Butylbenzylphthalate	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Carbazole	ND	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
4-Chloroaniline	ND	1.4	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
4-Chloro-3-methylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2-Chloronaphthalene	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2-Chlorophenol	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
4-Chlorophenylphenylether	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Chrysene	0.63	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Dibenz(a,h)anthracene	ND	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Dibenzofuran	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Di-n-butylphthalate	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
3,3-Dichlorobenzidine	ND	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2,4-Dichlorophenol	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Diethylphthalate	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2,4-Dimethylphenol	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Dimethylphthalate	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
4,6-Dinitro-2-methylphenol	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2,4-Dinitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2,4-Dinitrotoluene	ND	0.72	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2,6-Dinitrotoluene	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Di-n-octylphthalate	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Fluoranthene	1.1	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Fluorene	ND	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Hexachlorobenzene	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Hexachlorobutadiene	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Hexachlorocyclopentadiene	ND	0.72	mg/Kg dry	2	V-05	SW-846 8270E	6/23/23	6/27/23 16:30	AR2

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-08 | Sampled: 6/21/2023 10:14

Sample ID: 23F2950-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Indeno(1,2,3-cd)pyrene	0.51	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Isophorone	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2-Methylnaphthalene	ND	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2-Methylphenol	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
3/4-Methylphenol	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Naphthalene	ND	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2-Nitroaniline	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
3-Nitroaniline	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
4-Nitroaniline	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Nitrobenzene	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2-Nitrophenol	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
4-Nitrophenol	ND	1.4	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 16:30	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
N-Nitrosodi-n-propylamine	ND	0.72	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Pentachlorophenol	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Phenanthrene	0.65	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Phenol	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
Pyrene	1.1	0.36	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2,4,5-Trichlorophenol	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2
2,4,6-Trichlorophenol	ND	0.72	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:30	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	36.6	30-130		6/27/23 16:30
Phenol-d6	40.1	30-130		6/27/23 16:30
Nitrobenzene-d5	44.6	30-130		6/27/23 16:30
2-Fluorobiphenyl	46.5	30-130		6/27/23 16:30
2,4,6-Tribromophenol	31.2	30-130		6/27/23 16:30
p-Terphenyl-d14	49.7	30-130		6/27/23 16:30

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-08 | Sampled: 6/21/2023 10:14

Sample ID: 23F2950-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	3800	18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Antimony	ND	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Arsenic	ND	3.5	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Barium	33	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Beryllium	0.40	0.18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Cadmium	0.45	0.35	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Calcium	230000	350	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:59	NC
Chromium	8.7	0.70	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Cobalt	1.8	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Copper	16	0.70	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Iron	6800	18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Lead	43	0.53	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Magnesium	56000	350	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 16:59	NC
Manganese	470	0.35	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Mercury	0.041	0.026	mg/Kg dry	1		SW-846 7471B	6/22/23	6/23/23 9:29	AAJ
Nickel	8.1	0.70	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Potassium	820	180	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Selenium	ND	3.5	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Silver	ND	0.35	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Sodium	260	180	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Thallium	ND	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Vanadium	16	0.70	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC
Zinc	140	0.70	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:27	NC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-08 | Sampled: 6/21/2023 10:14

Sample ID: 23F2950-08

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	95.0		% Wt	1		SM 2540G	6/22/23	6/22/23 12:23	WDC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-09 | Sampled: 6/21/2023 10:20

Sample ID: 23F2950-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Benzaldehyde	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Biphenyl	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Caprolactam	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Acenaphthene	ND	0.38	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Acenaphthylene	ND	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Acetophenone	ND	0.76	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Anthracene	0.43	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Benzo(a)anthracene	2.9	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Benzo(a)pyrene	3.6	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Benzo(b)fluoranthene	6.5	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Benzo(g,h,i)perylene	2.0	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Benzo(k)fluoranthene	2.4	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Bis(2-chloroethoxy)methane	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Bis(2-chloroethyl)ether	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Bis(2-chloroisopropyl)ether	ND	0.76	mg/Kg dry	2	V-05	SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Bis(2-Ethylhexyl)phthalate	5.1	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
4-Bromophenylphenylether	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Butylbenzylphthalate	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Carbazole	0.92	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
4-Chloroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
4-Chloro-3-methylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2-Chloronaphthalene	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2-Chlorophenol	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
4-Chlorophenylphenylether	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Chrysene	4.4	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Dibenz(a,h)anthracene	0.56	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Dibenzofuran	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Di-n-butylphthalate	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
3,3-Dichlorobenzidine	ND	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2,4-Dichlorophenol	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Diethylphthalate	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2,4-Dimethylphenol	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Dimethylphthalate	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
4,6-Dinitro-2-methylphenol	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2,4-Dinitrotoluene	ND	0.76	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2,6-Dinitrotoluene	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Di-n-octylphthalate	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Fluoranthene	9.3	0.76	mg/Kg dry	4		SW-846 8270E	6/23/23	6/27/23 19:44	AR2
Fluorene	ND	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Hexachlorobenzene	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Hexachlorobutadiene	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Hexachlorocyclopentadiene	ND	0.76	mg/Kg dry	2	V-05	SW-846 8270E	6/23/23	6/27/23 16:55	AR2

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-09 | Sampled: 6/21/2023 10:20

Sample ID: 23F2950-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Indeno(1,2,3-cd)pyrene	2.4	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Isophorone	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2-Methylnaphthalene	0.60	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2-Methylphenol	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
3/4-Methylphenol	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Naphthalene	0.39	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2-Nitroaniline	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
3-Nitroaniline	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
4-Nitroaniline	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Nitrobenzene	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2-Nitrophenol	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
4-Nitrophenol	ND	1.5	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 16:55	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
N-Nitrosodi-n-propylamine	ND	0.76	mg/Kg dry	2	V-06	SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Pentachlorophenol	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Phenanthrene	6.0	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Phenol	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
Pyrene	7.7	0.38	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2,4,5-Trichlorophenol	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2
2,4,6-Trichlorophenol	ND	0.76	mg/Kg dry	2		SW-846 8270E	6/23/23	6/27/23 16:55	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	43.5	30-130		6/27/23 16:55
2-Fluorophenol	44.7	30-130		6/27/23 19:44
Phenol-d6	48.4	30-130		6/27/23 16:55
Phenol-d6	50.8	30-130		6/27/23 19:44
Nitrobenzene-d5	57.5	30-130		6/27/23 16:55
Nitrobenzene-d5	59.5	30-130		6/27/23 19:44
2-Fluorobiphenyl	58.9	30-130		6/27/23 16:55
2-Fluorobiphenyl	60.8	30-130		6/27/23 19:44
2,4,6-Tribromophenol	37.5	30-130		6/27/23 16:55
2,4,6-Tribromophenol	40.1	30-130		6/27/23 19:44
p-Terphenyl-d14	56.0	30-130		6/27/23 16:55
p-Terphenyl-d14	62.7	30-130		6/27/23 19:44

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-09 | Sampled: 6/21/2023 10:20

Sample ID: 23F2950-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	8500	19	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Antimony	ND	1.9	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Arsenic	9.8	3.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Barium	120	1.9	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Beryllium	1.1	0.19	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Cadmium	0.96	0.37	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Calcium	120000	370	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 17:06	NC
Chromium	21	0.75	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Cobalt	4.2	1.9	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Copper	55	0.75	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Iron	37000	370	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 17:06	NC
Lead	150	0.56	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Magnesium	31000	370	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 17:06	NC
Manganese	720	0.37	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Mercury	0.089	0.028	mg/Kg dry	1		SW-846 7471B	6/22/23	6/23/23 9:31	AAJ
Nickel	18	0.75	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Potassium	1100	190	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Selenium	ND	3.7	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Silver	ND	0.37	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Sodium	290	190	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Thallium	ND	1.9	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Vanadium	18	0.75	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC
Zinc	190	0.75	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:33	NC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-09 | Sampled: 6/21/2023 10:20

Sample ID: 23F2950-09

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	89.0		% Wt	1		SM 2540G	6/22/23	6/22/23 12:23	WDC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-10 | Sampled: 6/21/2023 10:30

Sample ID: 23F2950-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.72	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Benzaldehyde	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Biphenyl	ND	0.72	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Caprolactam	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Acenaphthene	ND	0.18	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Acetophenone	ND	0.37	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Benzo(a)anthracene	1.0	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Benzo(a)pyrene	1.2	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Benzo(b)fluoranthene	1.9	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Benzo(g,h,i)perylene	1.0	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Benzo(k)fluoranthene	0.79	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1	V-05	SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Bis(2-Ethylhexyl)phthalate	0.62	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
4-Chloro-3-methylphenol	ND	0.71	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Chrysene	1.1	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Dibenz(a,h)anthracene	0.23	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Di-n-octylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Fluoranthene	1.8	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1	V-05	SW-846 8270E	6/23/23	6/27/23 17:19	AR2

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-10 | Sampled: 6/21/2023 10:30

Sample ID: 23F2950-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Indeno(1,2,3-cd)pyrene	0.98	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
4-Nitrophenol	ND	0.71	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 17:19	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Phenanthrene	0.68	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
Pyrene	1.6	0.18	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:19	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	57.6	30-130		6/27/23 17:19
Phenol-d6	62.2	30-130		6/27/23 17:19
Nitrobenzene-d5	70.2	30-130		6/27/23 17:19
2-Fluorobiphenyl	76.7	30-130		6/27/23 17:19
2,4,6-Tribromophenol	52.6	30-130		6/27/23 17:19
p-Terphenyl-d14	74.6	30-130		6/27/23 17:19

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-10 | Sampled: 6/21/2023 10:30

Sample ID: 23F2950-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	8200	18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Antimony	ND	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Arsenic	4.0	3.6	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Barium	72	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Beryllium	0.95	0.18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Cadmium	0.47	0.36	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Calcium	210000	360	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 17:12	NC
Chromium	15	0.72	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Cobalt	2.6	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Copper	25	0.72	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Iron	10000	18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Lead	57	0.54	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Magnesium	44000	360	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 17:12	NC
Manganese	560	0.36	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Mercury	0.045	0.028	mg/Kg dry	1		SW-846 7471B	6/22/23	6/23/23 9:33	AAJ
Nickel	10	0.72	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Potassium	1300	180	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Selenium	ND	3.6	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Silver	ND	0.36	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Sodium	540	180	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Thallium	ND	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Vanadium	14	0.72	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC
Zinc	110	0.72	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:39	NC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: SS-10 | Sampled: 6/21/2023 10:30

Sample ID: 23F2950-10

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	92.4		% Wt	1		SM 2540G	6/22/23	6/22/23 12:23	WDC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: DUP 6.21.23 | Sampled: 6/21/2023 00:00

Sample ID: 23F2950-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Atrazine	ND	0.76	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Benzaldehyde	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Biphenyl	ND	0.76	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Caprolactam	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Acenaphthene	ND	0.19	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Acetophenone	ND	0.38	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Benzo(a)anthracene	0.30	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Benzo(a)pyrene	0.23	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Benzo(b)fluoranthene	0.52	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Benzo(g,h,i)perylene	0.48	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Benzo(k)fluoranthene	0.21	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1	V-05	SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Chrysene	0.37	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Fluoranthene	0.68	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1	V-05	SW-846 8270E	6/23/23	6/27/23 17:43	AR2

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: DUP 6.21.23 | Sampled: 6/21/2023 00:00

Sample ID: 23F2950-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Indeno(1,2,3-cd)pyrene	0.42	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
4-Nitrophenol	ND	0.75	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 17:43	AR2
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1	V-06	SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Phenanthrene	0.36	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
Pyrene	0.60	0.19	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270E	6/23/23	6/27/23 17:43	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.8	30-130		6/27/23 17:43
Phenol-d6	57.1	30-130		6/27/23 17:43
Nitrobenzene-d5	62.0	30-130		6/27/23 17:43
2-Fluorobiphenyl	75.0	30-130		6/27/23 17:43
2,4,6-Tribromophenol	53.4	30-130		6/27/23 17:43
p-Terphenyl-d14	83.5	30-130		6/27/23 17:43

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: DUP 6.21.23 | Sampled: 6/21/2023 00:00

Sample ID: 23F2950-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	13000	18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Antimony	ND	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Arsenic	4.1	3.5	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Barium	100	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Beryllium	0.78	0.18	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Cadmium	ND	0.35	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Calcium	35000	350	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 17:19	NC
Chromium	17	0.71	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Cobalt	5.7	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Copper	25	0.71	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Iron	27000	350	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 17:19	NC
Lead	23	0.53	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Magnesium	16000	350	mg/Kg dry	20		SW-846 6010D	6/22/23	6/24/23 17:19	NC
Manganese	280	0.35	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Mercury	0.039	0.029	mg/Kg dry	1		SW-846 7471B	6/22/23	6/23/23 9:35	AAJ
Nickel	16	0.71	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Potassium	1600	180	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Selenium	ND	3.5	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Silver	ND	0.35	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Sodium	ND	180	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Thallium	ND	1.8	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Vanadium	22	0.71	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC
Zinc	100	0.71	mg/Kg dry	1		SW-846 6010D	6/22/23	6/24/23 13:45	NC

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Project Location: 250 River Rd. N. Tonawanda | Sample Description: | Work Order: 23F2950

Date Received: 6/22/2023

Field Sample #: DUP 6.21.23 | Sampled: 6/21/2023 00:00

Sample ID: 23F2950-11

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	88.5		% Wt	1		SM 2540G	6/22/23	6/22/23 12:23	WDC

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Sample Extraction Data

Prep Method:% Solids **Analytical Method:SM 2540G**

Lab Number [Field ID]	Batch	Date
23F2950-01 [SS-01]	B344084	06/22/23
23F2950-02 [SS-02]	B344084	06/22/23
23F2950-03 [SS-03]	B344084	06/22/23
23F2950-04 [SS-04]	B344084	06/22/23
23F2950-05 [SS-05]	B344084	06/22/23
23F2950-06 [SS-06]	B344084	06/22/23
23F2950-07 [SS-07]	B344084	06/22/23
23F2950-08 [SS-08]	B344084	06/22/23
23F2950-09 [SS-09]	B344084	06/22/23
23F2950-10 [SS-10]	B344084	06/22/23
23F2950-11 [DUP 6.21.23]	B344084	06/22/23

Prep Method:SW-846 3050B **Analytical Method:SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23F2950-01 [SS-01]	B344093	1.50	50.0	06/22/23
23F2950-02 [SS-02]	B344093	1.55	50.0	06/22/23
23F2950-03 [SS-03]	B344093	1.58	50.0	06/22/23
23F2950-04 [SS-04]	B344093	1.53	50.0	06/22/23
23F2950-05 [SS-05]	B344093	1.54	50.0	06/22/23
23F2950-06 [SS-06]	B344093	1.50	50.0	06/22/23
23F2950-07 [SS-07]	B344093	1.52	50.0	06/22/23
23F2950-08 [SS-08]	B344093	1.50	50.0	06/22/23
23F2950-09 [SS-09]	B344093	1.51	50.0	06/22/23
23F2950-10 [SS-10]	B344093	1.51	50.0	06/22/23
23F2950-11 [DUP 6.21.23]	B344093	1.60	50.0	06/22/23

Prep Method:SW-846 7471 **Analytical Method:SW-846 7471B**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23F2950-01 [SS-01]	B344067	0.580	50.0	06/22/23
23F2950-02 [SS-02]	B344067	0.601	50.0	06/22/23
23F2950-03 [SS-03]	B344067	0.586	50.0	06/22/23
23F2950-04 [SS-04]	B344067	0.600	50.0	06/22/23
23F2950-05 [SS-05]	B344067	0.606	50.0	06/22/23
23F2950-06 [SS-06]	B344067	0.589	50.0	06/22/23
23F2950-07 [SS-07]	B344067	0.607	50.0	06/22/23
23F2950-08 [SS-08]	B344067	0.598	50.0	06/22/23
23F2950-09 [SS-09]	B344067	0.608	50.0	06/22/23
23F2950-10 [SS-10]	B344067	0.590	50.0	06/22/23
23F2950-11 [DUP 6.21.23]	B344067	0.585	50.0	06/22/23

Prep Method:SW-846 3546 **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23F2950-01 [SS-01]	B344159	30.0	1.00	06/23/23
23F2950-02 [SS-02]	B344159	30.0	1.00	06/23/23
23F2950-03 [SS-03]	B344159	30.0	1.00	06/23/23
23F2950-03RE1 [SS-03]	B344159	30.0	1.00	06/23/23
23F2950-04 [SS-04]	B344159	30.0	1.00	06/23/23
23F2950-04RE1 [SS-04]	B344159	30.0	1.00	06/23/23

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Sample Extraction Data

Prep Method:SW-846 3546 **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23F2950-05 [SS-05]	B344159	30.0	1.00	06/23/23
23F2950-06 [SS-06]	B344159	30.0	1.00	06/23/23
23F2950-07 [SS-07]	B344159	30.0	1.00	06/23/23
23F2950-08 [SS-08]	B344159	30.0	1.00	06/23/23
23F2950-09 [SS-09]	B344159	30.0	1.00	06/23/23
23F2950-09RE1 [SS-09]	B344159	30.0	1.00	06/23/23
23F2950-10 [SS-10]	B344159	30.0	1.00	06/23/23
23F2950-11 [DUP 6.21.23]	B344159	30.0	1.00	06/23/23

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B344159 - SW-846 3546										
Blank (B344159-BLK1)				Prepared: 06/23/23 Analyzed: 06/27/23						
Atrazine	ND	0.67	mg/Kg wet							
Benzaldehyde	ND	0.34	mg/Kg wet							
Biphenyl	ND	0.67	mg/Kg wet							
Caprolactam	ND	0.34	mg/Kg wet							
Acenaphthene	ND	0.17	mg/Kg wet							V-06
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							V-06
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							V-05
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							V-06
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							V-05
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B344159 - SW-846 3546											
Blank (B344159-BLK1)				Prepared: 06/23/23 Analyzed: 06/27/23							
3-Nitroaniline	ND	0.34	mg/Kg wet								
4-Nitroaniline	ND	0.34	mg/Kg wet								
Nitrobenzene	ND	0.34	mg/Kg wet								
2-Nitrophenol	ND	0.34	mg/Kg wet								
4-Nitrophenol	ND	0.66	mg/Kg wet							V-06	
N-Nitrosodiphenylamine/Diphenylamine	ND	0.34	mg/Kg wet								
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							V-06	
Pentachlorophenol	ND	0.34	mg/Kg wet								
Phenanthrene	ND	0.17	mg/Kg wet								
Phenol	ND	0.34	mg/Kg wet								
Pyrene	ND	0.17	mg/Kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet								
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet								
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet								
Surrogate: 2-Fluorophenol	*3.92*		mg/Kg wet	6.67		58.9	30-130				
Surrogate: Phenol-d6	*4.40*		mg/Kg wet	6.67		66.0	30-130				
Surrogate: Nitrobenzene-d5	*2.20*		mg/Kg wet	3.33		66.0	30-130				
Surrogate: 2-Fluorobiphenyl	*2.43*		mg/Kg wet	3.33		73.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*4.48*		mg/Kg wet	6.67		67.3	30-130				
Surrogate: p-Terphenyl-d14	*2.83*		mg/Kg wet	3.33		85.0	30-130				
LCS (B344159-BS1)				Prepared: 06/23/23 Analyzed: 06/27/23							
Atrazine	1.52	0.67	mg/Kg wet	1.67		91.3	40-140				
Benzaldehyde	0.684	0.34	mg/Kg wet	1.67		41.0	40-140				
Biphenyl	1.16	0.67	mg/Kg wet	1.67		69.8	40-140				
Caprolactam	1.40	0.34	mg/Kg wet	1.67		84.0	40-140				
Acenaphthene	1.15	0.17	mg/Kg wet	1.67		68.9	40-140			V-06	
Acenaphthylene	1.25	0.17	mg/Kg wet	1.67		75.1	40-140				
Acetophenone	1.17	0.34	mg/Kg wet	1.67		70.1	40-140			V-06	
Anthracene	1.26	0.17	mg/Kg wet	1.67		75.6	40-140				
Benzo(a)anthracene	1.26	0.17	mg/Kg wet	1.67		75.6	40-140				
Benzo(a)pyrene	1.27	0.17	mg/Kg wet	1.67		76.4	40-140				
Benzo(b)fluoranthene	1.38	0.17	mg/Kg wet	1.67		82.9	40-140				
Benzo(g,h,i)perylene	0.987	0.17	mg/Kg wet	1.67		59.2	40-140				
Benzo(k)fluoranthene	1.40	0.17	mg/Kg wet	1.67		84.1	40-140				
Bis(2-chloroethoxy)methane	1.03	0.34	mg/Kg wet	1.67		61.7	40-140				
Bis(2-chloroethyl)ether	0.996	0.34	mg/Kg wet	1.67		59.8	40-140				
Bis(2-chloroisopropyl)ether	0.961	0.34	mg/Kg wet	1.67		57.6	40-140			V-05	
Bis(2-Ethylhexyl)phthalate	1.06	0.34	mg/Kg wet	1.67		63.9	40-140				
4-Bromophenylphenylether	1.08	0.34	mg/Kg wet	1.67		64.5	40-140				
Butylbenzylphthalate	1.12	0.34	mg/Kg wet	1.67		67.1	40-140				
Carbazole	1.20	0.17	mg/Kg wet	1.67		72.1	40-140				
4-Chloroaniline	0.883	0.66	mg/Kg wet	1.67		53.0	10-140				†
4-Chloro-3-methylphenol	1.24	0.66	mg/Kg wet	1.67		74.2	30-130				
2-Chloronaphthalene	1.02	0.34	mg/Kg wet	1.67		61.5	40-140				
2-Chlorophenol	1.06	0.34	mg/Kg wet	1.67		63.5	30-130				
4-Chlorophenylphenylether	1.25	0.34	mg/Kg wet	1.67		74.8	40-140				
Chrysene	1.20	0.17	mg/Kg wet	1.67		72.0	40-140				
Dibenz(a,h)anthracene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140				
Dibenzofuran	1.23	0.34	mg/Kg wet	1.67		73.5	40-140				
Di-n-butylphthalate	1.14	0.34	mg/Kg wet	1.67		68.2	40-140				
3,3-Dichlorobenzidine	1.16	0.17	mg/Kg wet	1.67		69.9	20-140				†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B344159 - SW-846 3546												
LCS (B344159-BS1)				Prepared: 06/23/23 Analyzed: 06/27/23								
2,4-Dichlorophenol	1.14	0.34	mg/Kg wet	1.67		68.5		30-130				
Diethylphthalate	1.30	0.34	mg/Kg wet	1.67		77.7		40-140				
2,4-Dimethylphenol	0.921	0.34	mg/Kg wet	1.67		55.3		30-130				
Dimethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.7		40-140				
4,6-Dinitro-2-methylphenol	1.19	0.34	mg/Kg wet	1.67		71.2		30-130				
2,4-Dinitrophenol	1.05	0.66	mg/Kg wet	1.67		63.3		30-130				
2,4-Dinitrotoluene	1.44	0.34	mg/Kg wet	1.67		86.5		40-140			V-06	
2,6-Dinitrotoluene	1.43	0.34	mg/Kg wet	1.67		85.6		40-140				
Di-n-octylphthalate	1.23	0.34	mg/Kg wet	1.67		74.1		40-140				
Fluoranthene	1.28	0.17	mg/Kg wet	1.67		77.1		40-140				
Fluorene	1.25	0.17	mg/Kg wet	1.67		74.9		40-140				
Hexachlorobenzene	1.20	0.34	mg/Kg wet	1.67		71.7		40-140				
Hexachlorobutadiene	1.11	0.34	mg/Kg wet	1.67		66.7		40-140				
Hexachlorocyclopentadiene	0.516	0.34	mg/Kg wet	1.67		**31.0**	*	40-140			L-04, V-05	
Hexachloroethane	1.07	0.34	mg/Kg wet	1.67		64.1		40-140				
Indeno(1,2,3-cd)pyrene	1.10	0.17	mg/Kg wet	1.67		65.9		40-140				
Isophorone	1.20	0.34	mg/Kg wet	1.67		71.8		40-140				
2-Methylnaphthalene	1.07	0.17	mg/Kg wet	1.67		64.1		40-140				
2-Methylphenol	1.07	0.34	mg/Kg wet	1.67		64.0		30-130				
3/4-Methylphenol	1.22	0.34	mg/Kg wet	1.67		73.2		30-130				
Naphthalene	1.11	0.17	mg/Kg wet	1.67		66.6		40-140				
2-Nitroaniline	1.27	0.34	mg/Kg wet	1.67		76.0		40-140				
3-Nitroaniline	1.11	0.34	mg/Kg wet	1.67		66.9		30-140				†
4-Nitroaniline	1.18	0.34	mg/Kg wet	1.67		70.8		40-140				
Nitrobenzene	1.18	0.34	mg/Kg wet	1.67		70.9		40-140				
2-Nitrophenol	1.11	0.34	mg/Kg wet	1.67		66.4		30-130				
4-Nitrophenol	1.67	0.66	mg/Kg wet	1.67		100		30-130			V-06	
N-Nitrosodiphenylamine/Diphenylamine	1.19	0.34	mg/Kg wet	1.67		71.6		40-140				
N-Nitrosodi-n-propylamine	1.24	0.34	mg/Kg wet	1.67		74.3		40-140			V-06	
Pentachlorophenol	0.951	0.34	mg/Kg wet	1.67		57.0		30-130				
Phenanthrene	1.24	0.17	mg/Kg wet	1.67		74.3		40-140				
Phenol	1.11	0.34	mg/Kg wet	1.67		66.6		30-130				
Pyrene	1.18	0.17	mg/Kg wet	1.67		70.6		40-140				
1,2,4,5-Tetrachlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.1		40-140				
2,4,5-Trichlorophenol	1.27	0.34	mg/Kg wet	1.67		76.3		30-130				
2,4,6-Trichlorophenol	1.18	0.34	mg/Kg wet	1.67		70.5		30-130				
Surrogate: 2-Fluorophenol	*4.28*		mg/Kg wet	6.67		64.2		30-130				
Surrogate: Phenol-d6	*4.72*		mg/Kg wet	6.67		70.8		30-130				
Surrogate: Nitrobenzene-d5	*2.42*		mg/Kg wet	3.33		72.5		30-130				
Surrogate: 2-Fluorobiphenyl	*2.76*		mg/Kg wet	3.33		82.9		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.88*		mg/Kg wet	6.67		73.2		30-130				
Surrogate: p-Terphenyl-d14	*2.77*		mg/Kg wet	3.33		83.1		30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B344159 - SW-846 3546												
LCS Dup (B344159-BSD1)				Prepared: 06/23/23 Analyzed: 06/27/23								
Atrazine	1.64	0.67	mg/Kg wet	1.67		98.3		40-140	7.41	30		
Benzaldehyde	0.727	0.34	mg/Kg wet	1.67		43.6		40-140	6.09	20		
Biphenyl	1.19	0.67	mg/Kg wet	1.67		71.4		40-140	2.21	20		
Caprolactam	1.47	0.34	mg/Kg wet	1.67		88.5		40-140	5.20	20		
Acenaphthene	1.20	0.17	mg/Kg wet	1.67		72.0		40-140	4.34	30	V-06	
Acenaphthylene	1.29	0.17	mg/Kg wet	1.67		77.1		40-140	2.65	30		
Acetophenone	1.29	0.34	mg/Kg wet	1.67		77.1		40-140	9.59	30	V-06	
Anthracene	1.31	0.17	mg/Kg wet	1.67		78.9		40-140	4.22	30		
Benzo(a)anthracene	1.26	0.17	mg/Kg wet	1.67		75.5		40-140	0.0794	30		
Benzo(a)pyrene	1.27	0.17	mg/Kg wet	1.67		76.2		40-140	0.236	30		
Benzo(b)fluoranthene	1.43	0.17	mg/Kg wet	1.67		85.9		40-140	3.51	30		
Benzo(g,h,i)perylene	1.03	0.17	mg/Kg wet	1.67		61.8		40-140	4.23	30		
Benzo(k)fluoranthene	1.42	0.17	mg/Kg wet	1.67		85.5		40-140	1.60	30		
Bis(2-chloroethoxy)methane	1.11	0.34	mg/Kg wet	1.67		66.8		40-140	8.00	30		
Bis(2-chloroethyl)ether	1.08	0.34	mg/Kg wet	1.67		64.5		40-140	7.66	30		
Bis(2-chloroisopropyl)ether	1.03	0.34	mg/Kg wet	1.67		61.9		40-140	7.16	30	V-05	
Bis(2-Ethylhexyl)phthalate	1.07	0.34	mg/Kg wet	1.67		64.2		40-140	0.500	30		
4-Bromophenylphenylether	1.16	0.34	mg/Kg wet	1.67		69.5		40-140	7.49	30		
Butylbenzylphthalate	1.13	0.34	mg/Kg wet	1.67		67.8		40-140	1.07	30		
Carbazole	1.28	0.17	mg/Kg wet	1.67		77.1		40-140	6.62	30		
4-Chloroaniline	0.991	0.66	mg/Kg wet	1.67		59.5		10-140	11.6	30		†
4-Chloro-3-methylphenol	1.34	0.66	mg/Kg wet	1.67		80.1		30-130	7.75	30		
2-Chloronaphthalene	1.05	0.34	mg/Kg wet	1.67		62.9		40-140	2.25	30		
2-Chlorophenol	1.15	0.34	mg/Kg wet	1.67		69.1		30-130	8.44	30		
4-Chlorophenylphenylether	1.27	0.34	mg/Kg wet	1.67		76.0		40-140	1.62	30		
Chrysene	1.24	0.17	mg/Kg wet	1.67		74.2		40-140	3.06	30		
Dibenz(a,h)anthracene	1.08	0.17	mg/Kg wet	1.67		65.0		40-140	4.37	30		
Dibenzofuran	1.27	0.34	mg/Kg wet	1.67		76.5		40-140	3.92	30		
Di-n-butylphthalate	1.18	0.34	mg/Kg wet	1.67		70.5		40-140	3.32	30		
3,3-Dichlorobenzidine	1.20	0.17	mg/Kg wet	1.67		71.8		20-140	2.74	50		† ‡
2,4-Dichlorophenol	1.22	0.34	mg/Kg wet	1.67		73.1		30-130	6.52	30		
Diethylphthalate	1.37	0.34	mg/Kg wet	1.67		82.3		40-140	5.72	30		
2,4-Dimethylphenol	0.945	0.34	mg/Kg wet	1.67		56.7		30-130	2.54	30		
Dimethylphthalate	1.30	0.34	mg/Kg wet	1.67		77.8		40-140	4.14	30		
4,6-Dinitro-2-methylphenol	1.24	0.34	mg/Kg wet	1.67		74.2		30-130	4.13	30		
2,4-Dinitrophenol	1.19	0.66	mg/Kg wet	1.67		71.7		30-130	12.4	30		
2,4-Dinitrotoluene	1.55	0.34	mg/Kg wet	1.67		93.2		40-140	7.46	30	V-06	
2,6-Dinitrotoluene	1.54	0.34	mg/Kg wet	1.67		92.2		40-140	7.49	30		
Di-n-octylphthalate	1.22	0.34	mg/Kg wet	1.67		73.2		40-140	1.20	30		
Fluoranthene	1.32	0.17	mg/Kg wet	1.67		79.0		40-140	2.44	30		
Fluorene	1.33	0.17	mg/Kg wet	1.67		79.7		40-140	6.18	30		
Hexachlorobenzene	1.25	0.34	mg/Kg wet	1.67		75.1		40-140	4.69	30		
Hexachlorobutadiene	1.18	0.34	mg/Kg wet	1.67		71.0		40-140	6.33	30		
Hexachlorocyclopentadiene	0.527	0.34	mg/Kg wet	1.67		**31.6**	*	40-140	2.11	30	L-04, V-05	
Hexachloroethane	1.15	0.34	mg/Kg wet	1.67		69.1		40-140	7.45	30		
Indeno(1,2,3-cd)pyrene	1.11	0.17	mg/Kg wet	1.67		66.8		40-140	1.30	30		
Isophorone	1.25	0.34	mg/Kg wet	1.67		74.8		40-140	4.12	30		
2-Methylnaphthalene	1.11	0.17	mg/Kg wet	1.67		66.7		40-140	4.07	30		
2-Methylphenol	1.21	0.34	mg/Kg wet	1.67		72.3		30-130	12.3	30		
3/4-Methylphenol	1.37	0.34	mg/Kg wet	1.67		82.1		30-130	11.5	30		
Naphthalene	1.17	0.17	mg/Kg wet	1.67		70.0		40-140	5.07	30		
2-Nitroaniline	1.37	0.34	mg/Kg wet	1.67		82.0		40-140	7.59	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B344159 - SW-846 3546												
LCS Dup (B344159-BSD1)				Prepared: 06/23/23 Analyzed: 06/27/23								
3-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		72.3		30-140	7.73	30		†
4-Nitroaniline	1.27	0.34	mg/Kg wet	1.67		76.4		40-140	7.63	30		
Nitrobenzene	1.22	0.34	mg/Kg wet	1.67		73.0		40-140	2.89	30		
2-Nitrophenol	1.16	0.34	mg/Kg wet	1.67		69.5		30-130	4.53	30		
4-Nitrophenol	1.74	0.66	mg/Kg wet	1.67		105		30-130	4.57	50	V-06	‡
N-Nitrosodiphenylamine/Diphenylamine	1.24	0.34	mg/Kg wet	1.67		74.2		40-140	3.56	30		
N-Nitrosodi-n-propylamine	1.32	0.34	mg/Kg wet	1.67		79.0		40-140	6.24	30	V-06	
Pentachlorophenol	0.980	0.34	mg/Kg wet	1.67		58.8		30-130	3.07	30		
Phenanthrene	1.28	0.17	mg/Kg wet	1.67		76.7		40-140	3.13	30		
Phenol	1.25	0.34	mg/Kg wet	1.67		74.7		30-130	11.5	30		
Pyrene	1.19	0.17	mg/Kg wet	1.67		71.6		40-140	1.46	30		
1,2,4,5-Tetrachlorobenzene	1.15	0.34	mg/Kg wet	1.67		68.9		40-140	2.68	30		
2,4,5-Trichlorophenol	1.33	0.34	mg/Kg wet	1.67		80.0		30-130	4.73	30		
2,4,6-Trichlorophenol	1.21	0.34	mg/Kg wet	1.67		72.8		30-130	3.21	30		
Surrogate: 2-Fluorophenol	*4.69*		mg/Kg wet	6.67		70.4		30-130				
Surrogate: Phenol-d6	*5.16*		mg/Kg wet	6.67		77.4		30-130				
Surrogate: Nitrobenzene-d5	*2.48*		mg/Kg wet	3.33		74.3		30-130				
Surrogate: 2-Fluorobiphenyl	*2.78*		mg/Kg wet	3.33		83.5		30-130				
Surrogate: 2,4,6-Tribromophenol	*5.06*		mg/Kg wet	6.67		76.0		30-130				
Surrogate: p-Terphenyl-d14	*2.84*		mg/Kg wet	3.33		85.1		30-130				
Matrix Spike (B344159-MS1)	**Source: 23F2950-01**			Prepared: 06/23/23 Analyzed: 06/27/23								
Atrazine	1.19	0.71	mg/Kg dry	1.77	ND	67.0		40-140				
Benzaldehyde	0.632	0.36	mg/Kg dry	1.77	ND	**35.6**	*	40-140			MS-22	
Biphenyl	1.01	0.71	mg/Kg dry	1.77	ND	56.8		40-140				
Caprolactam	1.14	0.36	mg/Kg dry	1.77	ND	64.1		40-140				
Acenaphthene	0.973	0.18	mg/Kg dry	1.77	ND	54.8		40-140			V-06	
Acenaphthylene	1.04	0.18	mg/Kg dry	1.77	ND	58.8		40-140				
Acetophenone	1.09	0.36	mg/Kg dry	1.77	ND	61.2		40-140			V-06, R-06	
Anthracene	1.05	0.18	mg/Kg dry	1.77	ND	59.4		40-140				
Benzo(a)anthracene	1.31	0.18	mg/Kg dry	1.77	0.306	56.7		40-140				
Benzo(a)pyrene	1.34	0.18	mg/Kg dry	1.77	0.390	53.5		40-140				
Benzo(b)fluoranthene	1.71	0.18	mg/Kg dry	1.77	0.585	63.4		40-140				
Benzo(g,h,i)perylene	0.859	0.18	mg/Kg dry	1.77	0.384	**26.8**	*	40-140			MS-23	
Benzo(k)fluoranthene	1.42	0.18	mg/Kg dry	1.77	0.223	67.5		40-140				
Bis(2-chloroethoxy)methane	0.959	0.36	mg/Kg dry	1.77	ND	54.1		40-140				
Bis(2-chloroethyl)ether	0.882	0.36	mg/Kg dry	1.77	ND	49.7		40-140				
Bis(2-chloroisopropyl)ether	0.837	0.36	mg/Kg dry	1.77	ND	47.2		40-140			V-05	
Bis(2-Ethylhexyl)phthalate	0.981	0.36	mg/Kg dry	1.77	ND	55.3		40-140				
4-Bromophenylphenylether	0.973	0.36	mg/Kg dry	1.77	ND	54.8		40-140				
Butylbenzylphthalate	0.953	0.36	mg/Kg dry	1.77	ND	53.7		40-140				
Carbazole	0.974	0.18	mg/Kg dry	1.77	ND	54.9		40-140				
4-Chloroaniline	0.495	0.70	mg/Kg dry	1.77	ND	**27.9**	*	40-140			MS-07A	
4-Chloro-3-methylphenol	1.06	0.70	mg/Kg dry	1.77	ND	60.0		30-130				
2-Chloronaphthalene	0.992	0.36	mg/Kg dry	1.77	ND	55.9		40-140				
2-Chlorophenol	0.944	0.36	mg/Kg dry	1.77	ND	53.2		30-130				
4-Chlorophenylphenylether	1.04	0.36	mg/Kg dry	1.77	ND	58.7		40-140				
Chrysene	1.33	0.18	mg/Kg dry	1.77	0.391	53.2		40-140				
Dibenz(a,h)anthracene	0.759	0.18	mg/Kg dry	1.77	0.0809	**38.2**	*	40-140			MS-23	
Dibenzofuran	1.06	0.36	mg/Kg dry	1.77	ND	59.9		40-140				
Di-n-butylphthalate	0.942	0.36	mg/Kg dry	1.77	ND	53.1		40-140				
3,3-Dichlorobenzidine	0.338	0.18	mg/Kg dry	1.77	ND	**19.0**	*	40-140			MS-07A	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B344159 - SW-846 3546											
Matrix Spike (B344159-MS1)		**Source: 23F2950-01**		Prepared: 06/23/23 Analyzed: 06/27/23							
2,4-Dichlorophenol	1.00	0.36	mg/Kg dry	1.77	ND	56.4		30-130			
Diethylphthalate	1.07	0.36	mg/Kg dry	1.77	ND	60.2		40-140			
2,4-Dimethylphenol	0.599	0.36	mg/Kg dry	1.77	ND	33.8		30-130			
Dimethylphthalate	1.04	0.36	mg/Kg dry	1.77	ND	58.6		40-140			
4,6-Dinitro-2-methylphenol	0.212	0.0	mg/Kg dry	1.77	ND	**12.0**	*	30-130			MS-07A
2,4-Dinitrophenol	0.328	0.70	mg/Kg dry	1.77	ND	**18.5**	*	30-130			MS-07A
2,4-Dinitrotoluene	1.08	0.36	mg/Kg dry	1.77	ND	60.9		40-140			V-06
2,6-Dinitrotoluene	1.13	0.36	mg/Kg dry	1.77	ND	63.7		40-140			
Di-n-octylphthalate	1.17	0.36	mg/Kg dry	1.77	ND	66.2		40-140			
Fluoranthene	1.71	0.18	mg/Kg dry	1.77	0.705	56.9		40-140			
Fluorene	1.06	0.18	mg/Kg dry	1.77	ND	59.5		40-140			
Hexachlorobenzene	0.974	0.36	mg/Kg dry	1.77	ND	54.9		40-140			
Hexachlorobutadiene	1.17	0.36	mg/Kg dry	1.77	ND	65.9		40-140			
Hexachlorocyclopentadiene	0.0575	0.0	mg/Kg dry	1.77	ND	**3.24**	*	30-130			MS-09, V-05
Hexachloroethane	0.694	0.36	mg/Kg dry	1.77	ND	**39.1**	*	40-140			MS-22
Indeno(1,2,3-cd)pyrene	0.975	0.18	mg/Kg dry	1.77	0.371	**34.0**	*	40-140			MS-23
Isophorone	1.06	0.36	mg/Kg dry	1.77	ND	59.6		40-140			
2-Methylnaphthalene	1.16	0.18	mg/Kg dry	1.77	0.168	55.9		40-140			
2-Methylphenol	0.896	0.36	mg/Kg dry	1.77	ND	50.5		30-130			
3/4-Methylphenol	1.03	0.36	mg/Kg dry	1.77	ND	58.0		30-130			
Naphthalene	1.11	0.18	mg/Kg dry	1.77	0.109	56.5		40-140			
2-Nitroaniline	1.11	0.36	mg/Kg dry	1.77	ND	62.4		40-140			
3-Nitroaniline	0.916	0.36	mg/Kg dry	1.77	ND	51.7		40-140			
4-Nitroaniline	0.984	0.36	mg/Kg dry	1.77	ND	55.5		40-140			
Nitrobenzene	1.06	0.36	mg/Kg dry	1.77	ND	59.8		40-140			
2-Nitrophenol	0.941	0.36	mg/Kg dry	1.77	ND	53.1		30-130			
4-Nitrophenol	1.33	0.70	mg/Kg dry	1.77	ND	75.0		30-130			V-06
N-Nitrosodiphenylamine/Diphenylamine	1.06	0.36	mg/Kg dry	1.77	ND	59.8		40-140			
N-Nitrosodi-n-propylamine	1.08	0.36	mg/Kg dry	1.77	ND	60.9		40-140			V-06
Pentachlorophenol	0.472	0.36	mg/Kg dry	1.77	ND	**26.6**	*	30-130			MS-22
Phenanthrene	1.43	0.18	mg/Kg dry	1.77	0.322	62.7		40-140			
Phenol	0.944	0.36	mg/Kg dry	1.77	ND	53.2		30-130			
Pyrene	1.74	0.18	mg/Kg dry	1.77	0.627	62.7		40-140			
1,2,4,5-Tetrachlorobenzene	1.01	0.36	mg/Kg dry	1.77	ND	56.7		40-140			
2,4,5-Trichlorophenol	1.06	0.36	mg/Kg dry	1.77	ND	59.7		30-130			
2,4,6-Trichlorophenol	0.993	0.36	mg/Kg dry	1.77	ND	56.0		30-130			
Surrogate: 2-Fluorophenol	*3.35*		mg/Kg dry	7.10		47.2		30-130			
Surrogate: Phenol-d6	*3.89*		mg/Kg dry	7.10		54.8		30-130			
Surrogate: Nitrobenzene-d5	*2.13*		mg/Kg dry	3.55		60.0		30-130			
Surrogate: 2-Fluorobiphenyl	*2.34*		mg/Kg dry	3.55		66.0		30-130			
Surrogate: 2,4,6-Tribromophenol	*3.39*		mg/Kg dry	7.10		47.8		30-130			
Surrogate: p-Terphenyl-d14	*2.48*		mg/Kg dry	3.55		69.9		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B344159 - SW-846 3546												
Matrix Spike Dup (B344159-MSD1)		**Source: 23F2950-01**		Prepared: 06/23/23 Analyzed: 06/27/23								
Atrazine	1.38	0.71	mg/Kg dry	1.77	ND	77.6		40-140	14.7		30	
Benzaldehyde	0.716	0.36	mg/Kg dry	1.77	ND	40.3		40-140	12.4		30	
Biphenyl	1.16	0.71	mg/Kg dry	1.77	ND	65.2		40-140	13.7		30	
Caprolactam	1.28	0.36	mg/Kg dry	1.77	ND	72.4		40-140	12.2		30	
Acenaphthene	1.09	0.18	mg/Kg dry	1.77	ND	61.3		40-140	11.2		30	V-06
Acenaphthylene	1.20	0.18	mg/Kg dry	1.77	ND	67.9		40-140	14.3		30	
Acetophenone	0.00993	0.0	mg/Kg dry	1.77	ND	**0.560**	*	40-140	**196**	*	30	MS-23, V-06
Anthracene	1.21	0.18	mg/Kg dry	1.77	ND	68.4		40-140	14.2		30	
Benzo(a)anthracene	1.55	0.18	mg/Kg dry	1.77	0.306	70.1		40-140	16.6		30	
Benzo(a)pyrene	1.61	0.18	mg/Kg dry	1.77	0.390	68.8		40-140	18.4		30	
Benzo(b)fluoranthene	2.04	0.18	mg/Kg dry	1.77	0.585	82.1		40-140	17.6		30	
Benzo(g,h,i)perylene	1.35	0.18	mg/Kg dry	1.77	0.384	54.2		40-140	**44.1**	*	30	R-06
Benzo(k)fluoranthene	1.71	0.18	mg/Kg dry	1.77	0.223	83.6		40-140	18.2		30	
Bis(2-chloroethoxy)methane	1.09	0.36	mg/Kg dry	1.77	ND	61.3		40-140	12.6		30	
Bis(2-chloroethyl)ether	1.02	0.36	mg/Kg dry	1.77	ND	57.3		40-140	14.2		30	
Bis(2-chloroisopropyl)ether	0.967	0.36	mg/Kg dry	1.77	ND	54.5		40-140	14.4		30	V-05
Bis(2-Ethylhexyl)phthalate	1.14	0.36	mg/Kg dry	1.77	ND	64.2		40-140	14.8		30	
4-Bromophenylphenylether	1.14	0.36	mg/Kg dry	1.77	ND	64.2		40-140	15.8		30	
Butylbenzylphthalate	1.11	0.36	mg/Kg dry	1.77	ND	62.7		40-140	15.4		30	
Carbazole	1.10	0.18	mg/Kg dry	1.77	ND	62.3		40-140	12.6		30	
4-Chloroaniline	0.640	0.70	mg/Kg dry	1.77	ND	**36.1**	*	40-140	25.7		30	MS-07A
4-Chloro-3-methylphenol	1.19	0.70	mg/Kg dry	1.77	ND	67.2		30-130	11.4		30	
2-Chloronaphthalene	1.01	0.36	mg/Kg dry	1.77	ND	57.1		40-140	2.12		30	
2-Chlorophenol	1.03	0.36	mg/Kg dry	1.77	ND	58.1		30-130	8.70		30	
4-Chlorophenylphenylether	1.18	0.36	mg/Kg dry	1.77	ND	66.3		40-140	12.2		30	
Chrysene	1.59	0.18	mg/Kg dry	1.77	0.391	67.8		40-140	17.8		30	
Dibenz(a,h)anthracene	1.07	0.18	mg/Kg dry	1.77	0.0809	56.0		40-140	**34.5**	*	30	R-06
Dibenzofuran	1.18	0.36	mg/Kg dry	1.77	ND	66.5		40-140	10.5		30	
Di-n-butylphthalate	1.07	0.36	mg/Kg dry	1.77	ND	60.5		40-140	13.0		30	
3,3-Dichlorobenzidine	0.443	0.18	mg/Kg dry	1.77	ND	**25.0**	*	40-140	27.1		30	MS-07A
2,4-Dichlorophenol	1.16	0.36	mg/Kg dry	1.77	ND	65.5		30-130	15.0		30	
Diethylphthalate	1.17	0.36	mg/Kg dry	1.77	ND	66.1		40-140	9.47		30	
2,4-Dimethylphenol	0.716	0.36	mg/Kg dry	1.77	ND	40.4		30-130	17.8		30	
Dimethylphthalate	1.16	0.36	mg/Kg dry	1.77	ND	65.4		40-140	11.0		30	
4,6-Dinitro-2-methylphenol	0.235	0.0	mg/Kg dry	1.77	ND	**13.3**	*	30-130			30	MS-07A
2,4-Dinitrophenol	0.357	0.70	mg/Kg dry	1.77	ND	**20.1**	*	30-130	8.49		30	MS-07A
2,4-Dinitrotoluene	1.21	0.36	mg/Kg dry	1.77	ND	68.0		40-140	11.0		30	V-06
2,6-Dinitrotoluene	1.22	0.36	mg/Kg dry	1.77	ND	69.0		40-140	7.99		30	
Di-n-octylphthalate	1.31	0.36	mg/Kg dry	1.77	ND	74.0		40-140	11.1		30	
Fluoranthene	2.10	0.18	mg/Kg dry	1.77	0.705	78.7		40-140	20.3		30	
Fluorene	1.19	0.18	mg/Kg dry	1.77	ND	67.1		40-140	11.9		30	
Hexachlorobenzene	1.20	0.36	mg/Kg dry	1.77	ND	67.8		40-140	21.1		30	
Hexachlorobutadiene	1.33	0.36	mg/Kg dry	1.77	ND	75.2		40-140	13.2		30	
Hexachlorocyclopentadiene	0.0603	0.0	mg/Kg dry	1.77	ND	**3.40**	*	30-130			30	V-05, MS-09
Hexachloroethane	0.777	0.36	mg/Kg dry	1.77	ND	43.8		40-140	11.3		30	
Indeno(1,2,3-cd)pyrene	1.40	0.18	mg/Kg dry	1.77	0.371	57.8		40-140	**35.6**	*	30	R-06
Isophorone	1.22	0.36	mg/Kg dry	1.77	ND	68.6		40-140	14.1		30	
2-Methylnaphthalene	1.24	0.18	mg/Kg dry	1.77	0.168	60.3		40-140	6.55		30	
2-Methylphenol	1.02	0.36	mg/Kg dry	1.77	ND	57.3		30-130	12.5		30	
3/4-Methylphenol	1.15	0.36	mg/Kg dry	1.77	ND	65.0		30-130	11.3		30	
Naphthalene	1.27	0.18	mg/Kg dry	1.77	0.109	65.6		40-140	13.5		30	
2-Nitroaniline	1.24	0.36	mg/Kg dry	1.77	ND	70.2		40-140	11.6		30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B344159 - SW-846 3546										
Matrix Spike Dup (B344159-MSD1)	**Source: 23F2950-01**			Prepared: 06/23/23 Analyzed: 06/27/23						
3-Nitroaniline	1.07	0.36	mg/Kg dry	1.77	ND	60.5	40-140	15.8	30	
4-Nitroaniline	1.16	0.36	mg/Kg dry	1.77	ND	65.3	40-140	16.3	30	
Nitrobenzene	1.18	0.36	mg/Kg dry	1.77	ND	66.4	40-140	10.5	30	
2-Nitrophenol	1.07	0.36	mg/Kg dry	1.77	ND	60.1	30-130	12.5	30	
4-Nitrophenol	1.48	0.70	mg/Kg dry	1.77	ND	83.2	30-130	10.3	30	V-06
N-Nitrosodiphenylamine/Diphenylamine	1.25	0.36	mg/Kg dry	1.77	ND	70.6	40-140	16.6	30	
N-Nitrosodi-n-propylamine	1.18	0.36	mg/Kg dry	1.77	ND	66.8	40-140	9.15	30	V-06
Pentachlorophenol	0.581	0.36	mg/Kg dry	1.77	ND	32.7	30-130	20.7	30	
Phenanthrene	1.69	0.18	mg/Kg dry	1.77	0.322	77.2	40-140	16.4	30	
Phenol	1.08	0.36	mg/Kg dry	1.77	ND	60.9	30-130	13.4	30	
Pyrene	2.15	0.18	mg/Kg dry	1.77	0.627	85.9	40-140	21.1	30	
1,2,4,5-Tetrachlorobenzene	1.14	0.36	mg/Kg dry	1.77	ND	64.3	40-140	12.6	30	
2,4,5-Trichlorophenol	1.16	0.36	mg/Kg dry	1.77	ND	65.4	30-130	9.15	30	
2,4,6-Trichlorophenol	1.13	0.36	mg/Kg dry	1.77	ND	63.8	30-130	13.0	30	
Surrogate: 2-Fluorophenol	*3.78*		mg/Kg dry	7.10		53.2	30-130			
Surrogate: Phenol-d6	*4.30*		mg/Kg dry	7.10		60.6	30-130			
Surrogate: Nitrobenzene-d5	*2.38*		mg/Kg dry	3.55		67.1	30-130			
Surrogate: 2-Fluorobiphenyl	*2.66*		mg/Kg dry	3.55		75.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*3.85*		mg/Kg dry	7.10		54.2	30-130			
Surrogate: p-Terphenyl-d14	*2.85*		mg/Kg dry	3.55		80.4	30-130			

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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 B344067 - SW-846 7471											
Blank (B344067-BLK1)				Prepared: 06/22/23 Analyzed: 06/23/23							
Mercury	ND	0.025	mg/Kg wet								
LCS (B344067-BS1)				Prepared: 06/22/23 Analyzed: 06/23/23							
Mercury	21.9	3.7	mg/Kg wet	25.6		85.6	67.2-132.8				R-05
LCS Dup (B344067-BSD1)				Prepared: 06/22/23 Analyzed: 06/23/23							
Mercury	26.8	3.7	mg/Kg wet	25.6		105	67.2-132.8	**20.1**	*	20	R-05
Matrix Spike (B344067-MS1)		**Source: 23F2950-01**		Prepared: 06/22/23 Analyzed: 06/23/23							
Mercury	0.396	0.027	mg/Kg dry	0.366	0.0378	97.8	80-120				
Matrix Spike Dup (B344067-MSD1)		**Source: 23F2950-01**		Prepared: 06/22/23 Analyzed: 06/23/23							
Mercury	0.372	0.027	mg/Kg dry	0.364	0.0378	92.0	80-120	6.20		20	
Batch B344093 - SW-846 3050B											
Blank (B344093-BLK1)				Prepared: 06/22/23 Analyzed: 06/24/23							
Aluminum	ND	16	mg/Kg wet								
Antimony	ND	1.6	mg/Kg wet								
Arsenic	ND	3.3	mg/Kg wet								
Barium	ND	1.6	mg/Kg wet								
Beryllium	ND	0.16	mg/Kg wet								
Cadmium	ND	0.33	mg/Kg wet								
Calcium	ND	16	mg/Kg wet								
Chromium	ND	0.66	mg/Kg wet								
Cobalt	ND	1.6	mg/Kg wet								
Copper	ND	0.66	mg/Kg wet								
Iron	ND	16	mg/Kg wet								
Lead	ND	0.49	mg/Kg wet								
Magnesium	ND	16	mg/Kg wet								
Manganese	ND	0.33	mg/Kg wet								
Nickel	ND	0.66	mg/Kg wet								
Potassium	ND	160	mg/Kg wet								
Selenium	ND	3.3	mg/Kg wet								
Silver	ND	0.33	mg/Kg wet								
Sodium	ND	160	mg/Kg wet								
Thallium	ND	1.6	mg/Kg wet								
Vanadium	ND	0.66	mg/Kg wet								
Zinc	ND	0.66	mg/Kg wet								
LCS (B344093-BS1)				Prepared: 06/22/23 Analyzed: 06/24/23							
Aluminum	9250	50	mg/Kg wet	8040		115	47.6-151.7				
Antimony	120	5.0	mg/Kg wet	129		92.7	9.8-189.9				
Arsenic	181	9.9	mg/Kg wet	183		98.7	83.1-116.9				
Barium	315	5.0	mg/Kg wet	297		106	82.2-118.2				
Beryllium	83.0	0.50	mg/Kg wet	78.8		105	83-117				
Cadmium	233	0.99	mg/Kg wet	221		106	82.4-117.2				
Calcium	4930	50	mg/Kg wet	4710		105	81.3-118.5				
Chromium	213	2.0	mg/Kg wet	200		107	81.5-118.5				
Cobalt	101	5.0	mg/Kg wet	97.4		104	83.3-117				
Copper	149	2.0	mg/Kg wet	136		110	83.8-116.2				
Iron	17500	50	mg/Kg wet	14000		125	60.1-140				
Lead	264	1.5	mg/Kg wet	257		103	82.1-117.9				
Magnesium	2480	50	mg/Kg wet	2290		108	75.5-124.5				

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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 B344093 - SW-846 3050B											
LCS (B344093-BS1)				Prepared: 06/22/23 Analyzed: 06/24/23							
Manganese	407	0.99	mg/Kg wet	381		107		81.6-118.1			
Nickel	174	2.0	mg/Kg wet	169		103		82.2-117.2			
Potassium	2300	500	mg/Kg wet	2030		114		70-130			
Selenium	219	9.9	mg/Kg wet	217		101		79.3-121.2			
Silver	77.1	0.99	mg/Kg wet	67.8		114		79.8-120.1			
Sodium	464	500	mg/Kg wet	427		109		74-126			
Thallium	82.0	5.0	mg/Kg wet	80.5		102		80.7-119.4			
Vanadium	226	2.0	mg/Kg wet	205		110		78.5-121			
Zinc	236	2.0	mg/Kg wet	224		106		80.4-119.6			
LCS Dup (B344093-BSD1)				Prepared: 06/22/23 Analyzed: 06/24/23							
Aluminum	8780	50	mg/Kg wet	8040		109		47.6-151.7	5.17	30	
Antimony	116	5.0	mg/Kg wet	129		90.2		9.8-189.9	2.83	30	
Arsenic	174	9.9	mg/Kg wet	183		95.0		83.1-116.9	3.80	30	
Barium	300	5.0	mg/Kg wet	297		101		82.2-118.2	5.14	20	
Beryllium	80.1	0.50	mg/Kg wet	78.8		102		83-117	3.58	30	
Cadmium	223	0.99	mg/Kg wet	221		101		82.4-117.2	4.43	20	
Calcium	5220	50	mg/Kg wet	4710		111		81.3-118.5	5.77	30	
Chromium	205	2.0	mg/Kg wet	200		103		81.5-118.5	3.82	30	
Cobalt	97.6	5.0	mg/Kg wet	97.4		100		83.3-117	3.39	20	
Copper	142	2.0	mg/Kg wet	136		104		83.8-116.2	5.20	30	
Iron	16300	50	mg/Kg wet	14000		117		60.1-140	6.79	30	
Lead	251	1.5	mg/Kg wet	257		97.7		82.1-117.9	5.17	30	
Magnesium	2330	50	mg/Kg wet	2290		102		75.5-124.5	6.28	30	
Manganese	393	0.99	mg/Kg wet	381		103		81.6-118.1	3.53	30	
Nickel	169	2.0	mg/Kg wet	169		100		82.2-117.2	3.09	30	
Potassium	2190	500	mg/Kg wet	2030		108		70-130	5.17	30	
Selenium	215	9.9	mg/Kg wet	217		99.1		79.3-121.2	1.58	30	
Silver	71.5	0.99	mg/Kg wet	67.8		105		79.8-120.1	7.61	30	
Sodium	437	500	mg/Kg wet	427		102		74-126	5.90	30	
Thallium	77.9	5.0	mg/Kg wet	80.5		96.7		80.7-119.4	5.18	30	
Vanadium	217	2.0	mg/Kg wet	205		106		78.5-121	3.97	30	
Zinc	225	2.0	mg/Kg wet	224		100		80.4-119.6	5.05	30	
Matrix Spike (B344093-MS1)	**Source: 23F2950-01**			Prepared: 06/22/23 Analyzed: 06/24/23							
Aluminum	8640	18	mg/Kg dry	17.5	8680	**-191**	*	75-125			MS-19
Antimony	6.76	1.8	mg/Kg dry	17.5	ND	**38.6**	*	75-125			Z-01
Arsenic	20.8	3.5	mg/Kg dry	17.5	3.99	95.9		75-125			
Barium	69.8	1.8	mg/Kg dry	17.5	61.5	**47.6**	*	75-125			MS-22
Beryllium	15.6	0.18	mg/Kg dry	17.5	0.728	84.8		75-125			
Cadmium	15.9	0.35	mg/Kg dry	17.5	0.317	88.8		75-125			
Chromium	27.5	0.70	mg/Kg dry	17.5	15.8	**66.5**	*	75-125			MS-22
Cobalt	17.0	1.8	mg/Kg dry	17.5	4.07	**73.9**	*	75-125			MS-22
Copper	56.8	0.70	mg/Kg dry	35.0	26.5	86.6		75-125			
Lead	39.7	0.53	mg/Kg dry	17.5	28.6	**63.6**	*	75-125			MS-22
Manganese	366	0.35	mg/Kg dry	17.5	378	**-70.5**	*	75-125			MS-19
Nickel	24.4	0.70	mg/Kg dry	17.5	11.7	**72.6**	*	75-125			MS-22
Potassium	1630	180	mg/Kg dry	140	1450	**126**	*	75-125			MS-19
Selenium	15.9	3.5	mg/Kg dry	17.5	1.90	80.2		75-125			
Silver	17.0	0.35	mg/Kg dry	17.5	ND	97.0		75-125			
Sodium	299	180	mg/Kg dry	140	169	92.4		75-125			
Thallium	13.0	1.8	mg/Kg dry	17.5	ND	**74.5**	*	75-125			Z-01
Vanadium	30.8	0.70	mg/Kg dry	17.5	16.6	81.0		75-125			

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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 B344093 - SW-846 3050B											
Matrix Spike (B344093-MS1)	**Source: 23F2950-01**			Prepared: 06/22/23 Analyzed: 06/24/23							
Zinc	127	0.70	mg/Kg dry	35.0	104	**66.8**	*	75-125			MS-22
Matrix Spike (B344093-MS2)	**Source: 23F2950-01**			Prepared: 06/22/23 Analyzed: 06/24/23							
Calcium	62800	350	mg/Kg dry	140	73600	**-7700**	*	75-125			MS-19
Iron	28400	350	mg/Kg dry	140	30200	**-1270**	*	75-125			MS-19
Magnesium	23400	350	mg/Kg dry	140	24200	**-568**	*	75-125			MS-19
Matrix Spike Dup (B344093-MSD1)	**Source: 23F2950-01**			Prepared: 06/22/23 Analyzed: 06/24/23							
Aluminum	9400	18	mg/Kg dry	17.6	8680	**4120**	*	75-125	8.40	35	MS-19
Antimony	6.18	1.8	mg/Kg dry	17.6	ND	**35.1**	*	75-125	9.03	35	Z-01
Arsenic	20.9	3.5	mg/Kg dry	17.6	3.99	96.3		75-125	0.709	35	
Barium	74.9	1.8	mg/Kg dry	17.6	61.5	76.1		75-125	6.98	35	MS-22
Beryllium	16.2	0.18	mg/Kg dry	17.6	0.728	88.1		75-125	4.01	35	
Cadmium	16.6	0.35	mg/Kg dry	17.6	0.317	92.7		75-125	4.60	35	
Chromium	29.1	0.70	mg/Kg dry	17.6	15.8	75.5		75-125	5.78	35	
Cobalt	18.0	1.8	mg/Kg dry	17.6	4.07	79.1		75-125	5.55	35	
Copper	61.4	0.70	mg/Kg dry	35.2	26.5	99.3		75-125	7.77	35	
Lead	41.9	0.53	mg/Kg dry	17.6	28.6	75.7		75-125	5.35	35	
Manganese	407	0.35	mg/Kg dry	17.6	378	**161**	*	75-125	10.5	35	MS-19
Nickel	26.0	0.70	mg/Kg dry	17.6	11.7	81.0		75-125	6.07	35	MS-22
Potassium	1730	180	mg/Kg dry	141	1450	**202**	*	75-125	6.35	35	MS-19
Selenium	16.5	3.5	mg/Kg dry	17.6	1.90	82.9		75-125	3.35	35	
Silver	17.8	0.35	mg/Kg dry	17.6	ND	101		75-125	4.59	35	
Sodium	302	180	mg/Kg dry	141	169	93.9		75-125	0.915	35	
Thallium	12.2	1.8	mg/Kg dry	17.6	ND	**69.2**	*	75-125	6.90	35	Z-01
Vanadium	32.9	0.70	mg/Kg dry	17.6	16.6	92.5		75-125	6.56	35	
Zinc	137	0.70	mg/Kg dry	35.2	104	94.7		75-125	7.51	35	MS-22
Matrix Spike Dup (B344093-MSD2)	**Source: 23F2950-01**			Prepared: 06/22/23 Analyzed: 06/24/23							
Calcium	65000	350	mg/Kg dry	141	73600	**-6120**	*	75-125	3.41	35	MS-19
Iron	30000	350	mg/Kg dry	141	30200	**-109**	*	75-125	5.57	35	MS-19
Magnesium	24600	350	mg/Kg dry	141	24200	**297**	*	75-125	5.05	35	MS-19
Post Spike (B344093-PS1)	**Source: 23F2950-01**			Prepared: 06/22/23 Analyzed: 06/24/23							
Antimony	1.84		mg/L	2.00	-0.0255	91.8		75-125			
Thallium	1.85		mg/L	2.00	-0.0907	92.3		75-125			
Reference (B344093-SRM1) MRL CHECK				Prepared: 06/22/23 Analyzed: 06/24/23							
Lead	0.479	0.48	mg/Kg wet	0.483		99.1		80-120			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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 B344084 - % Solids										
Duplicate (B344084-DUP1)	**Source: 23F2950-10**		Prepared & Analyzed: 06/22/23							
% Solids	92.3		% Wt		92.4			0.0973	10	

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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.

L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
MS-23	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-12	Elevated reporting limit due to matrix interference.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
Z-01	Matrix Spike and Matrix Spike Duplicate recoveries are outside of control limits. Analysis is in control based on Laboratory Fortified Blank and Post Digestion Spike recoveries.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010D in Soil	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 6010D in Water	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
Atrazine	ME,NC
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acetophenone	NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH,ME,NC,VA
Bis(2-chloroethyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-chloroisopropyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,ME,NC,VA
4-Bromophenylphenylether	CT,NY,NH,ME,NC,VA
Butylbenzylphthalate	CT,NY,NH,ME,NC,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NH,ME,NC,VA
4-Chloro-3-methylphenol	CT,NY,NH,ME,NC,VA
2-Chloronaphthalene	CT,NY,NH,NC,VA
2-Chlorophenol	CT,NY,NH,ME,NC,VA
4-Chlorophenylphenylether	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH,ME,NC,VA
Di-n-butylphthalate	CT,NY,NH,ME,NC,VA
3,3-Dichlorobenzidine	CT,NY,NH,ME,NC,VA
2,4-Dichlorophenol	CT,NY,NH,ME,NC,VA
Diethylphthalate	CT,NY,NH,ME,NC,VA
2,4-Dimethylphenol	CT,NY,NH,ME,NC,VA
Dimethylphthalate	CT,NY,NH,ME,NC,VA
4,6-Dinitro-2-methylphenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrophenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrotoluene	CT,NY,NH,ME,NC,VA
2,6-Dinitrotoluene	CT,NY,NH,ME,NC,VA
Di-n-octylphthalate	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH,ME,NC,VA
Hexachlorobenzene	CT,NY,NH,ME,NC,VA
Hexachlorobutadiene	CT,NY,NH,ME,NC,VA
Hexachlorocyclopentadiene	CT,NY,NH,ME,NC,VA
Hexachloroethane	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylphenol	CT,NY,NH,ME,NC,VA
3/4-Methylphenol	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH,ME,NC,VA
3-Nitroaniline	CT,NY,NH,ME,NC,VA
4-Nitroaniline	CT,NY,NH,ME,NC,VA
Nitrobenzene	CT,NY,NH,ME,NC,VA
2-Nitrophenol	CT,NY,NH,ME,NC,VA
4-Nitrophenol	CT,NY,NH,ME,NC,VA
N-Nitrosodi-n-propylamine	CT,NY,NH,ME,NC,VA
Pentachlorophenol	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
2,4,5-Trichlorophenol	CT,NY,NH,ME,NC,VA
2,4,6-Trichlorophenol	CT,NY,NH,ME,NC,VA
2-Fluorophenol	NC
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

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
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

23F-2950

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

KAM

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL BOLD OUTLINED AREAS are for LAB USE ONLY

Company: AECC	Billing Information: SAME, copy Carrie Beck
Address: 6365 Fly Rd. E. Syracuse 13057	
Report To: gfischer@aecegroup.com	Email To: cbeck@aecegroup.com
Copy To: MThorpe@aecegroup.com	Site Collection Info/Address: 250 River Rd N. Tonawanda NY
Customer Project Name/Number: 23-031 METZGER	State: / County/City: / Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: / Email:	Site/Facility ID #:
Collected By (print): G. Fischer	Purchase Order # : / Quote #:
Collected By (signature):	Turnaround Date Required:
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: ____ [ ] Hold:	Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day

Compliance Monitoring? [ ] Yes [X] No

DW PWS ID#:

DW Location Code:

Immediately Packed on Ice: [X] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: ____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

	Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	Analyses: TCL SVOC	Analyses: TAL Metals, Hg
1	SS-01	Soil	G	6/21/23	904				1	G	X	X
1L	SS-01 MS/MSD				904				1		X	X
2	SS-02				930				1		X	X
3	SS-03				940				1		X	X
4	SS-04				950				1		X	X
5	SS-05				956				1		X	X
6	SS-06				10:02				1		X	X
7	SS-07				10:08				1		X	X
8	SS-08				10:14				1		X	X
9	SS-09				1020				1		X	X

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other ____

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: ____
Cooler 1 Temp Upon Receipt: ____oC
Cooler 1 Therm Corr. Factor: ____oC
Cooler 1 Corrected Temp: ____oC
Comments:

	Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
1	AECC	6/21/23 11:01	Jocelyn Tooy (AAL)	6/21/23 11:01
2	Jocelyn Tooy (AAL)	6/21/23 11:01	Richard Kanaly (ALPHA)	6/22/23 0645
3	Richard Kanaly (ALPHA)	6/22/23 0910	[illegible] 2.6°C	6-22-23 0920

MTJL LAB USE ONLY

Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: ____ of: ____

Table of Contents

Pace Analytical®

CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL BOLD OUTLINED AREAS are for LAB USE ONLY

Company:

Billing Information:

Address:

Report To: SEE PAGE 1 of 2

Email To:

Copy To:

Site Collection Info/Address:

Customer Project Name/Number:

State: County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET

Phone:
Email:

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print):

Purchase Order # :
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice: [ ] Yes [ ] No

Sample Disposal:
[ ] Dispose as appropriate
[ ] Return
[ ] Archive: _____
[ ] Hold:

Rush: (Expedite Charges Apply)
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day
[ ] 4 Day [ ] 5 Day

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Container Type: Plastic (P) or Glass (G)

TCL SVOC

TAL Metals / Hg

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Type	TCL SVOC	TAL Metals / Hg
10 SS-10	Soil	G	6/21/23	10:30				1	G	X	X
11 DUP 6-21-23	"	"	"	—				1	G	X	X

Lab Profile/Line:

Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: _____
Sample pH Acceptable Y N NA
pH Strips: _____
Sulfide Present Y N NA
Lead Acetate Strips: _____

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#:
Cooler 1 Temp Upon Receipt: ___oC
Cooler 1 Therm Corr. Factor: ___oC
Cooler 1 Corrected Temp: ___oC
Comments:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: ___ of: ___

	Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
1	AECOM	6/21/23 11:01	Jocelyn Tilley (AAL)	6/21/23 11:01
2	Jocelyn Tilley (AAL)	6/21/23 11:01	Rick Hanley ALPHA	6/22/23 0645
3	Rick Hanley (ALPHA)	6/22/23 0910	2.6°C	6-22-23 0920

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F:413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 V05__Sample Receiving Checklist

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Pace PEOPLE ADVANCING SCIENCE

Client AECC

Project 23031 MetZGER

MCP/RCP Required N/A

Deliverable Package Requirement N/A

Location 250 River Rd Tonawanda

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time AAM/6-22-23/0920

Back-Sheet By / Date / Time AAM/6-22-23/1041

Temperature Method Temp. Gun # 5

Temp ☑ < 6° C Actual Temperature 2.6°C

Rush Samples (Yes) / No Notify Eli, Xander

Short Hold: Yes (No) Notify

	True	False
Received on Ice	☑	☐
Received in Cooler	☐	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☑	☐
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client	☑	Analysis	☑	Sampler Name	☑
Project	☑	IDs	☑	Collection Date/Time	☑

All Samples Proper pH: (N/A) ☐ ☐

Notes regarding Samples/COC outside of SOP:

Additional Container Notes

Sample			
1	16oz Amb/Clear	Soils Jars (Circle Amb/Clear)	
2	8oz Amb/Clear		
3	4oz Amb/Clear		
4	2oz Amb/Clear		
5	Unpreserved	Ambers	1 Liter
6	HCL		
7	Sulfuric		
8	Sulfuric		250mL
9	Phosphoric		
10	HCl		
11	Unpreserved		100mL
12	Unpreserved	Plastics	1 Liter
13	Sulfuric		
14	Unpreserved		500mL
15	Sulfuric		
16	Unpreserved		250mL
17	Trizma		
18	Sulfuric		
19	Nitric		
20	NaOH		
	NaOH/Zinc		
	Unpreserved	VOA Vials	
	HCl		
	MeOH		
	D.I. Water		
	BiSulfate		
	Col/Bact	Other / Fill in	

APPENDIX C

Project Documentation Forms

INSPECTOR'S DAILY REPORT

CONTRACTOR			
CLIENT		DATE:	

LOCATION				DAY		JOB NO.	
WEATHER		TEMP	° F	START		END	

WORK PERFORMED:

CONTRACTOR ACTIVITIES:

[PUT CONTRACTOR ACTIVITIES HERE, BE SPECIFIC. TYPE OF EQUIPMENT, ACTIVITIES PERFORMED, BY WHOM, LOCATION OF LANDFILL ETC.]

TURNKEY ACTIVITIES:

[PUT ENGINEER ACTIVITIES HERE, BE SPECIFIC. TYPE OF EQUIPMENT, ACTIVITIES AND TESTING PERFORMED, SAMPLES COLLECTED, BY WHOM, LOCATION OF LANDFILL ETC.]

TEST PERFORMED		*QA PERSONNEL* SIGNATURE			
PICTURES TAKEN	none	REPORT NO.			
VISITORS	none	SHEET	1	OF	

ROUX

INSPECTOR'S DAILY REPORT

CONTRACTOR			
CLIENT		DATE:	

LOCATION				DAY		JOB NO.	
WEATHER		TEMP	° F	START		END	

INSPECTOR'S DAILY REPORT

MEETINGS HELD & RESULTS:

CONTRACTOR'S WORK FORCE AND EQUIPMENT

DESCRIPTION	*H*	#	*DESCRIPTION*	*H*	#	*DESCRIPTION*	*H*	#	*DESCRIPTION*	*H*	#
Field Engineer						Equipment			Front Loader Ton		
Superintendent			Ironworker			Generators			Bulldozer		
						Welding Equip.			DJ Dump truck		
Laborer-Foreman			Carpenter						Water Truck		
Laborer									Backhoe		
Operating Engineer			Concrete Finisher						Excavator		
						Roller			Pad foot roller		
Carpenter						Paving Equipment					
						Air Compressor					

REMARKS:

REFERENCES TO OTHER FORMS:

SAMPLES COLLECTED:					
SAMPLE NUMBER					
APPROX. LOCATION OF STOCKPILE					
NO. OF STOCKPILE					
DATE OF COLLECTION					
CLIMATOLOGIC CONDITIONS					
FIELD OBSERVATION		SHEET		OF	

DAILY LOG	DATE			
	REPORT NO.			
	PAGE		OF	

PROBLEM IDENTIFICATION REPORT

Date:

Project:

Job No:

Location:

CQA Monitor(s):

Client:

Contractor:

Contractor's Supervisor:

WEATHER CONDITIONS:

Ambient Air Temp. - A.M.:

Ambient Air Temp. - P.M.:

Wind Direction:

Wind Speed:

Precipitation:

Problem Description:

Problem Location (reference test location, sketch on back of form as appropriate):

Problem Causes:

Suggested Corrective Measures or Variances:

Linked to Corrective Measures Report No. *or Variance Log No.*

Approvals (initial):

CQA Engineer:

Project Manager:

Signed:

CQA Representative

ROUX

DAILY LOG	DATE			
	REPORT NO.			
	PAGE		OF	

CORRECTIVE MEASURES REPORT

Date:

Project:

Job No:

Location:

CQA Monitor(s):

Client:

Contractor:

Contractor's Supervisor:

WEATHER CONDITIONS:

Ambient Air Temp. - A.M.:

Ambient Air Temp. - P.M.:

Wind Direction:

Wind Speed:

Precipitation:

Corrective Measures Undertaken (reference Problem Identification Report No.)

Retesing Location:

Suggested Method of Minimizing Re-Occurrence:

Approvals (initial):

CQA Engineer:

Project Manager:

Signed:

CQA Representative

APPENDIX D

Health and Safety Plan (HASP) including CAMP

Health and Safety Plan

235 River Road
North Tonawanda, New York

August 2024

Prepared for:

235 River Road, LLC
4727 Camp Road
Hamburg, New York 14075

Prepared by:

Roux Environmental Engineering and Geology, D.P.C.
2558 Hamburg Turnpike
Suite 300
Buffalo, New York 14218

4750.0001B000/01

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1. Introduction

1.1 General

In accordance with OSHA requirements contained in 29 CFR 1910.120, this Health and Safety Plan (HASP) describes the specific health and safety practices and procedures to be employed by Roux Environmental Engineering and Geology, D.P.C. employees (referred to hereafter as "Roux") during Remedial Investigation (RI) activities at 235 River Road (Site) located in North Tonawanda, Niagara County, New York. This HASP presents procedures for Roux employees who will be involved with RI field activities; it does not cover the activities of other contractors, subcontractors, or other individuals on the Site. These firms will be required to develop and enforce their own HASPs as discussed in **Section 2.0**. Roux accepts no responsibility for the health and safety of contractor, subcontractor, or other personnel.

This HASP presents information on known Site health and safety hazards using available historical information, and identifies the equipment, materials, and procedures that will be used to eliminate or control these hazards. Environmental monitoring will be performed during field activities to provide real-time data for on-going assessment of potential hazards.

1.2 Background

The BCP Site consists of a legal parcel totaling 3.1-acres addressed at 235 River Road, North Tonawanda, New York. The BCP Site is currently developed with two existing buildings and associated parking lots.

As part of this project Roux completed historical records research, including reviews of Sanborn Fire Insurance Maps, and municipal records for additional information relative to the Site. The Site has been primarily an equipment yard and auto repair shop to support Metzger Removal's large aggregate operation located further north on River Road in North Tonawanda. Petroleum bulk storage (PBS) has also been noted on the property. Based on the PBS registration and attached inspection reports, a total of eight tanks were located on the property: Two registered exterior diesel tanks, located on the west side of the warehouse building, two unregistered used oil tanks (heating oil) located in the repair garage, and four unregistered motor oil tanks located in the repair garage. The motor oil tanks were not found within the repair garage during the Subject Property Reconnaissance, and are assumed to have been removed by Metzger Removal, Inc.

Previous environmental investigations completed at the Site have identified elevated levels of semi-volatile organic compounds (SVOCs), and metals exceeding Parts 375 Unrestricted Soil Cleanup Objectives (USCOs) and Restricted-Residential Soil Cleanup Objectives (RRSCOs).

1.3 Known and Suspected Environmental Conditions

The Site consists of one parcel located within the City of North Tonawanda, New York that totals 3.15 acres. The Site is bounded by River Road to the west, Thompson Street to the north, and Main Street to the east. To the south, the Site is adjacent to three commercial buildings including two automotive garages and a neon lighting and sign store. The property has two structures on site, which includes one single-story warehouse building in the northwestern portion of the parcel and one repair garage within the southeastern portion of the parcel. The warehouse building is currently used as an equipment and salt storage building. The repair garage is still actively used for maintenance of trucks and equipment. The remaining land area on the Site consists primarily of an overgrown gravel parking lot and driveway areas with some weathered asphalt areas to the south end of the parcel. The parcels are primarily used as a large equipment storage area for Metzger Removal, Inc. Large truck parking areas were noted along the northern, eastern, and southern side of the Site, with additional equipment storage along the exterior of both buildings and on the southern side of the Site

February 2021 – Phase 1 Environmental Site Assessment: River Road and Main Street Metzger Properties

At the request of the Niagara County Department of Economic Development, C&S Engineers, Inc. (C&S) has completed this Phase I Environmental Site Assessment report of the River Road & Main Street Metzger Properties located in North Tonawanda, New York. Based on the results of this Phase I ESA, the following findings and opinions are provided:

- An Environmental Lien and Activity Use Limitation (AUL) Search was completed by Environmental Data Resources in December 2020 for the Site parcel. The search did not find any recorded liens nor AULs on any of the Site parcel.
- The Subject Property and the surrounding area have been associated with industrial activities since at least 1886. Various lumberyards and cabinetry and housing material manufacturing including painting and woodworking have been noted on the Subject Property for approximately 100 years. Rail lines likely for the transport of lumber and other goods were noted running through the property until at least the early 1990s. Automotive shops associated with detail and repair were present on the Subject Property starting in 1986.
- Surrounding properties have also been associated with industrial uses related to the lumber industry as far back as 1886. Planing mills and lumber processing facilities have been noted to the south and east of the Subject property throughout the 1900s. Automotive repair uses and other light commercial activities have also been noted on the parcels adjacently south to the Subject Property starting in the 1990s.
- During the site reconnaissance, multiple petroleum containers (ASTs and drums) were observed on the Subject Property. Multiple empty storage containers and tanks, apparently for scrap, were found on the south side of the warehouse building and north

and east sides of the repair garage. A dirt trench has been dug, apparently for drainage, around the south side of the warehouse building leading to an onsite stormwater drop inlet.

- Multiple 55-gallon drums were located within the warehouse building. Most were empty and used as supports to place equipment on, but a few reportedly contained waste oil. The repair garage contained two tanks of waste oil (575 and 275 gallons) which were used to heat the garage through a used oil burner. Evidence of staining was observed in the repair garage building, including around both used oil tanks, likely from the filling of the tanks. The previous spills appeared to be contained by the concrete floor of the garage, but floor integrity was not able to be fully assessed because of the tanks' location.
- The database results indicate that various spills have occurred surrounding the Subject Property; however, these spills do not appear to be indicative of a REC because of their location, amount spilled, and/or immediate cleanup response. Database records do not indicate a Vapor Encroachment Condition on the Subject Property.
- The past uses of the Subject Property have been primarily industrial associated with the lumber industry, rail activities, and vehicular and automotive maintenance for over 100 years

December 2023 – Limited Phase II Environmental Site Assessment: Proposed North Tonawanda Main Street Redevelopment Site

The Asbestos & Environmental Consulting Corporation (AECC) completed a limited Phase II Environmental Site Assessment of the proposed North Tonawanda Main Street Redevelopment Site, located at 235 River Road, in North Tonawanda, New York.

Summary of Analytical Results: Based upon the anticipated development plans and potential for the Site's entry into the NYSDEC BCP, analytical results were compared to NYSDEC Part 375 SCOs for Restricted Residential use. Exceedances of Restricted Residential SCOs were identified at the following locations:

Location	Interval*	Restricted Residential SCO Exceedances**
SB-03	0 – 1 fbgs	lead
SB-04	0 – 1 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, 2-methylnaphthalene
SB-06	0-1 fbgs	benzo(a)pyrene, benzo(b)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene
	3 – 4 fbgs	arsenic
SB-07	3 – 3.5 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene
SB-08	0 – 1 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene
	7 – 7.5 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene
SS-02	0 – 1 fbgs	benzo(b)fluoranthene

SS-03	0 – 1 fbgs	2-methylnaphthalene
SS-04	0 – 1 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h} anthracene, indeno(1,2,3-cd)pyrene
SS-05	0 – 1 fbgs	2-methylnaphthalene
SS-06	0 – 1 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz[a,h} anthracene, indeno(1,2,3-cd)pyrene
SS-08	0 – 1 fbgs	indeno(1,2,3-cd)pyrene
SS-09	0 – 1 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz[a,h} anthracene, indeno(1,2,3-cd)pyrene, 2-methylnaphthalene
SS-10	0 – 1 fbgs	benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene

**Note: Sampling depth below ground surface.*

***Note: The concentrations for each contaminant may be found within the associated laboratory reports.*

1.4 Parameters of Interest

Based on the previous investigations, constituents of potential concern (COPCs) in soil and, potentially groundwater, at the Site include:

- **Polycyclic Aromatic Hydrocarbons (PAHs) –** PAHs present at elevated concentration may include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and 2-methylnaphthalene.
- **Inorganic Compound –** The inorganic COPCs potentially present at elevated concentrations are arsenic and lead.

1.5 Overview of RI Activities

Roux personnel will be on-site to observe and perform RI activities. The field activities to be completed as part of the RI are described below.

Remedial Investigation Activities

1. **Surface Soil Sampling:** Roux will collect surface soil samples for the purpose of determining the nature and extent of potential COPC impacts in the surface soil/fill.
2. **Subsurface Soil Sampling:** Roux will advance test pits and soil borings to collect subsurface soil samples for the purpose of determining the nature and extent of potential COPC impacts in the subsurface soil/fill.
3. **Monitoring Well Installation/Development and Sampling:** Roux will observe the installation of groundwater monitoring wells, develop the wells, and collect groundwater samples for the purpose of determining the nature and extent of potential COPC impacts.

4. **Soil Vapor Sampling:** Roux will advance sample points into the subsurface within a future on-Site building and throughout the Site and collect soil vapor and ambient outdoor air samples for the purpose of determining the nature and extent of potential COPC impacts.

2. Organizational Structure

This section of the HASP describes the lines of authority, responsibility, and communication as they pertain to health and safety functions at the Site. The purpose of this section is to identify the personnel who impact the development and implementation of the HASP and to describe their roles and responsibilities. This section also identifies other contractors and subcontractors involved in work operations and establishes the lines of communication among them for health and safety matters. The organizational structure described in this section is consistent with the requirements of 29 CFR 1910.120(b)(2). This section will be reviewed by the Project Manager and updated as necessary to reflect the current organizational structure at this Site.

2.1 Roles and Responsibilities

All Roux personnel on the Site must comply with the minimum requirements of this HASP. The specific responsibilities and authority of management, safety and health, and other personnel on this Site are detailed in the following paragraphs.

2.1.1 Corporate Health and Safety Director

The Roux Corporate Health and Safety Director is ***Mr. Michael Lesakowski***. The Corporate Health and Safety Director responsible for developing and implementing the Health and Safety program and policies for Roux, and consulting with corporate management to ensure adequate resources are available to properly implement these programs and policies. The Corporate Health and Safety Director coordinates Roux's Health and Safety training and medical monitoring programs and assists project management and field staff in developing site-specific health and safety plans.

2.1.2 Project Manager

The Project Manager for this Site is ***Mr. Michael Lesakowski***. The Project Manager has the responsibility and authority to direct all Roux work operations at the Site. The Project Manager coordinates safety and health functions with the Site Safety and Health Officer and bears ultimate responsibility for proper implementation of this HASP. They may delegate authority to expedite and facilitate any application of the program, including modifications to the overall project approach as necessary to circumvent unsafe work conditions. Specific duties of the Project Manager include:

- Preparing and coordinating the Site work plan.
- Providing Roux workers with work assignments and overseeing their performance.
- Coordinating health and safety efforts with the Site Safety and Health Officer (SSHO).
- Reviewing the emergency response coordination plan to assure its effectiveness.

- Serving as the primary liaison with Site contractors and the property owner.

2.1.3 Site Safety and Health Officer

The SSHO for this Site is ***Mr. Paul Werthman, P.G***. The SSHO reports to the Project Manager. The SSHO is on-site or readily accessible to the Site during all work operations and has the authority to halt Site work if unsafe conditions are detected. The specific responsibilities of the SSHO are:

- Managing the safety and health functions for Roux personnel on the Site.
- Serving as the point of contact for safety and health matters.
- Ensuring that Roux field personnel working on the Site have received proper training (per 29 CFR Part 1910.120(e)), that they have obtained medical clearance to wear respiratory protection (per 29 CFR Part 1910.134), and that they are properly trained in the selection, use and maintenance of personal protective equipment, including qualitative respirator fit testing.
- Performing or overseeing Site monitoring as required by the HASP.
- Assisting in the preparation and review of the HASP.
- Maintaining site-specific safety and health records as described in this HASP.
- Coordinating with the Project Manager, Site Workers, and Contractor's SSHO as necessary for safety and health efforts.

2.1.4 Site Workers

Site workers are responsible for: complying with this HASP or a more stringent HASP, if appropriate (i.e., Contractor and Subcontractor's HASP); using proper PPE; reporting unsafe acts and conditions to the SSHO; and following the safety and health instructions of the Project Manager and SSHO.

2.1.5 Other Site Personnel

Other Site personnel who will have health and safety responsibilities will include the Drilling Contractor, who will be responsible for developing, implementing, and enforcing a Health and Safety Plan equally stringent or more stringent than Roux's HASP. Roux assumes no responsibility for the health and safety of anyone outside its direct employment. Each Contractor's HASP shall cover all non-Roux Site personnel. Each Contractor shall assign a SSHO who will coordinate with Roux's SSHO as necessary to ensure effective lines of communication and consistency between contingency plans.

In addition to Roux and Contractor personnel, other individuals who may have responsibilities in the work zone include subcontractors and governmental agencies performing Site inspection work (i.e., the New York State Department of Environmental Conservation). The Contractor shall be responsible for ensuring that these individuals have received OSHA-required training (29 CFR

1910.120(e)), including initial, refresher and site-specific training, and shall be responsible for the safety and health of these individuals while they are on-site.

3. Hazard Evaluation

Due to the presence of certain contaminants at the Site, the possibility exists that workers will be exposed to hazardous substances during field activities. The principal points of exposure would be through direct contact with and incidental ingestion of soil, and through the inhalation of contaminated particles or vapors. Other points of exposure may include direct contact with groundwater. In addition, the use of drilling and/or medium to large-sized construction equipment (e.g., excavator) will also present conditions for potential physical injury to workers. Further, since work will be performed outdoors, the potential exists for heat/cold stress to impact workers, especially those wearing protective equipment and clothing. Adherence to the medical evaluations, worker training relative to chemical hazards, safe work practices, proper personal protection, environmental monitoring, establishment work zones and Site control, appropriate decontamination procedures and contingency planning outlined herein will reduce the potential for chemical exposures and physical injuries.

3.1 Chemical Hazards

As discussed in Section 1.3, VOC and inorganic impacts have been identified at the Site. Table 1 lists exposure limits for airborne concentrations of the COPCs identified in Section 1.4 of this HASP. Brief descriptions of the toxicology of the prevalent COPCs and related health and safety guidance and criteria are provided below.

- **Polycyclic Aromatic Hydrocarbons (PAHs)** are formed as a result of the pyrolysis and incomplete combustion of organic matter such as fossil fuel. PAH aerosols formed during the combustion process disperse throughout the atmosphere, resulting in the deposition of PAH condensate in soil, water and on vegetation. In addition, several products formed from petroleum processing operations (e.g., roofing materials and asphalt) also contain elevated levels of PAHs. Hence, these compounds are widely dispersed in the environment. PAHs are characterized by a molecular structure containing three or more fused, unsaturated carbon rings. Seven of the PAHs are classified by USEPA as probable human carcinogens (USEPA Class B2). These are: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and 2-methylnaphthalene. The primary route of exposure to PAHs is through incidental ingestion and inhalation of contaminated particulates. PAHs are characterized by an organic odor and exist as oily liquids in pure form. Acute exposure symptoms may include acne-type blemishes in areas of the skin exposed to sunlight.
- **Arsenic (CAS #7440-38-2)** is a naturally occurring element and is usually found combined with one or more elements, such as oxygen or sulfur. Inhalation is a more important exposure route than ingestion. First phase exposure symptoms include nausea, vomiting, diarrhea and pain in the stomach. Prolonged contact is corrosive to the skin and mucus membranes. Arsenic is considered a Group A human carcinogen

by the USEPA. Exposure via inhalation is associated with an increased risk of lung cancer. Exposure via the oral route is associated with an increased risk of skin cancer.

- **Lead (CAS #7439-92-1)** is a heavy bluish-gray metal that is lustrous when freshly cut. It is rarely found as a pure metal but rather is complexed with other elements to form lead compounds. It is easily malleable, smelted, and can be added to other metals to form alloys. Resistant to air and water corrosion, it does not mix easily with many solvents but will react with hot acids such as nitric and sulfuric. Burning with a bluish-white flame, powdered lead displays pyrophoricity and releases toxic fumes when burned.

With respect to the anticipated RI activities discussed in Section 1.5, possible routes of exposure to the above-mentioned contaminants are presented in Table 2. The use of proper respiratory equipment, as outlined in Section 7.0 of this HASP, will minimize the potential for exposure to airborne contamination, if deemed necessary. Exposure to contaminants through dermal and other routes will also be minimized through the use of safe work practices (Section 6.0), protective clothing (Section 7.0), and proper decontamination procedures (Section 12.0).

3.2 Physical Hazards

RI field activities at 235 River Road may present the following physical hazards:

- The potential for physical injury during heavy construction equipment use, such as backhoes, excavators, and drilling equipment.
- The potential for heat/cold stress to employees during the summer/winter months (see Section 10.0).
- The potential for slip and fall injuries due to rough, uneven terrain and/or open excavations.

These hazards represent only some of the possible means of injury that may be present during RI operations and sampling activities at the Site. Since it is impossible to list all potential sources of injury, it shall be the responsibility of each individual to exercise proper care and caution during all phases of the work.

4. Training

4.1 Site Workers

All personnel performing RI activities at the Site (such as, but not limited to, equipment operators, general laborers, and drillers) and who may be exposed to hazardous substances, health hazards, or safety hazards and their supervisors/managers responsible for the Site shall receive training in accordance with 29 CFR 1910.120(e) before they are permitted to engage in operations in the exclusion zone or contaminant reduction zone. This training includes an initial 40-hour Hazardous Waste Site Worker Protection Course, an 8-hour Annual Refresher Course subsequent to the initial 40-hour training, and 3 days of actual field experience under the direct supervision of a trained, experienced supervisor. Additional site-specific training shall also be provided by the SSHO prior to the start of field activities. A description of topics to be covered by this training is provided below.

4.1.1 Initial and Refresher Training

Initial and refresher training is conducted by a qualified instructor as specified under OSHA 29 CFR 1910.120(e)(5) and is specifically designed to meet the requirements of OSHA 29 CFR 1910.120(e)(3) and 1910.120(e)(8). The training covers, as a minimum, the following topics:

- OSHA HAZWOPER regulations.
- Site safety and hazard recognition, including chemical and physical hazards.
- Medical monitoring requirements.
- Air monitoring, permissible exposure limits, and respiratory protection level classifications.
- Appropriate use of personal protective equipment (PPE), including chemical compatibility and respiratory equipment selection and use.
- Work practices to minimize risk.
- Work zones and Site control.
- Safe use of engineering controls and equipment.
- Decontamination procedures.
- Emergency response and escape.
- Confined space entry procedures.
- Heat and cold stress monitoring.
- Elements of a Health and Safety Plan.
- Spill containment.

Initial training also incorporates workshops for PPE and respiratory equipment use (Levels A, B and C), and respirator fit testing. Records and certification received from the course instructor documenting each employee's successful completion of the training identified above are maintained on file at Roux's Buffalo, NY office. Contractors and Subcontractors are required to provide similar documentation of training for all their personnel who will be involved in on-site work activities.

Any employee who has not been certified as having received health and safety training in conformance with 29 CFR 1910.120(e) is prohibited from working in the exclusion and contamination reduction zones, or to engage in any on-site work activities that may involve exposure to hazardous substances or wastes.

4.1.2 Site Training

Site workers are given a copy of the HASP and provided with a site-specific briefing prior to the commencement of work to ensure that employees are familiar with the HASP and the information and requirements it contains. The Site briefing shall be provided by the SSHO prior to initiating field activities and shall include:

- Names of personnel and alternates responsible for Site safety and health.
- Safety, health, and other hazards present on the Site.
- The site layout including work zones and places of refuge.
- The emergency communications system and emergency evacuation procedures.
- Use of PPE.
- Work practices by which the employee can minimize risks from hazards.
- Safe use of engineering controls and equipment on the site.
- Medical surveillance, including recognition of symptoms and signs of over-exposure as described in Chapter 5 of this HASP.
- Decontamination procedures as detailed in Chapter 12 of this HASP.
- The emergency response plan is detailed in Chapter 15 of this HASP.
- Confined space entry procedures, if required, as detailed in Chapter 13 of this HASP.
- The spill containment program as detailed in Chapter 9 of this HASP.
- Site control as detailed in Chapter 11 of this HASP.

Supplemental health and safety briefings will also be conducted by the SSHO on an as-needed basis during the course of the work. Supplemental briefings are provided as necessary to notify employees of any changes to this HASP as a result of information gathered during ongoing Site characterization and analysis. Conditions for which the SSHO may schedule additional briefings

include but are not limited to: a change in Site conditions (e.g., based on monitoring results); changes in the work schedule/plan; newly discovered hazards; and safety incidents occurring during Site work.

4.2 Supervisor Training

On-site safety and health personnel who are directly responsible for or who supervise the safety and health of workers engaged in hazardous waste operations (i.e., SSHO) shall receive, in addition to the appropriate level of worker training described in Section 4.1, above, eight additional hours of specialized supervisory training, in compliance with 29 CFR 1910.120(e)(4).

4.3 Emergency Response Training

Emergency response training is addressed in Attachment A of this HASP, Emergency Response Plan.

4.4 Site Visitors

Each Contractor's SSHO will provide a site-specific briefing to all Site visitors and other non-Roux personnel who enter the Site beyond the Site entry point. The site-specific briefing will provide information about Site hazards, the Site layout including work zones and places of refuge, the emergency communications system and emergency evacuation procedures, and other pertinent safety and health requirements as appropriate.

Site visitors will not be permitted to enter the exclusion zone or contaminant reduction zones unless they have received the level of training required for Site workers as described in Section 4.1.

5. Medical Monitoring

Medical monitoring examinations are provided to Roux employees as stipulated under 29 CFR Part 1910.120(f). These exams include initial employment, annual and employment termination physicals for all Roux employees involved in hazardous waste site field operations. Post-exposure examinations are also provided for employees who may have been injured, received a health impairment, or developed signs or symptoms of over-exposure to hazardous substances or were accidentally exposed to substances at concentrations above the permissible exposure limits without necessary personal protective equipment. Such exams are performed as soon as possible following development of symptoms or the known exposure event.

Medical evaluations are performed by Health Works, an occupational health care provider under contract with Roux. Health Works is in Seneca Square Plaza, 1900 Ridge Road, West Seneca, New York 14224. The facility can be reached at (716) 823-5050 to schedule routine appointments or post-exposure examinations.

Medical evaluations are conducted according to the Roux Medical Monitoring Program and include an evaluation of the workers' ability to use respiratory protective equipment. The examinations include:

- Occupational/medical history review.
- Physical exam, including vital sign measurement.
- Spirometry testing.
- Eyesight testing.
- Audio testing (minimum baseline and exit, annual for employees routinely exposed to greater than 85db).
- EKG (for employees >40 yrs age or as medical conditions dictate).
- Chest X-ray (baseline and exit, and every 5 years).
- Blood biochemistry (including blood count, white cell differential count, serum multiplastic screening).
- Medical certification of physical requirements (i.e., sight, musculoskeletal, cardiovascular) for safe job performance and to wear respiratory protection equipment.

The purpose of the medical evaluation is to determine an employee's fitness for duty on hazardous waste sites; and to establish baseline medical data. In conformance with OSHA regulations, Roux will maintain and preserve medical records for a period of 30 years following termination of employment. Employees are provided with a copy of the physician's post-exam

report and have access to their medical records and analyses.

6. Safe Work Practices

All Roux employees shall conform to the following safe work practices during all on-site work activities conducted within the exclusion and contamination reduction zones:

- Eating, drinking, chewing gum or tobacco, smoking, or any practice that increases the probability of hand-to-mouth contact is strictly prohibited.
- The hands and face must be thoroughly washed upon leaving the work area and prior to engaging in any activity indicated above.
- Respiratory protective equipment and clothing must be worn by all personnel entering the Site as required by the HASP or as modified by the Site safety officer. Excessive facial hair (i.e., beards, long mustaches, or sideburns) that interferes with the satisfactory respirator-to-face seal is prohibited.
- Contact with surfaces/materials either suspected or known to be contaminated will be avoided to minimize the potential for transfer to personnel, cross contamination and need for decontamination.
- Medicine and alcohol can synergize the effects of exposure to toxic chemicals. Due to possible contraindications, use of prescribed drugs should be reviewed with the Roux occupational physician. Alcoholic beverages and illegal drug intake are strictly forbidden during the workday.
- All personnel shall be familiar with standard operating safety procedures and additional instructions contained in this Health and Safety Plan.
- On-site personnel shall use the “buddy” system. No one may work alone (i.e., out of earshot or visual contact with other workers) in the exclusion zone.
- Personnel and equipment in the contaminated area shall be minimized, consistent with effective Site operations.
- All employees have the obligation to immediately report and if possible, correct unsafe work conditions.
- Use of contact lenses on-site will not be permitted. Spectacle kits for insertion into full-face respirators will be provided for Roux employees, as requested, and required.

The recommended specific safety practices for working around the contractor’s equipment (e.g., backhoes, bulldozers, excavators, drill rigs etc.) are as follows:

  - Although the Contractor and subcontractors are responsible for their equipment and safe operation of the Site, Roux personnel are also responsible for their own safety.
  - Subsurface work will not be initiated without first clearing underground utility services.

- Heavy equipment should not be operated within 20 feet of overhead wires. This distance may be increased if windy conditions are anticipated or if lines carry high voltage. The Site should also be sufficiently clear to ensure the project staff can move around the heavy machinery safely.
- Care should be taken to avoid overhead wires when moving heavy equipment from location to location.
- Hard hats, safety boots and safety glasses should be always worn in the vicinity of heavy equipment. Hearing protection is also recommended.
- The work Site should be kept neat. This will prevent personnel from tripping and will allow for fast emergency exit from the Site.
- Proper lighting must be provided when working at night.
- Construction activities should be discontinued during an electrical storm or severe weather conditions.
- The presence of combustible gases should be checked before igniting any open flame.
- Personnel shall stand upwind of any construction operation when not immediately involved in sampling/logging/observing activities.
- Personnel will not approach the edge of an unsecured trench/excavation closer than two feet.

7. Personal Protective Equipment

7.1 Equipment Selection

PPE will be donned when work activities may result in exposure to physical or chemical hazards beyond acceptable limits, and when such exposure can be mitigated through appropriate PPE. The selection of PPE will be based on an evaluation of the performance characteristics of the PPE relative to the requirements and limitations of the Site, the task-specific conditions and duration, and the hazards and potential hazards identified at the Site.

Equipment designed to protect the body against contact with known or suspected chemical hazards are grouped into four categories according to the degree of protection afforded. These categories designated A through D consistent with United States Environmental Protection Agency (USEPA) Level of Protection designation, are:

- Level A: Should be selected when the highest level of respiratory, skin and eye protection is needed.
- Level B: Should be selected when the highest level of respiratory protection is needed, but a lesser level of skin protection is required. Level B protection is the minimum level recommended on initial Site entries until the hazards have been further defined by on-site studies. Level B (or Level A) is also necessary for oxygen-deficient atmospheres.
- Level C: Should be selected when the types of airborne substances are known, the concentrations have been measured and the criteria for using air-purifying respirators are met. In atmospheres where no airborne contaminants are present, Level C provides dermal protection only.
- Level D: Should not be worn on any Site with elevated respiratory or skin hazards. This is generally a work uniform providing minimal protection.

OSHA requires the use of certain PPE under conditions where an immediate danger to life and health (IDLH) may be present. Specifically, OSHA 29 CFR 1910.120(g)(3)(iii) requires use of a positive pressure self-contained breathing apparatus, or positive pressure air-line respirator equipped with an escape air supply when chemical exposure levels present a substantial possibility of immediate serious injury, illness, or death, or impair the ability to escape. Similarly, OSHA 29 CFR 1910.120(g)(3)(iv) requires donning totally encapsulating chemical protective suits (with a protection level equivalent to Level A protection) in conditions where skin absorption of a hazardous substance may result in a substantial possibility of immediate serious illness, injury, or death, or impair the ability to escape.

In situations where the types of chemicals, concentrations, and possibilities of contact are unknown, the appropriate level of protection must be selected based on professional experience and judgment until the hazards can be further characterized. The individual components of clothing and equipment must be assembled into a full protective ensemble to protect the worker from site-specific hazards, while at the same time minimizing hazards and drawbacks of the

personal protective gear itself. Ensemble components are detailed below for levels A/B, C, and D protection.

7.2 Protection Ensembles

7.2.1 Level A/B Protection Ensemble

Level A/B ensembles include similar respiratory protection; however, Level A provides a higher degree of dermal protection than Level B. Use of Level A over Level B is determined by comparing the concentrations of identified substances in the air with skin toxicity data and assessing the effect of the substance (by its measured air concentrations or splash potential) on the small area of the head and neck unprotected by Level B clothing.

The recommended PPE for level A/B is:

- Pressure-demand, full-face piece self-contained breathing apparatus (MSHA/-NIOSH approved) or pressure-demand supplied-air respirator with escape self-contained breathing apparatus (SCBA);
- Chemical-resistant clothing. For Level A, clothing consists of totally encapsulating chemical resistant suit. Level B incorporates hooded one-or two-piece chemical splash suit;
- Inner and outer chemical resistant gloves;
- Chemical-resistant safety boots/shoes; and
- Hardhat.

7.2.2 Level C Protection Ensemble

Level C protection is distinguished from Level B by the equipment used to protect the respiratory system, assuming the same type of chemical-resistant clothing is used. The main selection criterion for Level C is that conditions permit wearing an air-purifying device. The device (when required) must be an air-purifying respirator (MSHA/NIOSH approved) equipped with filter cartridges. Cartridges must be able to remove the substances encountered. Respiratory protection will be used only with proper fitting, training, and the approval of a qualified individual. In addition, an air-purifying respirator can be used only if: oxygen content of the atmosphere is at least 19.5% in volume; substances are identified and concentrations measured; substances have adequate warning properties; the individual passes a qualitative fit-test for the mask; and an appropriate cartridge/canister is used, and its service limit concentration is not exceeded.

Recommended PPE for Level C conditions includes:

- Full-face piece, air-purifying respirator equipped with MSHA and NIOSH approved organic vapor/acid gas/dust/mist combination cartridges or as designated by the SSHO;
- Chemical-resistant clothing (hooded, one or two-piece chemical splash suit or disposable chemical-resistant one-piece suit);

- Inner and outer chemical-resistant gloves;
- Chemical-resistant safety boots/shoes; and
- Hardhat.

An air-monitoring program is part of all response operations when atmospheric contamination is known or suspected. It is particularly important that the air be monitored thoroughly when personnel are wearing air-purifying respirators. Continual surveillance using direct-reading instruments is needed to detect any changes in air quality necessitating a higher level of respiratory protection.

7.2.3 Level D Protection Ensemble

As indicated above, Level D protection is primarily a work uniform. It can be worn in areas where only boots can be contaminated, where there are no inhalable toxic substances and where the atmosphere contains at least 19.5% oxygen.

Recommended PPE for Level D includes:

- Coveralls;
- Safety boots/shoes;
- Safety glasses or chemical splash goggles;
- Hardhat; and
- Optional gloves, escape mask; face shield.

7.2.4 Recommended Level of Protection for Site Tasks

Based upon current information regarding both the contaminants suspected to be present at the Site and the various tasks that are included in the remedial activities, the minimum required levels of protection for these tasks shall be as identified in Table 3.

8. Exposure Monitoring

8.1 General

Based on the results of historic sample analysis and the nature of the proposed work activities at the Site, the possibility exists that organic vapors and/or particulates may be released to the air during intrusive construction activities. Ambient breathing zone concentrations may at times exceed the permissible exposure limits (PELs) established by OSHA for the individual compounds (see Table 1), in which case respiratory protection will be required. Respiratory and dermal protection may be modified (upgraded or downgraded) by the SSHO based upon real-time field monitoring data.

8.1.1 On-Site Work Zone Monitoring

Roux personnel will conduct routine, real-time air monitoring during all intrusive construction phases such as excavation, backfilling, drilling, etc. The work area will be monitored at regular intervals using a PID, combustible gas meter and a particulate meter. Observed values will be recorded and maintained as part of the permanent field record.

Additional air monitoring measurements may be made by Roux personnel to verify field conditions during subcontractor oversight activities. Monitoring instruments will be protected from surface contamination during use. Additional monitoring instruments may be added if the situations or conditions change. Monitoring instruments will be calibrated in accordance with manufacturer's instructions before use.

8.1.2 Off-Site Community Air Monitoring

In addition to on-site monitoring within the work zone(s), monitoring at the downwind portion of the Site perimeter will be conducted. This will provide a real-time method for determination of vapor and/or particulate releases to the surrounding community as a result of ground intrusive investigation work.

Ground intrusive activities are defined in the Generic Community Air Monitoring Plan and attached as Attachment C. Ground intrusive activities include soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells. Non-intrusive activities include the collection of soil and sediment samples or the collection of groundwater samples from existing wells. Continuous monitoring is required for ground intrusive activities and periodic monitoring is required for non-intrusive activities. Periodic monitoring consists of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring while bailing a well, and taking a reading prior to leaving a sampling location. This may be upgraded to continuous if the sampling location is in close proximity to individuals not

involved in the Site activity (i.e., on a curb of a busy street). The action levels below will be used during periodic monitoring.

8.2 Monitoring Action Levels

8.2.1 On-Site Work Zone Action Levels

The PID, or other appropriate instrument(s), will be used by Roux personnel to monitor organic vapor concentrations as specified in this HASP. Combustible gas will be monitored with the "combustible gas" option on the combustible gas meter or other appropriate instrument(s). In addition, fugitive dust/particulate concentrations will be monitored during major soil intrusion (viz., well/boring installation) using a real-time particulate monitor as specified in this plan. In the absence of such monitoring, appropriate respiratory protection for particulates shall be donned. Sustained readings obtained in the breathing zone may be interpreted (with regard to other Site conditions) as follows for Roux personnel:

- Total atmospheric concentrations of unidentified vapors or gases ranging from 0 to 1 ppm above background on the PID) - Continue operations under Level D (see Appendix A).
- Total atmospheric concentrations of unidentified vapors or gases yielding sustained readings from >1 ppm to 5 ppm above background on the PID (vapors not suspected of containing high levels of chemicals toxic to the skin) - Continue operations under Level C (see Appendix A).
- Total atmospheric concentrations of unidentified vapors or gases yielding sustained readings of >5 ppm to 50 ppm above background on the PID - Continue operations under Level B (see Appendix A), re-evaluate and alter (if possible) construction methods to achieve lower vapor concentrations.
- Total atmospheric concentrations of unidentified vapors or gases above 50 ppm on the PID - Discontinue operations and exit the work zone immediately.

The particulate monitor will be used to monitor respirable dust concentrations during all intrusive activities and during handling of Site soil/fill. Action levels based on the instrument readings shall be as follows:

- Less than 50 mg/m^3 - Continue field operations.
- 50-150 mg/m^3 - Don dust/particulate mask or equivalent
- Greater than 150 mg/m^3 - Don dust/particulate mask or equivalent. Initiate engineering controls to reduce respirable dust concentration (viz., wetting of excavated soils or tools at discretion of Site Health and Safety Officer).

Readings from the field equipment will be recorded and documented on the appropriate Project Field Forms. All instruments will be calibrated before use daily and the procedure will be documented on the appropriate Project Field Forms.

8.2.2 Community Air Monitoring Action Levels

In addition to the action levels prescribed in Section 8.2.1 for Roux personnel on-site, the following criteria shall also be adhered to for the protection of downwind receptors consistent with NYSDOH requirements (Attachment C):

- ORGANIC VAPOR PERIMETER MONITORING:
    1. If the sustained ambient air concentration of organic vapors at the downwind perimeter of the exclusion zone exceeds 5 ppm above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the sustained organic vapor decreases below 5 ppm over background, work activities can resume with continued monitoring.
    2. If the sustained ambient air concentration of organic vapors at the downwind perimeter of the exclusion zone are greater than 5 ppm over background but less than 25 ppm for the 15-minute average, activities can resume provided that: the organic vapor level 200 feet downwind of the working site or half the distance to the nearest off-site residential or commercial structure, whichever is less, but in no case less than 20 feet, is below 5 ppm over background; and more frequent intervals of monitoring, as directed by the Site Health and Safety Officer, are conducted.
    3. If the sustained organic vapor level is above 25 ppm at the perimeter of the exclusion zone for the 15-minute average, the Site Health and Safety Officer must be notified, and work activities shut down. The Site Health and Safety Officer will determine when re-entry of the exclusion zone is possible and will implement downwind air monitoring to ensure vapor emissions do not impact the nearest off-site residential or commercial structure at levels exceeding those specified in the Organic Vapor Contingency Monitoring Plan below. All readings will be recorded and will be available for New York State Department of Environmental Conservation (DEC) and Department of Health (DOH) personnel to review.
- ORGANIC VAPOR CONTINGENCY MONITORING PLAN:
    1. If the sustained organic vapor level is greater than 5 ppm over background 200 feet downwind from the work area or half the distance to the nearest off-site residential or commercial property, whichever is less, all work activities must be halted.
    2. If, following the cessation of the work activities or as the result of an emergency, sustained organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest off-site residential or commercial property from the work area, then the air quality must be monitored within 20 feet of the perimeter of the nearest off-site residential or commercial structure (20-foot zone).

3. If efforts to abate the emission source are unsuccessful and if sustained organic vapor levels approach or exceed 5 ppm above background within the 20-foot zone for more than 30 minutes or are sustained at levels greater than 10 ppm above background for longer than one minute, then the Major Vapor Emission Response Plan (see below) will automatically be placed into effect.

- MAJOR VAPOR EMISSION RESPONSE PLAN:

  Upon activation, the following activities will be undertaken:

  1. All Emergency Response Contacts listed in this Health and Safety Plan and the Emergency Response Plan (Attachment A) will be advised.
  2. The local police authorities will immediately be contacted by the Site Health and Safety Officer and advised of the situation.
  3. Frequent air monitoring will be conducted at 30-minute intervals within the 20-foot zone. If two sustained successive readings below action levels are measured, air monitoring may be halted or modified by the Site Health and Safety Officer.

The following personnel are to be notified in the listed sequence if a Major Vapor Emission Plan is activated:

Responsible Person	Contact	Phone Number
SSHO	Police	911
SSHO	State Emergency Response Hotline	(800) 457-7362

Additional emergency numbers are listed in the Emergency Response Plan included as Attachment A.

- EXPLOSIVE VAPORS:

  1. Sustained atmospheric concentrations of greater than 10% LEL in the work area - Initiate combustible gas monitoring at the downwind portion of the Site perimeter.
  2. Sustained atmospheric concentrations of greater than 10% LEL at the downwind Site perimeter – Halt work and contact local Fire Department.

- AIRBORNE PARTICULATE COMMUNITY AIR MONITORING

  Respirable (PM-10) particulate monitoring will be performed on a continuous basis at the upwind and downwind perimeter of the exclusion zone. The monitoring will be performed using real-time monitoring equipment capable of measuring PM-10 and integrating over a period of 15-minutes for comparison to the airborne particulate action levels. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration will be visually assessed during all work activities. All readings will be recorded and will be available for NYSDEC and NYSDOH review. Readings will be interpreted as follows:

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (ug/m3) greater than the background (upwind perimeter) reading 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 provided that the downwind PM-10 particulate levels do not exceed 150 ug/m3 above the upwind level and that visible dust is not migrating from the work area.
2. If, after implementation of dust suppression techniques downwind PM-10 levels are greater than 150 ug/m3 above the upwind level, work activities must be stopped and dust suppression controls re-evaluated. Work can resume provided that supplemental dust suppression measures and/or other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 ug/m3 of the upwind level and in preventing visible dust migration.

Pertinent emergency response information including the telephone number of the Fire Department is included in the Emergency Response Plan (Attachment A).

9. Spill Release/Response

This chapter of the HASP describes the potential for, and procedures related to spills or releases of known or suspected petroleum and/or hazardous substances on the Site. The purpose of this Section of the HASP is to plan appropriate response, control, countermeasures, and reporting, consistent with OSHA requirements in 29 CFR 1910.120(b)(4)(ii)(J) and (j)(1)(viii). The spill containment program addresses the following elements:

- Potential hazardous material spills and available controls.
- Initial notification and evaluation.
- Spill response.
- Post-spill evaluation.

9.1 Potential Spills and Available Controls

An evaluation was conducted to determine the potential for hazardous material and oil/petroleum spills at this Site. For this evaluation, hazardous materials posing a significant spill potential are:

- CERCLA Hazardous Substances as identified in 40 CFR Part 302, where such materials pose the potential for release in excess of their corresponding Reportable Quantity (RQ).
- Extremely Hazardous Substances as identified in 40 CFR Part 355, Appendix A, where such materials pose the potential for release in excess of their corresponding Reportable Quantity (RQ).
- Hazardous Chemicals as defined under Section 311(e) of the Emergency Planning and Community Right-To-Know Act of 1986, where such chemicals are present or will be stored in excess of 10,000 lbs.
- Toxic Chemicals as defined in 40 CFR Part 372, where such chemicals are present or will be stored in excess of 10,000 lbs.
- Chemicals regulated under 6NYCRR Part 597, where such materials pose the potential for release in excess of their corresponding Reportable Quantity (RQ).
- Oil/petroleum products are considered to pose a significant spill potential whenever the following situations occur:
- The potential for a “harmful quantity” of oil (including petroleum and non-petroleum-based fuels and lubricants) to reach navigable waters of the U.S. exists (40 CFR Part 112.4). Harmful quantities are considered by USEPA to be volumes that could form a visible sheen on the water or violate applicable water quality standards.
- The potential for any amount of petroleum to reach any waters of NY State, including groundwater, exists. Petroleum, as defined by NY State in 6NYCRR Part 612, is a petroleum-based heat source, energy source, or engine lubricant/maintenance fluid.

- The potential for any release, to soil or water, of petroleum from a bulk storage facility regulated under 6NYCRR Part 612. A regulated petroleum storage facility is defined by NY State as a site having stationary tank(s) and intra-facility piping, fixtures, and related equipment with an aggregate storage volume of 1,100 gallons or greater.

The evaluation indicates that, based on Site history and decommissioning records, a hazardous material spill and/or a petroleum product spill is not likely to occur during RI efforts.

9.2 Initial Spill Notification and Evaluation

Any worker who discovers a hazardous substance or oil/petroleum spill will immediately notify the Project Manager and SSHO. The worker will, to the best of his/her ability, report the material involved, the location of the spill, the estimated quantity of material spilled, the direction/flow of the spill material, related fire/explosion incidents, if any, and any associated injuries. The Emergency Response Plan presented in Appendix A of this HASP will immediately be implemented if an emergency release has occurred.

Following the initial report of a spill, the Project Manager will make an evaluation as to whether the release exceeds RQ levels. If an RQ level is exceeded, the Project Manager will notify the Site owner and NYSDEC at 1-800-457-7362 within 2 hours of spill discovery. The Project Manager will also determine what additional agencies (e.g., USEPA) are to be contacted regarding the release, and will follow up with written reports as required by the applicable regulations.

9.3 Spill Response

For all spill situations, the following general response guidelines will apply:

- Only those personnel involved in overseeing or performing containment operations will be allowed within the spill area. If necessary, the area will be roped, ribboned, or otherwise blocked off to prevent unauthorized access.
- Appropriate PPE, as specified by the SSHO, will be donned before entering the spill area.
- Ignition points will be extinguished/removed if fire or explosion hazards exist.
- Surrounding reactive materials will be removed.
- Drains or drainage in the spill area will be blocked to prevent inflow of spilled materials or applied materials.

For minor spills, the Contractor will maintain a Spill Control and Containment Kit in the Field Office or other readily accessible storage location. The kit will consist of, at a minimum, a 50 lb. bag of “speedy dry” granular absorbent material, absorbent pads, shovels, empty 5-gallon pails and an empty open-top 55-gallon drum. Spilled materials will be absorbed and shoveled into a 55-gallon drum for proper disposal (NYSDEC approval will be secured for on-site treatment of the impacted soils/absorbent materials, if applicable). Impacted soils will be hand-excavated to the point that no visible signs of contamination remains and will be drummed with the absorbent.

In the event of a major release or a release that threatens surface water, a spill response contractor will be called to the Site. The response contractor may use heavy equipment (e.g., excavator, backhoe, etc.) to berm the soils surrounding the spill Site or create diversion trenching to mitigate overland migration or release to navigable waters. Where feasible, pumps will be used to transfer free liquid to storage containers. Spill control/cleanup contractors in the Western New York area that may be contacted for assistance include:

- The Environmental Service Group of NY, Inc.: (716) 695-6720
- Environmental Products and Services, Inc.: (716) 447-4700
- Op-Tech: (716) 873-7680

9.4 Post-Spill Evaluation

If a reportable quantity of hazardous material or oil/petroleum is spilled as determined by the Project Manager, a written report will be prepared as indicated in Section 9.2. The report will identify the root cause of the spill, type and amount of material released, date/time of release, response actions, agencies notified and/or involved in cleanup, and procedures to be implemented to avoid repeat incidents. In addition, all re-useable spill cleanup and containment materials will be decontaminated, and spill kit supplies/disposable items will be replenished.

10. Heat/Cold Stress Monitoring

Since some of the work activities at the Site will be scheduled for both the summer and winter months, measures will be taken to minimize heat/cold stress to Roux employees. The Site Safety and Health Officer and/or his or her designee will be responsible for monitoring Roux field personnel for symptoms of heat/cold stress.

10.1 Heat Stress Monitoring

Personal protective equipment may place an employee at risk of developing heat stress, a common and potentially serious illness often encountered at construction, landfill, waste disposal, industrial or other unsheltered sites. The potential for heat stress is dependent on several factors, including environmental conditions, clothing, workload, physical condition, and age. Personal protective equipment may severely reduce the body's normal ability to maintain temperature equilibrium (via evaporation and convection) and require increased energy expenditure due to its bulk and weight.

Proper training and preventive measures will mitigate the potential for serious illness. Heat stress prevention is particularly important because once a person suffers from heat stroke or heat exhaustion, that person may be predisposed to additional heat related illness. To avoid heat stress, the following steps should be taken:

- Adjust work schedules.
- Modify work/rest schedules according to monitoring requirements.
- Mandate work slowdowns as needed.
- Perform work during cooler hours of the day if possible or at night if adequate lighting can be provided.
- Provide shelter (air-conditioned, if possible) or shaded areas to protect personnel during rest periods.
- Maintain worker's body fluids at normal levels. This is necessary to ensure that the cardiovascular system functions adequately. Daily fluid intake must approximately equal the amount of water lost in sweat (i.e., eight fluid ounces must be ingested for approximately every 1 lb of weight lost). The normal thirst mechanism is not sensitive enough to ensure that enough water will be consumed to replace lost perspiration. When heavy sweating occurs, workers should be encouraged to drink more.
- Train workers to recognize the symptoms of heat related illness.

Heat-Related Illness - Symptoms:

- Heat rash may result from continuous exposure to heat or humid air.
- Heat cramps are caused by heavy sweating with inadequate electrolyte replacement. Signs and symptoms include muscle spasms, pain in the hands, feet, and abdomen.

- Heat exhaustion occurs from increased stress on various body organs including inadequate blood circulation due to cardiovascular insufficiency or dehydration. Signs and symptoms include pale, cool, moist skin; heavy sweating; dizziness; nausea; fainting.
- Heat stroke is the most serious form of heat stress. Temperature regulation fails and the body temperature rises to critical levels. Immediate action must be taken to cool the body before serious injury and death occur. Competent medical help must be obtained. Signs and symptoms are red, hot, usually dry skin; lack of or reduced perspiration; nausea; dizziness and confusion; strong, rapid pulse; coma.

The monitoring of personnel wearing protective clothing should commence when the ambient temperature is 70 degrees Fahrenheit or above. For monitoring the body's recuperative ability to excess heat, one or more of the following techniques should be used as a screening mechanism.

- Heart rate may be measured by the radial pulse for 30 seconds as early as possible in the resting period. The rate at the beginning of the rest period should not exceed 100 beats per minute. If the rate is higher, the next work period should be shortened by 10 minutes (or 33%), while the length of the rest periods stay the same. If the pulse rate is 100 beats per minute at the beginning of the nest rest period, the following work cycle should be further shortened by 33%.
- Body temperature may be measured orally with a clinical thermometer as early as possible in the resting period. Oral temperature at the beginning of the rest period should not exceed 99.6 degrees Fahrenheit. If it does, the next work period should be shortened by 10 minutes (or 33%), while the length of the rest period remains the same. However, if the oral temperature exceeds 99.6 degrees Fahrenheit at the beginning of the next period, the work cycle may be further shortened by 33%. Oral temperature should be measured at the end of the rest period to make sure that it has dropped below 99.6 degrees Fahrenheit. No Roux employee will be permitted to continue wearing semi-permeable or impermeable garments when his/her oral temperature exceeds 100.6 degrees Fahrenheit.

10.2 Cold Stress Monitoring

Exposure to cold conditions may result in frostbite or hypothermia, each of which progresses in stages as shown below.

- Frostbite occurs when body tissue (usually on the extremities) begins to freeze. The three states of frostbite are:

    1. Frost nip - This is the first stage of the freezing process. It is characterized by a whitened area of skin, along with a slight burning or painful sensation. Treatment consists of removing the victim from the cold conditions, removal of boots and gloves, soaking the injured part in warm water (102 to 108 degrees Fahrenheit) and drinking a warm beverage. Do not rub skin to generate friction/ heat.
    2. Superficial Frostbite - This is the second stage of the freezing process. It is characterized by a whitish gray area of tissue, which will be firm to the touch but will yield little pain. The treatment is identical for Frost nip.

3. Deep Frostbite - In this final stage of the freezing process the affected tissue will be cold, numb, and hard and will yield little to no pain. Treatment is identical to that for Frost nip.

- Hypothermia is a serious cold stress condition occurring when the body loses heat at a rate faster than it is produced. If untreated, hypothermia may be fatal. The stages of hypothermia may not be clearly defined or visible at first, but generally include:

  1. Shivering
  2. Apathy (i.e., a change to an indifferent or uncaring mood)
  3. Unconsciousness
  4. Bodily freezing

  Employees exhibiting signs of hypothermia should be treated by medical professionals. Steps that can be taken while awaiting help include:

  1. Remove the victim from the cold environment and remove wet or frozen clothing. (Do this carefully as frostbite may have started.)
  2. Perform active re-warming with hot liquids for drinking (Note: do not give the victim any liquid containing alcohol or caffeine) and a warm water bath (102 to 108 degrees Fahrenheit).
  3. Perform passive re-warming with a blanket or jacket wrapped around the victim.

In any potential cold stress situation, it is the responsibility of the Site Health and Safety Officer to encourage the following:

- Education of workers to recognize the symptoms of frostbite and hypothermia.
- Workers should dress warmly, with more layers of thin clothing as opposed to one thick layer.
- Personnel should remain active and keep moving.
- Personnel should be allowed to take shelter in a heated area, as necessary.
- Personnel should drink warm liquids (no caffeine or alcohol if hypothermia has set in).
- For monitoring the body's recuperation from excess cold, oral temperature recordings should occur:

  1. At the Site Safety Technicians discretion when suspicion is based on changes in a worker's performance or mental status.
  2. At a worker's request.
  3. As a screening measure, two times per shift, under unusually hazardous conditions (e.g., wind chill less than 20 degrees Fahrenheit or wind chill less than 30 degrees Fahrenheit with precipitation).

4. As a screening measure, whenever anyone worker on-site develops hypothermia.

Any person developing moderate hypothermia (a core body temperature of 92 degrees Fahrenheit) will not be allowed to return to work for 48 hours without the recommendation of a qualified medical doctor.

11. Work Zones and Site Control

Work zones around the areas designated for construction activities will be established daily and communicated to all employees and other Site users by the SSHO. It shall be each Contractor's Site Safety and Health Officer's responsibility to ensure that all Site workers are aware of the work zone boundaries and to enforce proper procedures in each area. The zones will include:

- Exclusion Zone ("Hot Zone") - The area where contaminated materials may be exposed, excavated, or handled and all areas where contaminated equipment or personnel may travel. Flagging tape will delineate the zone. All personnel entering the Exclusion Zone must wear the prescribed level of personal protective equipment identified in Section 7.
- Contamination Reduction Zone - The zone where decontamination of personnel and equipment takes place. Any potentially contaminated clothing, equipment and samples must remain in the Contamination Reduction Zone until decontaminated.
- Support Zone - The part of the site that is considered non-contaminated or "clean." Support equipment will be in this zone, and personnel may wear normal work clothes within this zone.

In the absence of other task-specific work zone boundaries established by the SSHO, the following boundaries will apply to all investigation and construction activities involving disruption or handling of Site soils or groundwater:

- Exclusion Zone: 50-foot radius from the outer limit of the sampling/construction activity.
- Contaminant Reduction Zone: 100-foot radius from the outer limit of the sampling/construction activity.
- Support Zone: Areas outside the Contaminant Reduction Zone.

Access of non-essential personnel to the Exclusion and Contamination Reduction Zones will be strictly controlled by the SSHO. Only personnel who are essential to the completion of the task will be allowed access to these areas and only if they are wearing the prescribed level of protection. Entrance of all personnel must be approved by the SSHO.

The SSHO will maintain a Health and Safety Logbook containing the names of Roux workers and their level of protection. The zone boundaries may be changed by the SSHO as environmental conditions warrant, and to respond to the necessary changes in work locations on-site.

12. Decontamination

12.1 Decontamination for Roux Employees

The degree of decontamination required is a function of a particular task and the environment within which it occurs. The following decontamination procedure will remain flexible, thereby allowing the decontamination crew to respond appropriately to the changing environmental conditions that may arise at the Site. All Roux personnel on-site shall follow the procedure below, or the Contractor's procedure (if applicable), whichever is more stringent.

Station 1 - Equipment Drop: Deposit visibly contaminated (if any) re-useable equipment used in the contamination reduction and exclusion zones (tools, containers, monitoring instruments, radios, clipboards, etc.) on plastic sheeting.

Station 2 - Boots and Gloves Wash and Rinse: Scrub outer boots and outer gloves. Deposit tape and gloves in waste disposal container.

Station 3 - Tape, Outer Boot and Glove Removal: Remove tape, outer boots, and gloves. Deposit tape and gloves in waste disposal container.

Station 4 - Canister or Mask Change: If a worker leaves exclusion zones to change canister (or mask), this is the last step in the decontamination procedure. Worker's canister is exchanged, new outer gloves and boot cover donned, and worker returns to duty.

Station 5 - Outer Garment/Face Piece Removal: Protective suit removed and deposited in separate container provided by Contractor. Face piece or goggles are removed if used. Avoid touching face with fingers. Face piece and/or goggles deposited on plastic sheet. Hard hat removed and placed on plastic sheet.

Station 6 - Inner Glove Removal: Inner gloves are the last personal protective equipment to be removed. Avoid touching the outside of the gloves with bare fingers. Dispose of these gloves in waste disposal container.

Following PPE removal, personnel shall wash hands, face, and forearms with absorbent wipes. If field activities proceed for duration of six consecutive months or longer, shower facilities will be provided for worker use in accordance with OSHA 29 CFR 1910.120(n).

12.2 Decontamination for Medical Emergencies

In the event of a minor, non-life-threatening injury, personnel should follow the decontamination procedures as defined, and then administer first-aid.

In the event of a major injury or other serious medical concern (e.g., heat stroke), immediate first aid is to be administered and the victim transported to the hospital in lieu of further decontamination efforts unless exposure to a Site contaminant would be considered "Immediately Dangerous to Life or Health."

12.3 Decontamination of Field Equipment

The Contractor, in accordance with his approved Health and Safety Plan in the Contamination Reduction The Contractor, in accordance with his approved Health and Safety Plan in the Contamination Reduction Zone will conduct decontamination of heavy equipment. As a minimum, this will include manually removing heavy soil contamination, followed by steam cleaning on an impermeable pad.

Roux personnel will conduct decontamination of all tools used for sample collection purposes. It is expected that all tools will be constructed of nonporous, nonabsorbent materials (i.e., metal), which will aid in the decontamination effort. Any tool or part of a tool made of porous, absorbent material (i.e., wood) will be placed into suitable containers and prepared for disposal.

Decontamination of bailers, split-spoons, spatula knives, and other tools used for environmental sampling and examination shall be as follows:

- Disassemble the equipment.
- Water wash to remove all visible foreign matter.
- Wash with detergent.
- Rinse all parts with distilled-deionized water.
- Allow to air dry.
- Wrap all parts in aluminum foil or polyethylene.

13. Confined Space Entry

OSHA 29 CFR 1910.146 identifies a confined space as a space that is large enough and so configured that an employee can physically enter and do assigned work, has limited or restricted means for entry and exit, and is not intended for continuous employee occupancy. Confined spaces include, but are not limited to, trenches, storage tanks, process vessels, pits, sewers, tunnels, underground utility vaults, pipelines, sumps, wells, and excavations.

Confined space entry by Roux employees is not anticipated to be necessary to complete the RI activities identified in Section 2.0. In the event that the scope of work changes or confined space entry appears necessary, the Project Manager will be consulted to determine if feasible engineering alternatives to confined space entry can be implemented. If confined space entry by Roux employees cannot be avoided through reasonable engineering measures, task-specific confined space entry procedures will be developed, and a confined-space entry permit will be issued through Roux's corporate Health and Safety Director. Roux employees shall not enter a confined space without these procedures and permits in place.

14. Fire Prevention and Protection

14.1 General Approach

Recommended practices and standards of the National Fire Protection Association (NFPA) and other applicable regulations will be followed in the development and application of Project Fire Protection Programs. When required by regulatory authorities, the project management will prepare and submit a Fire Protection Plan for the approval of the contracting officers, authorized representative, or other designated official. Essential considerations for the Fire Protection Plan will include:

- Proper Site preparation and safe storage of combustible and flammable materials.
- Availability of coordination with private and public fire authorities.
- Adequate job-site fire protection and inspections for fire prevention.
- Adequate indoctrination and training of employees.

14.2 Equipment and Requirements

Fire extinguishers will be provided by each Contractor and are required on all heavy equipment and in each field trailer. Fire extinguishers will be inspected, serviced, and maintained in accordance with the manufacturer's instructions. As a minimum, all extinguishers shall be checked monthly and weighed semi-annually, and recharged if necessary. Recharge or replacement shall be mandatory immediately after each use.

14.3 Flammable and Combustible Substances

All storage, handling or use of flammable and combustible substances will be under the supervision of qualified persons. All tanks, containers, and pumping equipment, whether portable or stationary, used for the storage and handling of flammable and combustible liquids, will meet the recommendations of the National Fire Protection Association.

14.4 Hot Work

If the scope of work necessitates welding or blowtorch operation, the hot work permit presented in Attachment B will be completed by the SSHO and reviewed/issued by the Project Manager.

15. Emergency Information

In accordance with OSHA 29 CFR Part 1910, an Emergency Response Plan is attached to this HASP as Appendix A. The hospital route map is presented within Appendix A as Figure 1.

16. Field Team Review

Each person performing work at or visiting this site shall sign this section after site-specific training is completed and before being permitted to access the CRZ or Exclusion Zone.

I have read and understand this Site-Specific Health and Safety Plan. I will comply with the provision contained therein.

Site/Project: 235 River Road, North Tonawanda, New York

Name & Company	Signature	Date

17. Approvals

By their signature, the undersigned certify that this HASP is approved and will be utilized at the 235 River Road.

Paul Werthman, P.G. – Site Safety and Health Officer	Date
Tom Forbes, P.E. - Office Health and Safety Manager	Date
Mike Lesakowski – Project Manager	Date

18. References

New York State Department of Environmental Conservation. DER-10; Technical Guidance for Site Investigation and Remediation. May 2010.

TABLES

ROUX

TABLE 1

TOXICITY DATA FOR CONSTITUENTS OF POTENTIAL CONCERN

235 RIVER ROAD

NORTH TONAWANDA, NEW YORK

Parameter	Synonyms	CAS No.	Code	Concentration Limits [1]		
				PEL	TLV	IDLH
Semi-volatile Organic Compounds (SVOCs) [2] : ppm						
Benzo(a)anthracene	*none*	56-55-3	*none*	--	--	--
Benzo(a)pyrene	*none*	50-32-8	*none*	--	--	--
Benzo(b)fluoranthene	*none*	205-99-2	*none*	--	--	--
Benzo(k)fluoranthene	*none*	207-08-9	*none*	--	--	--
Chrysene	*none*	218 01 9	*none*	--	--	--
Dibenzo(a,h)anthracene	*none*	53-70-3	*none*	--	--	--
Indeno(1,2,3-cd)pyrene	*none*	193-39-5	*none*	--	--	--
2-Methylnaphthalene	*none*	91-57-6	*none*	--	0.05	--
Inorganic Compounds: mg/m [2]						
Arsenic	*none*	7440-38-2	*Ca*	0.01	0.01	5
Lead	*none*	7439-92-1	*Ca*	0.05	0.05	100

Notes:

1. Concentration limits as reported by NIOSH Pocket Guide to Chemical Hazards, February 2004 (NIOSH Publication No. 97-140, fourth printing with chages and updates.
2. " -- " = concentration limit not available; exposure should be minimized to the extent feasible through appropriate engineering controls & PPE.

Explanation:

Ca = NIOSH considers constituent to be a potential occupational carcinogen.
C-## = Ceiling Level equals the maximum exposure concentration allowable during the work day.
IDLH = Immediately Dangerous to Life or Health.
ND indicates that an IDLH has not as yet been determined.
TLV = Threshold Limit Value, established by American Conference of Industrial Hygienists (ACGIH), equals the maximum exposure concentration allowable for 8 hours/day @ 40 ho
TLVs are the amounts of chemicals in the air that almost all healthy adult workers are predicted to be able to tolerate without adverse effects. There are three types.
TLV-TWA (TLV-Time-Weighted Average) which is averaged over the normal eight-hour day/forty-hour work week. (Most TLVs.)
TLV-C or Ceiling limits are the concentration that should not be exceeded during any part of the working exposure.
Unless the initials "STEL" or "C" appear in the Code column, the TLV value should be considered to be the eight-hour TLV-TWA.
PEL = Permissible Exposure Limit, established by OSHA, equals the maximium exposure conconcentration allowable for 8 hours per day @ 40 hours per week

ROUX

TABLE 2

POTENTIAL ROUTES OF EXPOSURE TO THE CONSTITUENTS OF POTENTIAL CONCERN

235 RIVER ROAD
NORTH TONAWANDA, NEW YORK

Activity [1]	Direct Contact with Soil/Fill	Inhalation of Vapors or Dust	Direct Contact with Groundwater
Remedial Investigation Tasks			
1. Surface Soil Sampling	x	x	
2. Subsurface Soil Sampling	x	x	
3. Monitoring Well Installation/Development and Sampling	x	x	x
4. Soil Vapor Sampling	x	x	

Notes:
1. Activity as described in Section 1.5 of the Health and Safety Plan.

ROUX

TABLE 3

REQUIRED LEVELS OF PROTECTION
FOR RI TASKS

235 RIVER ROAD
NORTH TONAWANDA, NEW YORK

Activity	Respiratory Protection [1]	Clothing	Gloves [2]	Boots [2, 3]	Other Required PPE/Modifications [2, 4]
Remedial Investigation Tasks					
1. Surface Soil Sampling	Level D (upgrade to Level C if necessary)	Work Uniform or Tyvek	L/N	outer: L inner: STSS	HH SGSS
2. Subsurface Soil Sampling	Level D (upgrade to Level C if necessary)	Work Uniform or Tyvek	L/N	outer: L inner: STSS	HH SGSS
3. Monitoring Well Installation/Development and Sampling	Level D (upgrade to Level C if necessary)	Work Uniform or Tyvek	L/N	outer: L inner: STSS	SGSS
4. Subslab Vapor Sampling	Level D (upgrade to Level C if necessary)	Work Uniform or Tyvek	L/N	outer: L inner: STSS	HH SGSS

Notes:
1. Respiratory equipment shall conform to guidelines presented in Section 7.0 of this HASP. The Level C requirement is an air-purifying respirator equiped with organic compound/acid
2. HH = hardhat; L= Latex; L/N = latex inner glove, nitrile outer glove; N = Nitrile; S = Saranex; SG = safety glasses; SGSS = safety glasses with sideshields; STSS = steel toe safety shoes.
3. Latex outer boot (or approved overboot) required whenever contact with contaminated materials may occur. SSHO may downgrade to STSS (steel-toed safety shoes) if contact will be
4. Dust masks shall be donned as directed by the SSHO (site safety and health officer) or site safety technician whenever potentially contaminated airborne particulates (i.e., dust) are present

FIGURES

1. Site Location and Vicinity Map
2. Site Plan (Aerial)

QUADRANGLE LOCATION

BASE MAP USGS QUADRANGLE 2023:
TONAWANDA WEST, NY.

N

3,000' 0 3,000'

Title:

SITE LOCATION AND VICINITY MAP

REMEDIAL INVESTIGATION WORK PLAN

235 RIVER ROAD SITE

NORTH TONAWANDA, NEW YORK

Prepared for:

235 RIVER ROAD, LLC

ROUX

Compiled by: JY	Date: AUGUST 2024
Prepared by: RFL	Scale: AS SHOWN
Project Mgr: MAL	Project: 4750.0001B000
File: FIGURE 1; SITE LOCVIC_235.DWG	

FIGURE 1

F:\CAD\0-ROUX\235 RIVER RD\RI\FIGURE 1; SITE LOCVIC_235.DWG

LEGEND:

BCP/PROPERTY BOUNDARY

PARCEL BOUNDARY

N

100' 0 100'

Title:

SITE PLAN
REMEDIAL INVESTIGATION WORK PLAN
235 RIVER ROAD SITE

NORTH TONAWANDA, NEW YORK

Prepared for:

235 RIVER ROAD, LLC

ROUX

Compiled by: RFL	Date: AUGUST 2024	FIGURE
Prepared by: RFL	Scale: AS SHOWN	2
Project Mgr: MAL	Project: 4750.0001B000	
File: FIGURE 2; SITE PLAN_235.DWG		

F:\CAD\0-ROUX\235 RIVER RD\RI\FIGURE 2; SITE PLAN_235.DWG

Attachments

A. Emergency Response Plan (ERP)

B. Hot Work Permit Form

C. Community Air Monitoring Plan (CAMP)

ATTACHMENT A

Emergency Response Plan
(ERP)

Table of Contents

Attachments

1. General

This report presents the site-specific Emergency Response Plan (ERP) referenced in the Site Health and Safety Plan (HASP) prepared for Remedial Investigation (RI) activities at 235 River Road in North Tonawanda, New York. This appendix of the HASP describes potential emergencies that may occur at the Site; procedures for responding to those emergencies; roles and responsibilities during emergency response; and training all workers must receive in order to follow emergency procedures. This ERP also describes the provisions this Site has made to coordinate its emergency response planning with other contractors on-site and with off-site emergency response organizations.

This ERP is consistent with the requirements of 29 CFR 1910.120(l) and provides the following site-specific information:

- Pre-emergency planning.
- Personnel roles, lines of authority, and communication.
- Emergency recognition and prevention.
- Safe distances and places of refuge.
- Evacuation routes and procedures.
- Decontamination procedures.
- Emergency medical treatment and first aid.
- Emergency alerting and response procedures.
- Critique of response and follow-up.
- Emergency personal protective equipment (PPE) and equipment.

2. Pre-Emergency Planning

This Site has been evaluated for potential emergency occurrences, based on site hazards, the required work tasks, the site topography, and prevailing weather conditions. The results of that evaluation indicate the potential for the following site emergencies to occur at the locations indicated.

Type of Emergency:

1. Medical, due to physical injury

Source of Emergency:

1. Slip/trip/fall

Location of Source:

1. Non-specific

3. On-Site Emergency Response Equipment

Emergency procedures may require specialized equipment to facilitate worker rescue, contamination control and reduction, or post-emergency clean up. Emergency response equipment available on the Site is listed below. The equipment inventory and storage locations are based on the potential emergencies described above. This equipment inventory is designed to meet on-site emergency response needs and any specialized equipment needs that off-site responders might require because of the hazards at this Site but not ordinarily stocked.

Any additional personal protective equipment (PPE) required and stocked for emergency response is also listed in below. During an emergency, the Emergency Response Coordinator (ERC) is responsible for specifying the level of PPE required for emergency response. At a minimum, PPE used by emergency responders will comply with Section 7.0, Personal Protective Equipment, of this HASP. Emergency response equipment is inspected at regular intervals and maintained in good working order. The equipment inventory is replenished as necessary to maintain response capabilities.

Emergency Equipment	Quantity	Location
First Aid Kit	1	Site Vehicle
Chemical Fire Extinguisher	2 (minimum)	All heavy equipment and Site Vehicle

Emergency PPE	Quantity	Location
Full-face respirator	1 for each worker	Site Vehicle
Chemical-resistant suits	4 (minimum)	Site Vehicle

4. Emergency Planning Maps

An area-specific map of the Site will be developed on a daily basis during performance of field activities. The map will be marked to identify critical on-site emergency planning information, including: emergency evacuation routes, a place of refuge, an assembly point, and the locations of key site emergency equipment. Site zone boundaries will be shown to alert responders to known areas of contamination. There are no major topographical features, however the direction of prevailing winds/weather conditions that could affect emergency response planning are also marked on the map. The map will be posted at the site-designated place of refuge and inside the Roux personnel field vehicle.

5. Emergency Contacts

The following identifies the emergency contacts for this ERP.

Emergency Telephone Numbers:

Project Manager: ***Michael Lesakowski***
Work: (716) 856-0599
Mobile: (716) 818-3954

Corporate Health and Safety Director: ***Michael Lesakowski***
Work: (716) 856-0599
Mobile: (716) 818-3954

Site Safety and Health Officer (SSHO): ***Paul Werthman, P.G.***
Work: (716) 856-0599
Mobile: (716) 997-9584

NIAGARA FALLS MEMORIAL MEDICAL CENTER (HOSPITAL):	(716) 278-4000
FIRE:	911
AMBULANCE:	911
NORTH TONAWANDA POLICE:	911
STATE EMERGENCY RESPONSE HOTLINE:	(800) 457-7362
NATIONAL RESPONSE HOTLINE:	(800) 424-8802
NYSDOH:	(716) 847-4385
NYSDEC:	(716) 851-7220
NYSDEC 24-HOUR SPILL HOTLINE:	(800) 457-7252

The Site location is:

235 River Road
North Tonawanda, New York 14120
Site Phone Number: Roux Staff Cell Phones to be used.

6. Emergency Alerting & Evacuation

Internal emergency communication systems are used to alert workers to danger, convey safety information, and maintain site control. Any effective system can be employed. Two-way radio headsets or field telephones are often used when work teams are far from the command post. Hand signals and air-horn blasts are also commonly used. Every system must have a backup. It shall be the responsibility of each contractor's Site Health and Safety Officer to ensure all personnel entering the site understand an adequate method of internal communication. Unless all personnel are informed, the following signals shall be used.

1) Emergency signals by portable air horn, siren, or whistle: two short blasts, personal injury; continuous blast, emergency requiring site excavation.

2) Visual signals: hand gripping throat, out of air/cannot breathe; hands on top of head, need assistance; thumbs up, affirmative/ everything is OK; thumbs down, no/negative; grip partner's wrist or waist, leave area immediately.

If evacuation notice is given, Site workers leave the worksite with their respective buddies, if possible, by way of the nearest exit. Emergency decontamination procedures detailed in Section 12.0 of the HASP are followed to the extent practical without compromising the safety and health of site personnel. The evacuation routes and assembly area will be determined by conditions at the time of the evacuation based on wind direction, the location of the hazard source, and other factors as determined by rehearsals and inputs from emergency response organizations. Wind direction indicators are located so that workers can determine a safe up wind or cross wind evacuation route and assembly area if not informed by the emergency response coordinator at the time the evacuation alarm sounds. Since work conditions and work zones within the site may be changing on daily basis, it shall be the responsibility of the construction Site Health and Safety Officer to review evacuation routes and procedures as necessary and to inform all Roux workers of any changes.

Personnel leaving the site will gather at a designated assembly point. To determine that everyone has successfully exited the site, personnel will be accounted for at the assembly site. If any worker cannot be accounted for, notification is given to the SSHO (Paul Werthman, P.G.) so that appropriate action can be initiated. Contractors and subcontractors on this Site have coordinated their emergency response plans to ensure that these plans are compatible and that source(s) of potential emergencies are recognized, alarm systems are clearly understood, and evacuation routes are accessible to all personnel relying upon them.

7. Extreme Weather Conditions

In the event of adverse weather conditions, the Site Safety and Health Officer in conjunction with the Contractor's SSHO will determine if engineering operations can continue without sacrificing the health and safety of site personnel. Items to be considered prior to determining if work should continue include but are not limited to:

- Potential for heat/cold stress.
- Weather-related construction hazards (e.g., flooding, or wet conditions producing undermining of structures or sheeting, high wind threats, etc).
- Limited visibility.
- Potential for electrical storms.
- Limited site access/egress (e.g., due to heavy snow)

8. Emergency Medical Treatment & First Aid

Personnel Exposure:

The following general guidelines will be employed in instances where health impacts threaten to occur acute exposure is realized:

- Skin Contact: Use copious amounts of soap and water. Wash/rinse affected area for at least 15 minutes. Decontaminate and provide medical attention. Eyewash stations will be provided on site. If necessary, transport to Niagara Falls Memorial Medical Center.
- Inhalation: Move to fresh air and, if necessary, transport to Hospital.
- Ingestion: Decontaminate and transport to Hospital.

Personal Injury:

Minor first-aid will be applied on-site as deemed necessary. In the event of a life-threatening injury, the individual should be transported to Hospital via ambulance. The Site Health and Safety Officer will supply available chemical specific information to appropriate medical personnel as requested.

First aid kits will conform to Red Cross and other applicable good health standards and shall consist of a weatherproof container with individually sealed packages for each type of item. First aid kits will be fully equipped before being sent out on each job and will be checked weekly by the SSHO to ensure that the expended items are replaced.

Directions to Sisters Hospital (see Figure 1):

The following directions describe the best route from the Site to Niagara Falls Memorial Medical Center - North Tonawanda Primary Care Center:

- Head north on NY-265 / River Rd toward Thompson St (0.6 miles)
- Turn right onto NY-429 / Wheatfield St (0.3 miles)
- Keep straight to get onto Wheatfield St (0.3 miles)
- Turn left onto Payne Ave (1.1 miles)
- Turn right onto Meadow Dr (0.3 miles)
- Turn left onto Kinkead Ave (328 feet)
- Arrive at Kinkead Ave on the right and destination

9. Emergency Response Critique & Record Keeping

Following an emergency, the SSHO and Project Manager shall review the effectiveness of this ERP in addressing notification, control, and evacuation requirements. Updates and modifications to this ERP shall be made accordingly. It shall be the responsibility of each contractor to establish and assure adequate records of the following:

- Occupational injuries and illnesses.
- Accident investigations.
- Reports to insurance carriers or State compensation agencies.
- Reports required by the client.
- Records and reports required by local, state, federal and/or international agencies.
- Property or equipment damage.
- Third party injury or damage claims.
- Environmental testing logs.
- Explosive and hazardous substances inventories and records.
- Records of inspections and citations.
- Safety training.

10. Emergency Response Training

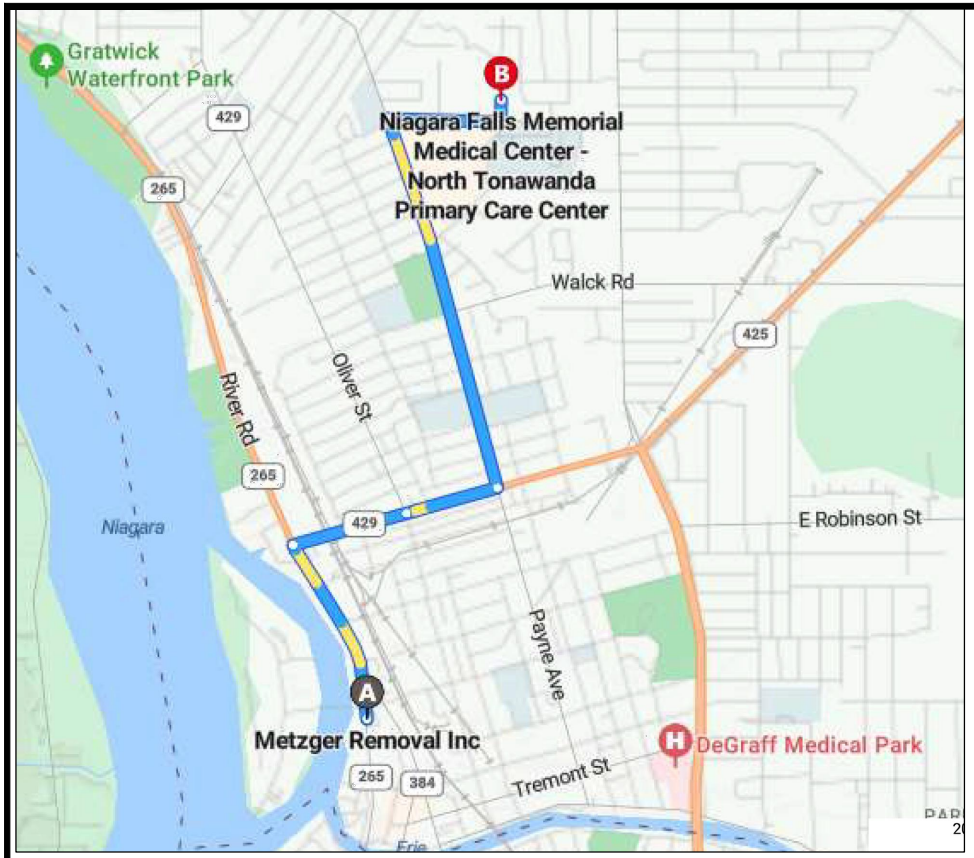
All persons who enter the worksite, including visitors, shall receive a site-specific briefing about anticipated emergency situations and the emergency procedures by the SSHO. Where this site relies on off-site organizations for emergency response, the training of personnel in those off-site organizations has been evaluated and is deemed adequate for response to this site.

ATTACHMENTS

A-1 Hospital Route Map

Attachment A-1

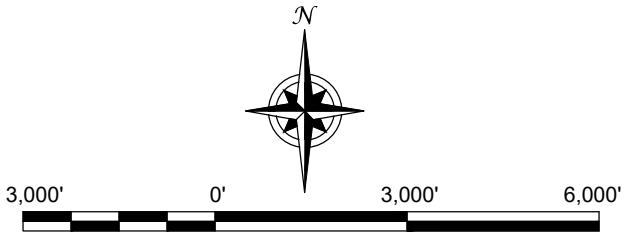
Hospital Route Map



A Metzger Removal Inc

↑	1.	Head **north** on **NY-265 / River Rd** toward Thompson St	0.6 mi
↱	2.	Turn **right** onto **NY-429 / Wheatfield St**	0.3 mi
↑	3.	Keep **straight** to get onto **Wheatfield St**	0.3 mi
↰	4.	Turn **left** onto **Payne Ave**	1.1 mi
↱	5.	Turn **right** onto **Meadow Dr**	0.3 mi
↰	6.	Turn **left** onto **Kinkead Ave**	328 ft
	7.	Arrive at **Kinkead Ave** on the right The last intersection before your destination is Meadow Dr If you reach Forest Lake Dr, you've gone too far	

B Niagara Falls Memorial Medical Center - North Tonawanda Primary Care Center



SCALE: 1 INCH = 3,000 FEET
SCALE IN FEET
(approximate)

Title:

HOSPITAL ROUTE MAP

EMERGENCY RESPONSE PLAN

235 RIVER ROAD SITE
NORTH TONAWANDA, NEW YORK

Prepared for:
235 RIVER ROAD, LLC

ROUX

Compiled by: RFL	Date: AUGUST 2024	FIGURE
Prepared by: RFL	Scale: AS SHOWN	1
Project Mgr: MAL	Project: 4750.0001B000	
File:		

ATTACHMENT B

Hot Work Permit Form

HOT WORK PERMIT

PART 1 - INFORMATION

Issue Date:

Date Work to be Performed: Start: Finish (permit terminated):

Performed By:

Work Area:

Object to be Worked On:

PART 2 - APPROVAL

(for 1, 2 or 3: mark Yes, No or NA)*

Will working be on or in: Finish (permit terminated):

1. Metal partition, wall, ceiling covered by combustible material?	yes	no
2. Pipes, in contact with combustible material?	yes	no
3. Explosive area?	yes	no

* = If any of these conditions exist (marked "yes"), a permit will not be issued without being reviewed and approved by Thomas H. Forbes (Corporate Health and Safety Director). Required Signature below.

PART 3 - REQUIRED CONDITIONS**

(Check all conditions that must be met)

	PROTECTIVE ACTION		PROTECTIVE EQUIPMENT
	Specific Risk Assessment Required		Goggles/visor/welding screen
	Fire or spark barrier		Apron/fireproof clothing
	Cover hot surfaces		Welding gloves/gauntlets/other:
	Move movable fire hazards, specifically		Wellintons/Knee pads
	Erect screen on barrier		Ear protection: Ear muffs/Ear plugs
	Restrict Access		B.A.: SCBA/Long Breather
	Wet the ground		Respirator: Type:
	Ensure adequate ventilation		Cartridge:
	Provide adequate supports		Local Exhaust Ventilation
	Cover exposed drain/floor or wall cracks		Extinguisher/Fire blanket
	Fire watch (must remain on duty during duration of permit)		Personal flammable gas monitor
	Issue additional permit(s):		

Other precautions:

** Permit will not be issued until these conditions are met.

SIGNATURES

Orginating Employee: Date:

Project Manager: Date:

Part 2 Approval: Date:

ATTACHMENT C

Community Air Monitoring Plan (CAMP)

Attachment C

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

Appendix C2
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.

APPENDIX E

Field Operating Procedures (FOPs)

FIELD OPERATING PROCEDURES

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

FOP Number	Description
001.1	Abandonment of Borehole Procedures
002.0	Abandonment of Monitoring Wells Procedure
004.6	Soil Vapor Sample Collection Procedure
007.0	Calibration and Maintenance of Portable Dissolved Oxygen Meter
008.0	Calibration and Maintenance of Portable Field pH/Eh Meter
009.0	Calibration and Maintenance of Portable Field Turbidity Meter
011.1	Calibration and Maintenance of Portable Photoionization Detector
012.0	Calibration and Maintenance of Portable Specific Conductance Meter
013.0	Composite Sample Collection Procedure for Non-Volatile Organic Analysis
015.0	Documentation Requirements for Drilling and Well Installation
017.0	Drill Site Selection Procedure
018.0	Drilling and Excavation Equipment Decontamination Procedures
021.0	Establishing Horizontal and Vertical Control
022.0	Groundwater Level Measurement
023.1	Groundwater Purging Procedures Prior to Sample Collection
024.1	Groundwater Sample Collection Procedures
024.3	Groundwater Sample Collection Procedures for PFAS
025.0	Hand Augering Procedure
026.1	Hollow Stem Auger (HSA) Drilling Procedures
031.2	Low Flow (Minimal Drawdown) Groundwater Purging & Sampling Procedure
032.1	Management of Investigation-Derived Waste (IDW)
033.0	Monitoring Well Construction for Hollow Stem Auger Boreholes
036.0	Monitoring Well Development Procedures
039.1	NAPL Detection and Sample Collection Procedure
040.1	Non-Disposable and Non-Dedicated Sampling Equipment Decontamination
041.0	Overburden Casing Installation Procedure
046.0	Sample Labeling, Storage and Shipment Procedures
047.0	Screening of Soil Samples for Organic Vapors During Drilling Activities
048.0	Screening of Soil Samples for Organic Vapors During UST Removal Activities
054.2	Soil Description Procedures Using The Visual-Manual Method
057.0	Soil Sample Collection for VOC Analysis - EnCore Sampling
058.0	Split-Spoon Sampling Procedures
063.2	Surface and Subsurface Soil Sampling Procedures
065.1	Test Pit Excavation and Logging Procedures
070.0	Well/Piezometer Construction Materials and Design
073.2	Real-Time Air Monitoring During Intrusive Activities
074.0	Underground Storage Tank Excavation & Removal Procedures
076.0	"Before Going Into the Field" Procedure
078.0	Geoprobe Drilling Procedures
079.0	Stockpile Sampling Procedures for Chemical Analysis
080.0	Stockpile-Borrow Source Sampling Procedures for Physical Analysis
082.0	Waste Sampling Procedures
084.0	Calibration and Maintenance of Portable Particulate Meter
085.0	Field Quality Control Procedures
088.0	Underground Piping Decommissioning Procedures
090.0	Outdoor Ambient Air VOC Sample Collection Procedure

Notes:

1. FOPs are identified by the sequential FOP number and revision number. For example, FOP number 097.3 indicates FOP 97, revision 3.

ROUX

FIELD OPERATING PROCEDURES

Abandonment of Borehole Procedures

FOP 001.1

ABANDONMENT OF BOREHOLE PROCEDURE

PURPOSE

Soil borings that are not completed as monitoring wells will be plugged by filling the holes with a cement/bentonite grout. Field staff will calculate the borehole volume and compare it to the final installed volume of grout to evaluate whether bridging or loss to the formation has occurred. These calculations and the actual volume placed will be noted on the Boring Log.

PROCEDURE

1. Determine most suitable seal materials. Grout specifications generally have mixture ratios as follows:

   Grout Slurry Composition (% Weight)

1.5 to 3.0%	-	Bentonite (Quick Gel)
40 to 60 %	-	Cement (Portland Type I)
40 to 60 %	-	Potable Water

2. Calculate the volume of the borehole base on the bit or auger head diameter plus 10% and determine the volume of grout to be emplaced. Generally, the total mixed volume is the borehole volume plus 20%.

3. Identify the equipment to be used for the preparation and mixing of the grout. Ensure the volume of the tanks to be used for mixing has been measured adequately. Document these volumes on the Well Abandonment/Decommissioning Log (sample attached).

4. Identify the source of the water to be used for the grout and determine its suitability for use. In particular, water with high sulfate, or chloride levels or heated water should not be used. These types of waters can cause operational difficulties or modify the set-up for the grout.

5. Identify the equipment to be used for emplacing the grout. Ensure that the pump to be used has adequate pressure to enable complete return to surface.

6. Identify the volumes to be pumped at each stage or in total if only one stage is to be used.

7. Prepare the borehole abandonment plan and discuss the plan and activities with the drilling contractor prior to beginning any mixing activities.

8. Begin mixing the grout to be emplaced.

9. Record the type and amount of materials used during the mixing operation. Ensure the ratios are within specifications tolerance.

10. Begin pumping the grout through the return line bypass system to confirm all pump and surface fittings are secure.

11. Initiate downhole pumping from the bottom of the borehole. Record the times and volumes emplaced on the Well Abandonment/Decommissioning Log (sample attached).

12. Document the return circulation of grout. This may be facilitated by using a colored dye or other tagging method if a mudded borehole condition exists prior to grout injection.

13. Identify what procedures will be used for grouting in the upper 3 feet. When casing exists in the borehole, decisions are required as to the timing for removal and final disposition of the casing. Generally, it will not be removed prior to grouting because of the potential for difficult access and loss of circulation in the upper soil or rock layers. Accordingly, when cement return is achieved at surface, the casing is commonly removed and the borehole is topped off with grout or soils. If casing removal is not possible or not desired, the casing left in place should be cut off at a depth of 5 feet or greater below ground surface. If casing is not present during grouting, the grout level in the borehole is topped off after the rods or tremie pipe is removed.

14. Clear and clean the surface near the borehole.

15. The uppermost five feet of the borehole at the land surface should be filled with material physically similar to the natural soils. The surface of the borehole should be restored to the condition of the area surrounding the borehole. For example, concrete or asphalt will be patched with concrete or asphalt of the same type and thickness, grassed areas will be seeded, and topsoil will be used in other areas. All solid waste materials generated during the decommissioning process must be disposed of properly.

16. A follow-up check at each site should be made within one week to 10 days of completion. It should be noted that on occasion, the grout and/or surface material may settle over several days. If settling occurs, additional material physically similar to surrounding materials (i.e., asphalt, concrete, or soil) must be used to match the existing grade.

17. Document borehole and/or well/piezometer decommissioning activities on a Well Abandonment/Decommissioning Log (sample attached).

ATTACHMENTS

Well Abandonment/Decommissioning Log (sample)

REFERENCES

ASTM D 5299: *Guide for Decommissioning of Ground Water Wells, Vadose Zone Monitoring Devices, Boreholes, and Other Devices for Environmental Activities.*

NYSDEC, July 1988, *Drilling and Monitoring Well Installation Guidance Manual.*

NYSDEC, November 2009, *CP-43: Groundwater Monitoring Well Decommissioning Policy.*

Driscoll, F.G., 1987, *Groundwater and Wells*, Johnson Division, St. Paul, Minnesota, 1089 p.

WELL ABANDONMENT/ DECOMMISSIONING LOG

PROJECT INFORMATION	WELL INFORMATION
Project Name:	WELL I.D.:
Client:	Stick-up (fags):
Project Job Number:	Total Depth (fbgs):
Date:	Screen Interval (fbgs):
Weather:	Well Material:
	Diameter (inches):
BM/TK Personnel:	
Drilling Company:	Drilling Company Personnel:
Drill Rig Type:	

DECOMMISSIONING PROCEDURES

Time	Description of Field Activities

PREPARED BY: DATE:

ROUX

FIELD OPERATING PROCEDURES

Abandonment of Monitoring Wells Procedure

FOP 002.0

ABANDONMENT OF MONITORING WELLS PROCEDURE

PURPOSE

This guideline presents a method for the abandonment and decommissioning of wells that are no longer reliable as competent monitors of formation groundwater. Well abandonment and decommissioning is required in order to remove a potential pathway for the vertical migration of impacted groundwater and/or surface water.

PROCEDURE

1. Examine the existing well to be abandoned/decommissioned and review well construction detail information (if applicable) to determine well depth,, screened interval, diameter, material of composition and other construction details. Establish appropriate equipment requirements for removal of the well.

2. Determine the most suitable seal materials as discussed in the next section.

3. Attempt to remove the well using a drilling rig, by using the following procedures:
    - Attaching the winch line to the well to see if it can be removed by pulling;
    - Using the rig's hydraulics to advance casing incrementally;
    - If a cable tool rig is available, bump back the casing using the cathead and drive block.

3. Upon removal of the well, ream the borehole by advancing the augers approximately one foot beyond the total depth of the well. Rotate the augers at a speed sufficient to remove the construction materials (i.e., filter pack, bentonite seal, etc.) from the borehole annulus (if possible). Backfill the resulting borehole with cement/bentonite grout, by tremie method, to approximately one foot below ground surface. Fill the remaining borehole to match the existing grade elevation and material of construction (i.e., clean native soil, concrete or asphalt, as necessary). Go to Step 10.

4. If the well cannot be removed from the borehole over-drill the borehole and well to approximately two (2) feet below the well depth. Upon reaching the desired depth, remove the well from within the augers and go back to Step 3.

5. If the borehole cannot be reamed out using conventional drilling techniques (i.e., over-drilled), remove or puncture the base plate of the well screen using the drill rig and associated equipment by pounding with the drill rods. Upon filling the well with grout by tremie method, slowly pull the well from the ground surface to allow the grout to evacuate through the bottom of the well to fill the void space created by removal of the well casing. Continue adding grout mix to the well casing, as necessary, to fill the void space to approximately one foot below ground surface. Fill the remaining borehole to match the existing grade elevation and material of construction (i.e., clean native soil, concrete or asphalt, as necessary). Go to Step 10.

   If the driller is unsuccessful at removing or puncturing the base plate of the well due, in part, to well construction materials (i.e., stainless steel or black iron), go to Step 6.

6. Insert a tremie pipe down the well to the bottom and pump a cement/bentonite grout mixture to a depth one to two feet above the top of the screen.

7. Perform a hydraulic pressure test on the portion of the well casing above the grouted screen section. Allow the grout to set up for a period not less than 72 hours before pressure testing of the grouted interval. Place a pneumatic packer a maximum of 4.5 feet above the top of the slotted screen section of the well. The infiltration pressure applied to the packer shall not exceed the pressure rating of the well casing material. If the interval between the top of the grout and the bottom of the packer is not saturated, potable water will be used to fill the interval. A gauge pressure of 5 psig at the well head shall be applied to the interval for a period of 5 minutes to allow for temperature stabilization. After 5 minutes, the pressure will be maintained at 5 psig for 30 minutes. The grout seal shall be considered acceptable if the total loss of water to the seal does not exceed 0.5 gallons over a 30-minute period.

8. If the grout seal is determined to be unacceptable, tremie grout an additional 5 feet of well riser above the failing interval and retest as specified above (see Step 7).

9. If the grout seal is determined to be acceptable, tremie grout the remainder of the well until grout displaces all formation water and a grout return is visible in the well at the surface. Cut off well casing at a depth of five feet or greater below ground surface and backfill the remaining borehole to match the existing grade elevation and material of construction (i.e., clean native soil, concrete or asphalt, as necessary).

10. Record all well construction details and abandonment procedures on the **Well Abandonment/Decommissioning Log** (sample attached).

CEMENT/BENTONITE GROUT MIXTURE

The cement/bentonite grout mixture identified below is generally considered the most suitable seal material for monitoring well advancement and abandonment. Grout specifications generally have mixture ratios as follows:

Grout Slurry Composition (% Weight)

1.5 to 3.0% - Bentonite (Quick Gel)
40 to 60% - Cement (Portland Type I)
40 to 60% - Potable Water

MISCELLANEOUS

All removed well materials (PVC, stainless steel, steel pipe) should be decontaminated (if necessary) as per the project specific **Drilling and Excavation Equipment Decontamination FOP** and removed from the site. The project manager will determine the destination of final disposal for all well materials. All drill cuttings (depending on site protocol) should be placed in DOT-approved 55-gallon drums, labeled and sampled in

accordance with Roux's field operating procedure **Management of Investigation-Derived Waste** in order to determine proper removal and disposal procedures. The drilling subcontractor will provide any potable water utilized during this field activity from a known and reliable source (see Notes section).

ATTACHMENTS

Well Abandonment/Decommissioning Log (sample)

REFERENCES

New York State Department of Environmental Conservation, July 1988, *Drilling and Monitoring Well Installation Guidance Manual.*

Driscoll, F.G., 1987, *Groundwater and Wells*, Johnson Division, St. Paul, Minnesota, p. 1089.

Roux's FOPs

018 Drilling/Excavation Equipment Decontamination Protocols
032 Management of Investigation-Derived Waste

NOTES

Tap water may be used from any municipal water treatment system. The use of an untreated potable water supply is not an acceptable substitute.

WELL ABANDONMENT/ DECOMMISSIONING LOG

PROJECT INFORMATION	WELL INFORMATION
Project Name:	WELL I.D.:
Client:	Stick-up (fags):
Project Job Number:	Total Depth (fbgs):
Date:	Screen Interval (fbgs):
Weather:	Well Material:
	Diameter (inches):
BM/TK Personnel:	
Drilling Company:	Drilling Company Personnel:
Drill Rig Type:	

DECOMMISSIONING PROCEDURES	
Time	Description of Field Activities

ROUX

FIELD OPERATING PROCEDURES

Soil Vapor Sample Collection Procedures

FOP 004.6

SOIL VAPOR SAMPLE COLLECTION PROCEDURE

BACKGROUND

In October 2006, the New York State Department of Health (NYSDOH) finalized their vapor intrusion guidance document entitled "Guidance for Evaluating Soil Vapor Intrusion in the State of New York." (www.health.state.ny.us/nysdoh/gas/svi_guidance/), which has been guiding NYSDOH and New York State Department of Environmental Conservation (NYSDEC) decisions concerning the need for subslab vapor mitigation at sites undergoing investigation, cleanup and monitoring under formal NY Sate remedial programs (e.g., Brownfield Cleanup Program sites, Inactive Hazardous Waste Site Remediation Program sites, etc.). Per the most recent update, May 2017, guidance presents three (3) soil vapor/indoor air matrices to assist in interpreting the comparison of subslab and ambient air data. As of May 2017, eight compounds have been assigned to these three (3) current matrices (i.e., "Matrix A", "Matrix B", and "Matrix C") as follows:

Soil Vapor / Indoor Air Matrix	Volatile Chemical
Matrix A	Carbon tetrachloride
	1,1-Dichloroethene
	cis-1,2-Dichloroethene
	Trichloroethene
Matrix B	Methylene Chloride
	Tetrachlorethene
	1,1,1-Trichloroethane
Matrix C	Vinyl chloride

The matrices are attached as Figures 1, 2, and 3.

PURPOSE

The procedures presented herein delineate the scope of additional investigation at a building on the project site to determine if volatile organic compounds (VOCs) detected in groundwater and/or soil near the building are intruding into the building airspace or have the potential, in sufficient concentrations, to adversely impact indoor air quality. The soil vapor, subslab vapor, and ambient air monitoring procedures follow the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) as well as USEPA Methods TO-14 and TO-15, for volatile organic compounds (VOCs) using Summa passive canisters.

SURVEYS AND PRE-SAMPLING BUILDING PREPARATION (IF REQUIRED)

If required, a pre-sampling inspection should be performed prior to each sampling event to identify and minimize conditions that may interfere with the proposed testing. The inspection should evaluate the type of structure, floor layout, airflows, and physical conditions of the building(s) being studied. This information, along with information on sources of potential indoor air contamination, should be identified on a building inventory form. An example of the building inventory form is attached. Items to be included in the building inventory include the following:

- Construction characteristics, including foundation cracks and utility penetrations or other openings that may serve as preferential pathways for vapor intrusion;
- Presence of an attached garage;
- Recent renovations or maintenance to the building (e.g., fresh paint, new carpet or furniture);
- Mechanical equipment that can affect pressure gradients (e.g., heating systems, clothes dryers or exhaust fans);

- Use or storage of petroleum products (e.g., fuel containers, gasoline operated equipment and unvented kerosene heaters); and
- Recent use of petroleum-based finishes or products containing volatile chemicals.

Each room on the floor of the building being tested and on lower floors, if possible, should be inspected. This is important because even products stored in another area of a building can affect the air of the room being tested.

The presence and description of odors (e.g., solvent, moldy) and portable vapor monitoring equipment readings (e.g., PIDs, ppb RAE, Jerome Mercury Vapor Analyzer, etc.) should be noted and used to help evaluate potential sources. This includes taking readings near products stored or used in the building.

Potential interference from products or activities releasing volatile chemicals may need to be controlled. Removing the source from the indoor environment prior to testing is the most effective means of reducing interference. Ensuring that containers are tightly sealed may be acceptable. When testing for volatile organic compounds, containers should be tested with portable vapor monitoring equipment to determine whether compounds are leaking. The inability to eliminate potential interference may be justification for not testing, especially when testing for similar compounds at low levels. The investigator should consider the possibility that chemicals may adsorb onto porous materials and may take time to dissipate.

In some cases, the goal of the testing is to evaluate the impact from products used or stored in the building (e.g., pesticide misapplications, school renovation projects). If the goal of the testing is to determine whether products are an indoor volatile chemical contaminant source, the removing these sources does not apply.

Once interfering conditions are corrected (if applicable), ventilation may be needed prior to sampling to eliminate residual contamination in the indoor air. If ventilation is appropriate, it should be completed 24 hours or more prior to the scheduled sampling time. Where applicable, ventilation can be accomplished by operating the building's HVAC system to maximize outside air intake. Opening windows and doors, and operating exhaust fans may also help or may be needed if the building has no HVAC system.

Air samples are sometimes designed to represent typical exposure in a mechanically ventilated building and the operation of HVAC systems during sampling should be noted on the building inventory form (see attached sample). In general, the building's HVAC system should be operating under normal conditions. Unnecessary building ventilation should be avoided within 24 hours prior to and during sampling. During colder months, heating systems should be operating to maintain normal indoor air temperatures (i.e., 65 – 75 °F) for at least 24 hours prior to and during the scheduled sampling time.

Depending upon the goal of the indoor air sampling, some situations may warrant deviation from the above protocol regarding building ventilation. In such cases, building conditions and sampling efforts should be understood and noted within the framework and scope of the investigation.

To avoid potential interferences and dilution effects, every effort should be made to avoid the following for 24 hours prior to sampling:

- Opening any windows, fireplace dampers, openings or vents;
- Operating ventilation fans unless special arrangements are made;
- Smoking in the building;
- Painting;
- Using a wood stove, fireplace or other auxiliary heating equipment (e.g., kerosene heater);
- Operating or storing automobile in an attached garage;

- Allowing containers of gasoline or oil to remain within the house or garage area, except for fuel oil tanks;
- Cleaning, waxing or polishing furniture, floors or other woodwork with petroleum- or oil-based products;
- Using air fresheners, scented candles or odor eliminators;
- Engaging in any hobbies that use materials containing volatile chemicals;
- Using cosmetics including hairspray, nail polish, nail polish removers, perfume/cologne, etc.;
- Lawn mowing, paving with asphalt, or snow blowing;
- Applying pesticides; and
- Using building repair or maintenance products, such as caulk or roofing tar.

PRODUCT INVENTORY (IF REQUIRED)

If required, the primary objective of the product inventory is to identify potential air sampling interference by characterizing the occurrence and use of chemicals and products throughout the building, keeping in mind the goal of the investigation and site-specific contaminants of concern. For example, it is not necessary to provide detailed information for each individual container of like items. However, it is necessary to indicate that "20 bottles of perfume" or "12 cans of latex paint" were present with containers in good condition. This information is used to help formulate an indoor environment profile.

An inventory should be provided for each room on the floor of the building being tested and on lower floors, if possible. This is important because even products stored in another area of a building can affect the air of the room being tested.

The presence and description of odors (e.g., solvent, moldy) and portable vapor monitoring equipment readings (e.g., PIDs, ppb RAE, Jerome Mercury Vapor Analyzer, etc.) should be noted and used to help evaluate potential sources. This includes taking readings near products stored or used in the building. Products in buildings should be inventoried every

time air is tested to provide an accurate assessment of the potential contribution of volatile chemicals. If available, chemical ingredients of interest (e.g., analyte list) should be recorded for each product. If the ingredients are not listed on the label, record the product's exact and full name, and the manufacturer's name, address and telephone number, if available. In some cases, Material Safety Data Sheets (MSDS) may be useful for identifying confounding sources of volatile chemicals in air. Adequately documented photographs of the products and their labeled ingredients can supplement the inventory and facilitate recording the information.

SAMPLE LOCATIONS

The following are types of samples that are collected to investigate the soil vapor intrusion pathway:

- Subsurface vapor samples:
  - *Soil vapor* samples (i.e., soil vapor samples not beneath the foundation or slab of a building) and
  - *Sub-slab vapor* samples (i.e., soil vapor samples immediately beneath the foundation or slab of a building);
- Indoor air samples; and
- Outdoor air samples.

The types of samples that should be collected depend upon the specific objective(s) of the sampling, as described below.

- Soil vapor
  Soil vapor samples are collected to determine whether this environmental medium is contaminated, characterize the nature and extent of contamination, and identify possible sources of the contamination. Soil vapor sampling results are used when evaluating the following:
  - The potential for *current* human exposures;
  - The potential for *future* human exposures (e.g., should a building be constructed); and

- The effectiveness of measures implemented to remediate contaminated subsurface vapors.

- Sub-slab vapor

  Sub-slab vapor samples are collected to characterize the nature and extent of soil vapor contamination immediately beneath a building with a basement foundation and/or a slab-on-grade. Sub-slab vapor sampling results are used when evaluating the following:
  - *Current* human exposures;
  - The potential for *future* human exposures (e.g., if the structural integrity of the building changes or the use of the building changes); and
  - Site-specific attenuation factors (i.e., the ratio of indoor air to sub-slab vapor concentrations).

  Sub-slab vapor samples are collected after soil vapor characterization and/or other environmental sampling (e.g., soil and groundwater characterization) indicate a need. Subslab samples are typically collected concurrently with indoor and outdoor air samples. However, outside of the heating season, sub-slab vapor samples may be collected independently depending on the sampling objective (e.g., characterize the extent of subsurface vapor contamination outside of the heating season to develop a more comprehensive, focused investigation plan for the heating season).

- Indoor air

  Indoor air samples are collected to characterize exposures to air within a building, including those with earthen floors and crawlspaces. Indoor air sampling results are used when evaluating the following:
  - *Current* human exposures;
  - The potential for *future* exposures (e.g., if a currently vacant building should become occupied); and
  - Site-specific attenuation factors (e.g., the ratio of indoor air to sub-slab vapor concentrations).

  Indoor air samples are collected after subsurface vapor characterization and other environmental sampling (e.g., soil and groundwater characterization) indicate a need. When indoor air samples are collected, concurrent sub-slab vapor and

outdoor air samples are collected to evaluate the indoor air results appropriately. However, indoor air and outdoor air samples, without sub-slab vapor samples, may be collected when confirming the effectiveness of a mitigation system.

In addition, site-specific situations may warrant collecting indoor air samples prior to characterizing subsurface vapors and/or without concurrent sub-slab sampling due to a need to examine immediate inhalation hazards. Examples of such situations may include, but are not limited to, the following:

- In response to a spill event when there is a need to qualitatively and/or quantitatively characterize the contamination;
- If high readings are obtained in a building when screening with field equipment (e.g., a photoionization detector (PID), an organic vapor analyzer, or an explosimeter) and the source is unknown;
- If significant odors are present and the source needs to be characterized; or
- If groundwater beneath the building is contaminated, the building is prone to groundwater intrusion or flooding (e.g., sump pit overflows), and subsurface vapor sampling is not feasible.

- Outdoor air

  Outdoor air samples are collected to characterize site-specific background outdoor air conditions. These samples must be collected simultaneously with indoor air samples. They may also be collected concurrently with soil vapor samples. Outdoor air sampling results are primarily used when evaluating the extent to which outdoor sources may be influencing indoor air quality. They may also be used in the evaluation of soil vapor results (i.e., to identify potential outdoor air interferences associated with the infiltration of outdoor air into the sampling apparatus while the soil vapor sample was collected).

SOIL VAPOR SAMPLE COLLECTION PROCEDURES

Soil vapor probe installations (see Figure 4 attached) may be permanent, semi-permanent, or temporary. In general, permanent installations are preferred for data consistency reasons. Soil implants or probes should be constructed in the same manner at all sampling locations to minimize possible discrepancies. The following procedures should be included in any construction protocol:

- Soil vapor probes should be installed using direct push technology or, if necessary to attain the desired depth, using an auger;
- Porous backfill material (e.g., glass beads or coarse sand) should be used to create a sampling zone 1 to 2 feet in length;
- Soil vapor probes should be fitted with inert tubing (e.g., polyethylene, stainless steel, or Teflon®) of the appropriate size (typically 1/8 inch to 1/4 inch diameter) and of laboratory or food grade quality to the surface;
- Soil vapor probes should be sealed above the sampling zone with a bentonite slurry for a minimum distance of 3 feet to prevent outdoor air infiltration and the remainder of the borehole backfilled with clean material;
- For multiple probe depths, the borehole should be grouted with bentonite between probes to create discrete sampling zones; and
- For permanent installations, a protective casing should be set around the top of the probe tubing and grouted in place to the top of bentonite to minimize infiltration of water or outdoor air, as well as to prevent accidental damage.

Soil vapor samples should be collected in the same manner at all locations to minimize possible discrepancies. The following procedures should be included in any sampling protocol:

- At least 24 hours after the installation of permanent probes and shortly after the installation of temporary probes, one to three implant volumes (i.e., the volume of

the sample probe and tube) must be purged prior to collecting the samples to ensure samples collected are representative;

- Flow rates for both purging and collecting must not exceed 0.2 liters per minute to minimize outdoor air infiltration during sampling;

- The target final field vacuum after 24 hours will be approximately -5 inches of mercury. Samples with a final field vacuum of greater than -10 inches of mercury, or equal to zero, will be flagged (usability of data will depend on sample volume and reporting limits that can be achieved).

- Samples must be collected, using conventional sampling methods, in an appropriate container — one which meets the objectives of the sampling (e.g., investigation of areas where low or high concentrations of volatile chemicals are expected; to minimize losses of volatile chemicals that are susceptible to photodegradation), meets the requirements of the sampling and analytical methods (e.g., low flow rate; Summa® canisters if analyzing by using EPA Method TO-15), and is certified clean by the laboratory;

- Sample size depends upon the volume of sample required to achieve minimum reporting limit requirements; and

- A tracer gas (e.g., helium, butane, or sulfur hexafluoride) must be used when collecting soil vapor samples to verify that adequate sampling techniques are being implemented (i.e., to verify infiltration of outdoor air is not occurring) (discussed later in this procedure). Once verified, continued use of the tracer gas may be reconsidered.

When soil vapor samples are collected, the following actions should be taken to document local conditions during sampling that may influence interpretation of the results:

- If sampling near a commercial or industrial building, uses of volatile chemicals during normal operations of the facility should be identified;

- Outdoor plot sketches should be drawn that include the site, area streets, neighboring commercial or industrial facilities (with estimated distance to the site), outdoor ambient air sample locations (if applicable), and compass orientation (north);

- Weather conditions (e.g., precipitation, outdoor temperature, barometric pressure, wind speed and direction) should be noted for the past 24 to 48 hours; and

- Any pertinent observations should be recorded, such as odors and readings from field instrumentation.

The field sampling team must maintain a sample log sheet summarizing the following:

- Sample identification,
- Date and time of sample collection,
- Sampling depth,
- Identity of samplers,
- Sampling methods and devices,
- Purge volumes,
- Volume of soil vapor extracted,
- If canisters used, the vacuum before and after samples collected,
- Apparent moisture content (dry, moist, saturated, etc.) of the sampling zone, and
- Chain of custody protocols and records used to track samples from sampling point to analysis.

SUB-SLAB VAPOR SAMPLE COLLECTION PROCEDURES

During colder months, heating systems should be operating to maintain normal indoor air temperatures (i.e., 65 – 75 °F) for at least 24 hours prior to and during the scheduled sampling time. Prior to installation of the sub-slab vapor probe, the building floor should be inspected and any penetrations (cracks, floor drains, utility perforations, sumps, etc.) should be noted and recorded. Probes should be installed at locations where the potential for ambient air infiltration via floor penetrations is minimal.

Sub-slab vapor probe installations (see Figure 5 attached) may be permanent, semi-permanent, or temporary. Sub-slab implants or probes should be constructed in the same manner at all sampling locations to minimize possible discrepancies. The following procedures should be included in any construction protocol:

- Permanent recessed probes must be constructed with brass or stainless steel tubing and fittings;
- Temporary probes must be constructed with polyethylene or Teflon® tubing of laboratory or food grade quality;
- Tubing should not extend further than 2 inches into the sub-slab material;
- Coarse sand or glass beads should be added to cover about 1 inch of the probe tip for permanent installations; and
- The soil vapor probe should be sealed to the surface with permagum grout, melted beeswax, putty or other non-VOC-containing and non-shrinking products for temporary installations or cement for permanent installations.

Sub-slab vapor samples should be collected in the following manner:

- After installation of the probes, one to three volumes (i.e., the volume of the sample probe and tube) must be purged prior to collecting the samples to ensure samples collected are representative;
- Flow rates for both purging and collecting must not exceed 0.2 liters per minute to minimize outdoor air infiltration during sampling;
- The target final field vacuum after 24 hours will be approximately -5 inches of mercury. Samples with a final field vacuum of greater than -10 inches of mercury, or equal to zero, will be flagged (usability of data will depend on sample volume and reporting limits that can be achieved).
- Samples must be collected, using conventional sampling methods, in an appropriate container — one which meets the objectives of the sampling (e.g., investigation of areas where low or high concentrations of volatile chemicals are expected; to minimize losses of volatile chemicals that are susceptible to photodegradation), meets the requirements of the sampling and analytical methods (e.g., low flow rate; Summa® canisters if analyzing by using EPA Method TO-15), and is certified clean by the laboratory;

- Sample size depends upon the volume of sample required to achieve minimum reporting limit requirements [Section 2.9 of the Guidance], the flow rate, and the sampling duration; and
- Ideally, samples should be collected over the same period of time as concurrent indoor and outdoor air samples.

When sub-slab vapor samples are collected, the following actions should be taken to document conditions during sampling and ultimately to aid in the interpretation of the sampling results:

- If sampling within a commercial or industrial building, uses of volatile chemicals in commercial or industrial processes and/or during building maintenance, should be identified;
- The use of heating or air conditioning systems during sampling should be noted;
- Floor plan sketches should be drawn that include the floor layout with sample locations, chemical storage areas, garages, doorways, stairways, location of basement sumps or subsurface drains and utility perforations through building foundations, HVAC system air supply and return registers, compass orientation (north), and any other pertinent information should be completed;
- If possible, photographs should accompany floor plan sketches;
- Outdoor plot sketches should be drawn that include the building site, area streets, outdoor air sample locations (if applicable), compass orientation (north), footings that create separate foundation sections, and paved areas;
- Weather conditions (e.g., precipitation, indoor and outdoor temperature, and barometric pressure) and ventilation conditions (e.g., heating system active and windows closed) should be reported;
- Smoke tubes or other devices should be used to confirm pressure relationships and air flow patterns, especially between floor levels and between suspected contaminant sources and other areas; and
- Any pertinent observations, such as spills, floor stains, smoke tube results, odors and readings from field instrumentation (e.g., vapors via PID, ppb RAE, Jerome Mercury Vapor Analyzer, etc.), should be recorded.

The field sampling team must maintain a sample log sheet summarizing the following:

- Sample identification,
- Date and time of sample collection,
- Sampling depth,
- Identity of samplers,
- Sampling methods and devices,
- Soil vapor purge volumes,
- Volume of soil vapor extracted,
- If canisters used, the vacuum before and after samples collected,
- Apparent moisture content (dry, moist, saturated, etc.) of the sampling zone, and
- Chain of custody protocols and records used to track samples from sampling point to analysis.

The following describes the subslab air sampling procedure:

1. Canisters will be supplied by the laboratory that will be conducting the analysis.

2. Sampling will take place in accordance with the project work plan sufficiently spaced to allow locations to be modified, if necessary.

3. The number of Summa canisters required as well as the flow rate of the constant differential low volume flow controllers will be supplied by the laboratory in accordance with the project work plan.

4. The sampling program will consist of concurrently collecting and analyzing one sub-slab vapor sample and one indoor ambient air sample (discussed in the next section). Sample locations should be selected based on the likelihood for potential continuous human occupancy during the workday (i.e., due to the size of the areas and available infrastructure), and to account for the possibility of varying foundation depths in different areas of the building. In addition, sample locations typically are based upon the results of a subsurface investigation (i.e., soil gas survey or boring advancement) conducted prior to air sample collection activities. Canisters are typically placed in areas where the highest concentrations of soil gas were observed. Indoor air sample locations

preferably should be selected near the middle of the sampled room, well away from the edges where dilution is more likely to occur.

5. Collect at least one outdoor ambient air sample from a location on the building roof or designated background area of the site positioned away from building ventilation system equipment on the highest portion of the building roof or site. See the Outdoor Ambient Air Sampling Procedure section in this procedure.

6. Field personnel should assure conservative sampling conditions prior to and throughout the sampling event. The building should be closed (windows and doors shut) and existing building ventilation systems should be turned off 12 to 24 hours before the air sampling is scheduled to begin as well as during sample collection. Any air-handling units that may induce large pressure gradients (i.e., exhaust fans, HVAC units etc.) should also be turned off.

7. Any activity being conducted by current building tenants involving volatile organic compounds, such as the use of lacquer thinner and cleaning solvents, prior to and/or during air sampling activities should be noted in the Project Field Book. These activities have the potential to bias the analytical results.

8. At each location, drill an approximately ¾-inch diameter hole through the concrete slab (typically 6-8 inches thick) using a hand-held hammer drill.

9. Measure and record the concrete thickness in the Project Field Book.

10. Insert polyethylene or Teflon® tubing of laboratory or food grade quality into the drilled hole and no further than 2 inches into the subslab material.

11. Seal the tubing with an appropriately sized volatile organic compound-free stopper (i.e., permagum grout, melted beeswax, putty, or other non-VOC-containing and non-shrinking product) into the concrete core hole and secure in-place making sure the fit is very snug. Supplement any visible gaps between the stopper and concrete slab with a VOC-free sealant, such as beeswax or bentonite slurry.

12. Run the tubing assembly through a shroud (plastic pail, cardboard box, or garbage bag) creating a tight seal with the surface making sure not to disturb the seal around the tubing penetration.

13. Enrich the atmosphere of the shroud with helium. Measure and record the helium concentration within the shroud.

14. Purge approximately 1 to 3 tubing volumes (i.e., the volume of the sample probe and tube) using a hand pump (or similar approved device) to ensure the collection of a representative sample.

15. Flow rates for both purging and sample collection must not exceed 0.2 liters per minute to minimize outdoor air infiltration during sampling.

16. Use a portable monitoring device to analyze a sample of soil vapor for the tracer **prior to and after** sampling for the compounds of concern. Note that the tracer gas samples can be collected via syringe, Tedlar bag etc. They need not be collected in Summa® canisters or minicans.

17. If concentrations greater than 10% of tracer gas are observed either prior to and/or after sampling, the probe seal should be enhanced to reduce the infiltration of outdoor air. Following enhancement of the seal, repeat steps 14 through 17 above until purged concentrations are less than 10% of the tracer gas within the shroud.

18. Following tubing purge and adequate seal integrity testing via helium tracer gas, immediately attach a 6-liter Summa Canister fitted with a 24-hour regulator (or approved other duration) to the opposite end of the tubing. Concurrent with each subslab sample location, prepare an indoor ambient air sample by staging a second Summa Canister on a ladder (approximately 2 to 5-feet above the floor) adjacent to the sub-slab sample location.

19. All Summa Canister valves should remain closed until all subslab borings are complete and all of the canisters in their respective positions.

20. Open the valves to all of the canisters for the required collection period (i.e., 24-hours). Record initial canister pressure on the Air Canister Field Record form.

21. Following sample collection and prior to closing canister valve, record final canister pressure on the Air Canister Field Record form. Close canister valve.

22. Collect all Summa Canisters and ship, under chain-of-custody command to an approved analytical laboratory for VOC analysis in accordance with USEPA Method TO-14 or TO-15.

23. Repair all concrete openings with a cement patch.

24. Analytical results submitted by the laboratory should be reported as concentrations of each VOC at each location, typically in parts per billion by volume (ppbv).

INDOOR AIR SAMPLE COLLECTION PROCEDURES

During colder months, heating systems should be operating to maintain normal indoor air temperatures (i.e., 65 – 75 °F) for at least 24 hours prior to and during the scheduled sampling time. If possible, prior to collecting indoor samples, a pre-sampling inspection, discussed earlier in this procedure, should be performed to evaluate the physical layout and conditions of the building being investigated, to identify conditions that may affect or interfere with the proposed sampling, and to prepare the building for sampling.

In general, indoor air samples should be collected in the following manner:

- Sampling duration should reflect the exposure scenario being evaluated without compromising the detection limit or sample collection flow rate (e.g., an 8 hour sample from a workplace with a single shift versus a 24 hour sample from a workplace with multiple shifts). To ensure that air is representative of the locations sampled and to avoid undue influence from sampling personnel, samples should be collected for at least 1 hour. If the goal of the sampling is to

represent average concentrations over longer periods, then longer duration sampling periods may be appropriate. Typically, 24 hour samples are collected from residential settings;

- Personnel should avoid lingering in the immediate area of the sampling device while samples are being collected;

- Sample flow rates must conform to the specifications in the sample collection method and, if possible, should be consistent with the flow rates for concurrent outdoor air and sub-slab samples;

- The target final field vacuum after 24 hours will be approximately -5 inches of mercury. Samples with a final field vacuum of greater than -10 inches of mercury, or equal to zero, will be flagged (usability of data will depend on sample volume and reporting limits that can be achieved); and

- Samples must be collected, using conventional sampling methods, in an appropriate container — one which meets the objectives of the sampling (e.g., investigation of areas where low or high concentrations of volatile chemicals are expected; to minimize losses of volatile chemicals that are susceptible to photodegradation), meets the requirements of the sampling and analytical methods (e.g., low flow rate; Summa® canisters if analyzing by using EPA Method TO-15), and is certified clean by the laboratory.

At sites with tetrachloroethene contamination, passive air monitors that are specifically analyzed for tetrachloroethene (i.e., "perc badges") are commonly used to collect indoor and outdoor air samples. If site characterization activities indicate that degradation products of tetrachloroethene also represent a vapor intrusion concern, perc badges may be used to indicate the likelihood of vapor intrusion (i.e., by using tetrachloroethene as a surrogate) followed, as needed, by more comprehensive sampling and laboratory analyses to quantify both tetrachloroethene and its degradation products. Perc badge samples ideally should be collected over a twenty-four hour period, but for no less than eight hours.

The following actions should be taken to document conditions during indoor air sampling and ultimately to aid in the interpretation of the sampling results:

- A product inventory survey must be completed (discussed earlier);
- The use of heating or air conditioning systems during sampling should be noted;
- Floor plan sketches should be drawn that include the floor layout with sample locations, chemical storage areas, garages, doorways, stairways, location of basement sumps or subsurface drains and utility perforations through building foundations, HVAC system supply and return registers, compass orientation (north), and any other pertinent information should be completed;
- If possible, photographs should accompany floor plan sketches;
- Outdoor plot sketches should be drawn that include the building site, area streets, outdoor air sample locations (if applicable), compass orientation (north), footings that create separate foundation sections, and paved areas;
- Weather conditions (e.g., precipitation, indoor and outdoor temperature, and barometric pressure) and ventilation conditions (e.g., heating system active and windows closed) should be reported;
- Smoke tubes or other devices should be used to confirm pressure relationships and air flow patterns, especially between floor levels and between suspected contaminant sources and other areas; and
- Any pertinent observations, such as spills, floor stains, smoke tube results, odors and readings from field instrumentation (e.g., vapors via PID, ppb RAE, Jerome Mercury Vapor Analyzer, etc.), should be recorded.

The field sampling team must maintain a sample log sheet summarizing the following:

- Sample identification,
- Date and time of sample collection,
- Sampling height,

- Identity of samplers,
- Sampling methods and devices,
- Depending upon the method, volume of air sampled,
- If canisters used, the vacuum before and after samples collected,
- Chain of custody protocols and records used to track samples from sampling point to analysis.

The following describes the indoor air sampling procedure:

1. Canisters will be supplied by the laboratory that will be conducting the analysis.

2. Sampling will take place in accordance with the project work plan sufficiently spaced to allow locations to be modified, if necessary.

3. The number of Summa canisters required as well as the flow rate of the constant differential low volume flow controllers will be supplied by the laboratory in accordance with the project work plan. Indoor air sampling typically requires the continuous collection of samples over a 24-hour period.

4. The sampling program will consist of concurrently collecting and analyzing one sub-slab vapor sample and one indoor ambient air sample. Sample locations should be selected based on the likelihood for potential continuous human occupancy during the workday (i.e., due to the size of the areas and available infrastructure), and to account for the possibility of varying foundation depths in different areas of the building. In addition, sample locations typically are based upon the results of a subsurface investigation (i.e., soil gas survey or boring advancement) conducted prior to air sample collection activities. Canisters are typically placed in areas where the highest concentrations of soil gas were observed. Indoor air sample locations preferably should be selected near the middle of the sampled room, well away from the edges where dilution is more likely to occur.

5. Collect at least one outdoor ambient air sample from a location on the building roof or designated background area of the site positioned away from building ventilation system equipment on the highest portion of the building

roof or site. See the Outdoor Ambient Air Sampling Procedure presented in this procedure.

6. Field personnel should assure conservative sampling conditions prior to and throughout the sampling event. The building should be closed (windows and doors shut) and existing building ventilation systems should be turned off 12 to 24 hours before the air sampling is scheduled to begin as well as during sample collection. Any air-handling units that may induce large pressure gradients (i.e., exhaust fans, HVAC units etc.) should also be turned off.

7. Any activity being conducted by current building tenants involving volatile organic compounds, such as the use of lacquer thinner and cleaning solvents, prior to and/or during air sampling activities should be noted in the Project Field Book. These activities have the potential to bias the analytical results.

8. Concurrent with each subslab sample location, prepare an indoor ambient air sample by staging a second Summa Canister on a ladder (approximately 2 to 5-feet above the floor) adjacent to the sub-slab sample location.

9. All Summa Canister valves should remain closed until all subslab borings are complete and all of the canisters in their respective positions.

10. Open the valves to all of the canisters for the required collection period (i.e., 24-hours). Record initial canister pressure on the Air Canister Field Record form.

11. Following sample collection and prior to closing canister valve, record final canister pressure on the Air Canister Field Record form. Close canister valve.

12. Collect all Summa Canisters and ship, under chain-of-custody command to an approved analytical laboratory for VOC analysis in accordance with USEPA Method TO-14 or TO-15.

13. Analytical results submitted by the laboratory should be reported as concentrations of each VOC at each location, typically in parts per billion by volume (ppbv).

OUTDOOR AIR SAMPLE COLLECTION PROCEDURES

Outdoor air samples must be collected simultaneously with indoor air samples and may be collected concurrently with subsurface vapor samples. Outdoor air samples must be collected in the same manner as indoor samples.

The following actions should be taken to document conditions during outdoor air sampling and ultimately to aid in the interpretation of the sampling results:

- Outdoor plot sketches should be drawn that include the building site, area streets, outdoor air sample locations (if applicable), the location of potential interferences (e.g., gasoline stations, factories, lawn movers, etc.), compass orientation (north), footings that create separate foundation sections, and paved areas;

- Weather conditions (e.g., precipitation, indoor and outdoor temperature, and barometric pressure) and ventilation conditions (e.g., heating system active and windows closed) should be reported; and

- Any pertinent observations, such as odors, readings from field instrumentation, and significant activities in the vicinity (e.g., operation of heavy equipment or dry cleaners) should be recorded.

The following describes the outdoor air sampling procedure:

1. Canisters will be supplied by the laboratory that will be conducting the analysis.

2. Sampling will take place in accordance with the project work plan sufficiently spaced to allow locations to be modified, if necessary.

3. The number of Summa canisters required as well as the flow rate of the constant differential low volume flow controllers will be supplied by the laboratory in accordance with the project work plan.

4. Sample locations typically are collected upwind of the facility.

5. Collect at least one outdoor ambient air sample from a location on the building roof or designated background area of the site positioned away from building ventilation system equipment on the highest portion of the building roof or site. Place canisters on the ground or step ladder, with a clear plastic sheet beneath to prevent contamination. Locate the sampling inlet approximately 18-inches above the ground surface.

6. Sample collection should take place on warm, dry days. If rain or high humidity conditions develop during sampling, the sampling event should be suspended. Temperature, barometric pressure, and wind speed should be monitored during the sampling event, for use in analysis of the results.

7. The combination of sampling location, height, and meteorological conditions will assure that sampling will measure VOCs at their highest concentrations.

8. All Summa Canister valves should remain closed until all subslab borings are complete and all of the indoor and outdoor canisters in their respective positions.

9. Open the valves to all of the canisters for the required collection period (i.e., 24-hours). Record initial canister pressure on the Air Canister Field Record form.

10. Following sample collection and prior to closing canister valve, record final canister pressure on the Air Canister Field Record form. Close canister valve.

11. Collect all Summa Canisters and ship, under chain-of-custody command to an approved analytical laboratory for VOC analysis in accordance with USEPA Method TO-14 or TO-15.

12. Air samples will be analyzed by Gas Chromatography/Mass Spectroscopy (GC/MS) in accordance with EPA Method TO-14 or TO-15.

13. Analytical results will be reported as concentrations of each VOC at each location during each sampling event, typically in parts per billion by volume (ppbv).

TRACER GAS

When collecting soil vapor samples as part of a vapor intrusion evaluation, a tracer gas serves as a quality assurance/quality control device to verify the integrity of the soil vapor probe seal. Without the use of a tracer, there is no way to verify that a soil vapor sample has not been diluted by surface air.

Depending on the nature of the contaminants of concern, a number of different compounds can be used as a tracer. Typically, sulfur hexafluoride (SF6) or helium are used as tracers because they are readily available, have low toxicity, and can be monitored with portable measurement devices. Butane and propane (or other gases) could also be used as a tracer in some situations. The protocol for using a tracer gas is straightforward: simply enrich the atmosphere in the immediate vicinity of the area where the probe intersects the ground surface with the tracer gas, and measure a vapor sample from the probe for the presence of high concentrations (> 10%) of the tracer. A cardboard box, a plastic pail, or even a garbage bag can serve to keep the tracer gas in contact with the probe during the testing.

There are two basic approaches to testing for the tracer gas:

- Include the tracer gas in the list of target analytes reported by the laboratory; or

- Use a portable monitoring device to analyze a sample of soil vapor for the tracer prior to and after sampling for the compounds of concern. (Note that the tracer gas samples can be collected via syringe, Tedlar bag etc. They need not be collected in Summa® canisters or minicans.)

The advantage of the second approach is that the real time tracer sampling results can be used to confirm the integrity of the probe seals prior to formal sample collection. Figure 6 (attached) depicts common methods for using tracer gas. In each of the examples, a, b and c, the tracer gas is released in the enclosure prior to initially purging the sample point. Care should be taken to avoid excessive purging prior to sample collection. Care should also be taken to prevent pressure build-up in the enclosure during introduction of the tracer gas. Inspection of the installed sample probe, specifically noting the integrity of the surface seal and the porosity of the soil in which the probe is installed, will help to determine the tracer gas setup. Figure 6(a) may be most effective at preventing tracer gas infiltration; however, it may not be required in some situations depending on site-specific conditions. Figures 6(b) and 6(c) may be sufficient for probes installed in tight soils with well-constructed surface seals. In all cases, the same tracer gas application should be used for all probes at any given site.

Because minor leakage around the probe seal should not materially affect the usability of the soil vapor sampling results, the mere presence of the tracer gas in the sample should not be a cause for alarm. Consequently, portable field monitoring devices with detection limits in the low ppm range are more than adequate for screening samples for the tracer. If high concentrations (> 10%) of tracer gas are observed in a sample, the probe seal should be enhanced to reduce the infiltration of ambient air.

During the initial stages of a soil vapor sampling program, tracer gas samples should be collected at each of the sampling probes. If the results of the initial samples indicate that the probe seals are adequate, the project manager can consider reducing the number of locations at which tracer gas samples are employed. At a minimum, at least 10% of the subsequent samples should be supported with tracer gas analyses. When using permanent soil vapor probes as part of a long-term monitoring program, annual testing of the probe integrity is recommended.

QUALITY ASSURANCE / QUALITY CONTROL (QA/QC)

Extreme care should be taken during all aspects of sample collection to ensure that sampling error is minimized and high quality data are obtained. The sampling team members should avoid actions (e.g., fueling vehicles, using permanent marking pens, and wearing freshly dry-cleaned clothing or personal fragrances), which can cause sample interference in the field. Appropriate QA/QC protocols must be followed for sample collection and laboratory analysis, such as use of certified clean sample devices, meeting sample holding times and temperatures, sample accession, chain of custody, etc. Samples should be delivered to the analytical laboratory as soon as possible after collection. In addition, laboratory accession procedures must be followed including field documentation (sample collection information and locations), chain of custody, field blanks, field sample duplicates, and laboratory duplicates, as appropriate.

Some methods require collecting samples in duplicate (e.g., indoor air sampling using passive sampling devices for tetrachloroethene) to assess errors. Duplicate and/or split samples should be collected in accordance with the requirements of the sampling and analytical methods being implemented.

For certain regulatory programs, a Data Usability Summary Report (DUSR) may be required to determine whether or not the data, as presented, meets the site or project specific criteria for data quality and data use. This requirement may dictate the level of QC and the category of data deliverable to request from the laboratory. Guidance on preparing a DUSR is available by contacting the NYSDEC's Division of Environmental Remediation.

New York State Public Health Law requires laboratories analyzing environmental samples collected from within New York State to have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix

combinations. If ELAP certification is not currently required for an analyte (e.g., trichloroethene), the analysis should be performed by a laboratory that has ELAP certification for similar compounds in air and uses analytical methods with detection limits similar to background (e.g., tetrachloroethene via EPA Method TO-15).

The work plan must state that all samples that will be used to make decisions on appropriate actions to address exposures and environmental contamination will be analyzed by an ELAP-certified laboratory. If known, the name of the laboratory should also be provided. Similarly, the name of the laboratory that was used must be included in the report of the sampling results. For samples collected and tested in the field for screening purposes by using field testing technology, the qualifications of the field technician must be documented in the work plan.

The target final field vacuum of any sample canister after 24 hours will be approximately -5 inches of mercury. Samples with a final field vacuum of greater than -10 inches of mercury, or equal to zero, will be flagged (usability of data will depend on sample volume and reporting limits that can be achieved).

DECISION MATRICES (FIGURES 1, 2, AND 3)

The considerations in assigning a chemical to a matrix include the following:

- Human health risks, including such factors as a chemical's ability to cause cancer, reproductive, developmental, liver, kidney, nervous system, immune system or other effects, in animals and humans and the doses that may cause those effects;
- The data gaps in its toxicological database;
- Background concentrations of volatile chemicals in indoor air [Section 3.2.4]; and
- Analytical capabilities currently available.

To use the matrices accurately as a tool in the decision-making process, the following must be noted:

- The matrices are generic. As such, it may be necessary to modify recommended actions to accommodate building-specific conditions (e.g., dirt floor in basement, crawl spaces, etc.) and/or site-specific conditions (e.g., proximity of building to identified subsurface contamination) for the protection of public health. Additionally, actions more conservative than those specified within the matrix may be implemented at any time. For example, the decision to implement more conservative actions may be based on a comparison of the costs associated with resampling or monitoring to the costs associated with installation and monitoring of a mitigation system.

- Indoor air concentrations detected in samples collected from the building's basement or, if the building has a slab-on-grade foundation, from the building's lowest occupied living space should be used.

- Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude the need to investigate possible sources of vapor contamination, nor does it preclude the need to remediate contaminated soil vapors or the source of soil vapor contamination.

- When current exposures are attributed to sources other than vapor intrusion, the agencies must be provided documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix and to support assessment and follow-up by the agencies.

RECOMMENDED ACTIONS

Actions recommended in the matrix are based on the relationship between sub-slab vapor concentrations and corresponding indoor air concentrations. They are intended to address both potential and current human exposures and include the following:

- *No further action*
  When the volatile chemical is not detected in the indoor air sample and the concentration detected in the corresponding sub-slab vapor sample is not expected to substantially affect indoor air quality.

- *Identify source(s) and resample or mitigate*
  Reasonable and practical actions are recommended to identify the source(s) affecting indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Resampling may be required in the event indoor and/or outdoor sources are not readily identified or confirmed to demonstrate SVI mitigation actions are not needed. Steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile chemical-containing products in places where people do not spend much time, such as a garage or shed). Mitigation may be required if soil vapor intrusion cannot be ruled out.

- *Monitor*
  Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure HVAC systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building specific basis, taking into account applicable environmental data and building operating conditions.

- *Mitigate*
  Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. Methods to mitigate exposures related to soil vapor intrusion are described in Section 4 of the Guidance.

TIME OF YEAR

Sub-slab vapor samples and, unless there is an immediate need for sampling, indoor air samples are typically collected during the heating season because soil vapor intrusion is more likely to occur when a building's heating system is in operation and air is being drawn into the building. In general, heating systems are expected to be operating routinely from November 15th to March 31st throughout the state. However, this timeframe may vary depending on factors, such as the location of the site (e.g., upstate versus downstate) and the weather conditions for a particular year.

A vapor intrusion investigation may also be conducted outside of the heating season. However, the results may not be used to rule out exposures. For example, results indicating "no further action" or "monitoring required" must be verified during the heating season to ensure these actions are protective during the heating season as well.

SAMPLING ROUNDS

Investigating a soil vapor intrusion pathway usually requires more than one round of subsurface vapor, indoor air, and/or outdoor air sampling, for reasons such as the following:

- To characterize the nature and extent of subsurface vapor contamination (similar to the delineation of groundwater contamination) and to address corresponding exposure concerns;

- To evaluate fluctuations in concentrations due to
  - Different weather conditions (e.g., seasonal effects),
  - Changes in building conditions (e.g., various operating conditions of a building's HVAC system),
  - Changes in source strength, or
  - Vapor migration or contaminant biodegradation processes (particularly when degradation products may be more toxic than the parent compounds); or

- To confirm sampling results or the effectiveness of mitigation or remedial systems.

Overall, successive rounds of sampling are conducted until the following questions can be answered:

- Are subsurface vapors contaminated? If so, what are the nature and extent of contamination? What is/are the source(s) of the contamination?
- What are the current and potential exposures to contaminated subsurface vapors?
- What actions, if any, are needed to prevent or mitigate exposures and to remediate subsurface vapor contamination?

Toward this end, multiple rounds of sampling may be required to characterize the nature and extent of subsurface vapor contamination such that

- Both potential and current exposures are adequately addressed;
- Measures can be designed to remediate subsurface vapor contamination, either directly (e.g., SVE system) or indirectly (e.g., soil excavation or groundwater remediation), given that monitoring and mitigation are considered temporary measures implemented to address exposures related to vapor intrusion until contaminated environmental media are remediated; and
- The effectiveness of remedial measures can be monitored and confirmed (e.g., endpoint sampling).

ATTACHMENTS

Figure 1 *Soil Vapor/Indoor Air Matrix A*
Figure 2 *Soil Vapor/Indoor Air Matrix B*
Figure 3 *Soil Vapor/Indoor Air Matrix C*
Figure 4 *Schematics of a permanent soil vapor probe and permanent nested soil vapor probes*
Figure 5 *Schematic of a sub-slab vapor probe*
Figure 6 *Schematics of tracer gas applications*

Air Canister Field Record

Indoor Air Quality Questionnaire and Building Inventory

REFERENCES

New York State Department of Health, *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006.

New York State Department of Health, *Indoor Air Sampling & Analysis Guidance.* (February 1, 2005).

Office of Solid Waste and Emergency Response (OSWER). *Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance)*. November 2002.

United States Environmental Protection Agency. *EPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air*. 1988

- Method TO-15, Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS). Pp. 15-1 through 15-62.
- Method TO-17, Determination of Volatile Organic Compounds in Ambient Air using Active Sampling on Sorbent Tubes. Pp. 17-1 through 17-49.
- Compendium of Methods for the Determination of Air Pollutants in Indoor Air, EPA/600/4-90-010.

FIGURE 1

Soil Vapor/Indoor Air Matrix A

May 2017

Analytes Assigned:
Trichloroethene (TCE), *cis*-1,2-Dichloroethene (c12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 to < 1	1 and above
< 6	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

MATRIX A Page 1 of 2

ADDITIONAL NOTES FOR MATRIX A

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

FIGURE 2

Soil Vapor/Indoor Air Matrix B

May 2017

Analytes Assigned:
Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 3	3 to < 10	10 and above
< 100	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. No further action	5. MONITOR	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

MATRIX B Page 1 of 2

ADDITIONAL NOTES FOR MATRIX B

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

FIGURE 3

Soil Vapor/Indoor Air Matrix C

May 2017

Analytes Assigned:
Vinyl Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)	
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 and above
< 6	1. No further action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	3. MONITOR	4. MITIGATE
60 and above	5. MITIGATE	6. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

MATRIX C Page 1 of 2

ADDITIONAL NOTES FOR MATRIX C

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

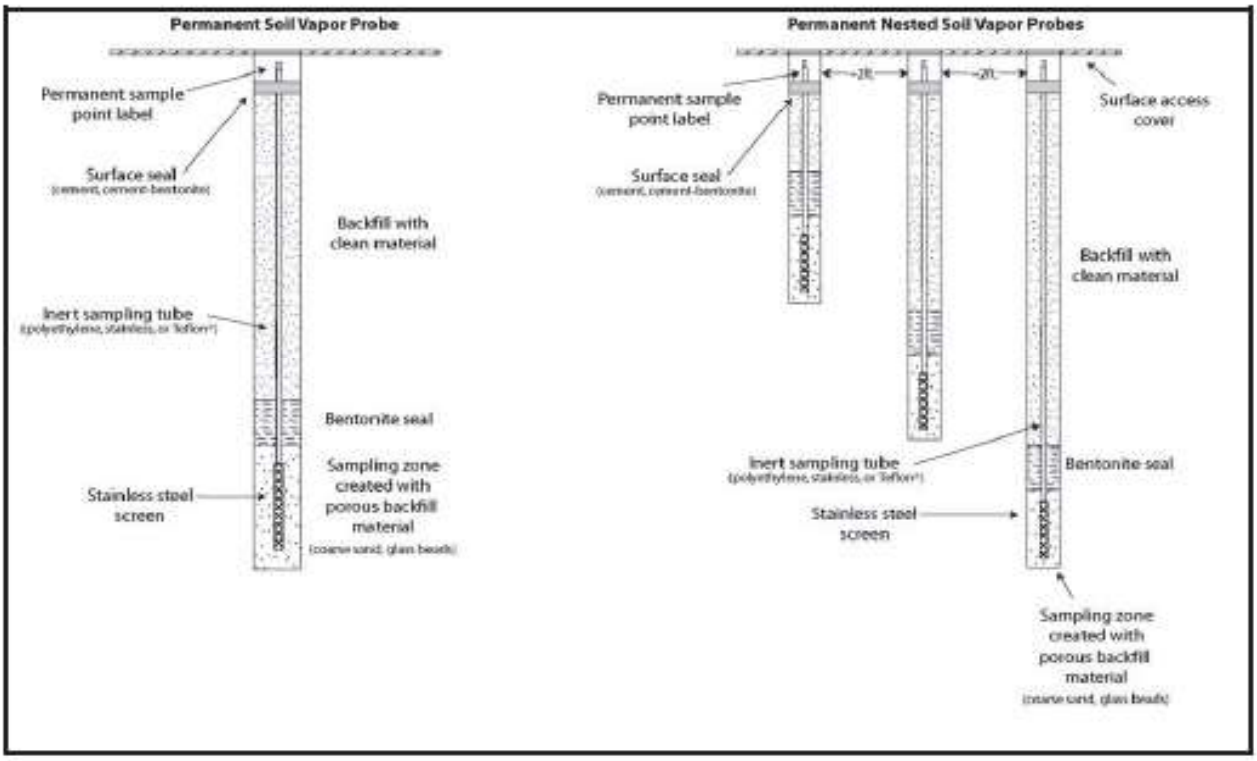
[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

FIGURE 4

Schematics of a permanent soil vapor probe and permanent nested soil vapor probes



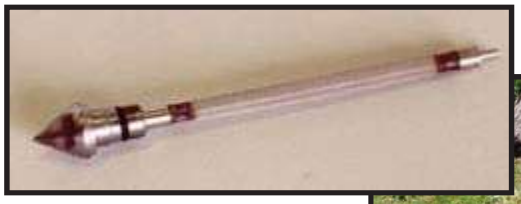
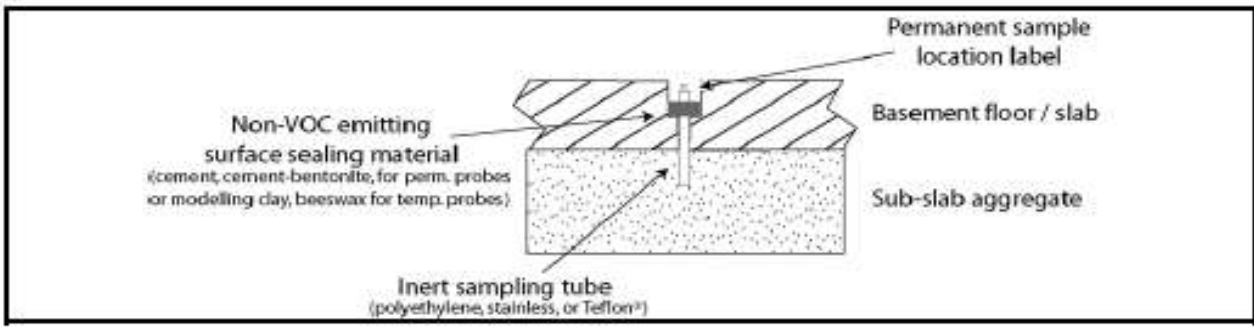


FIGURE 5

Schematic of a sub-slab vapor probe



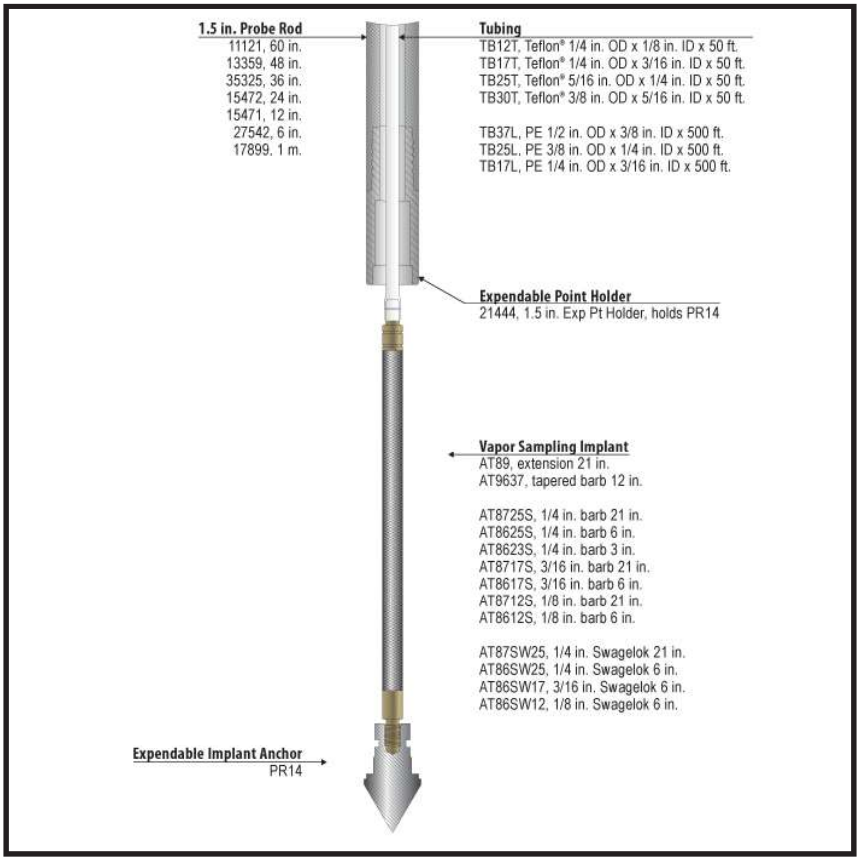
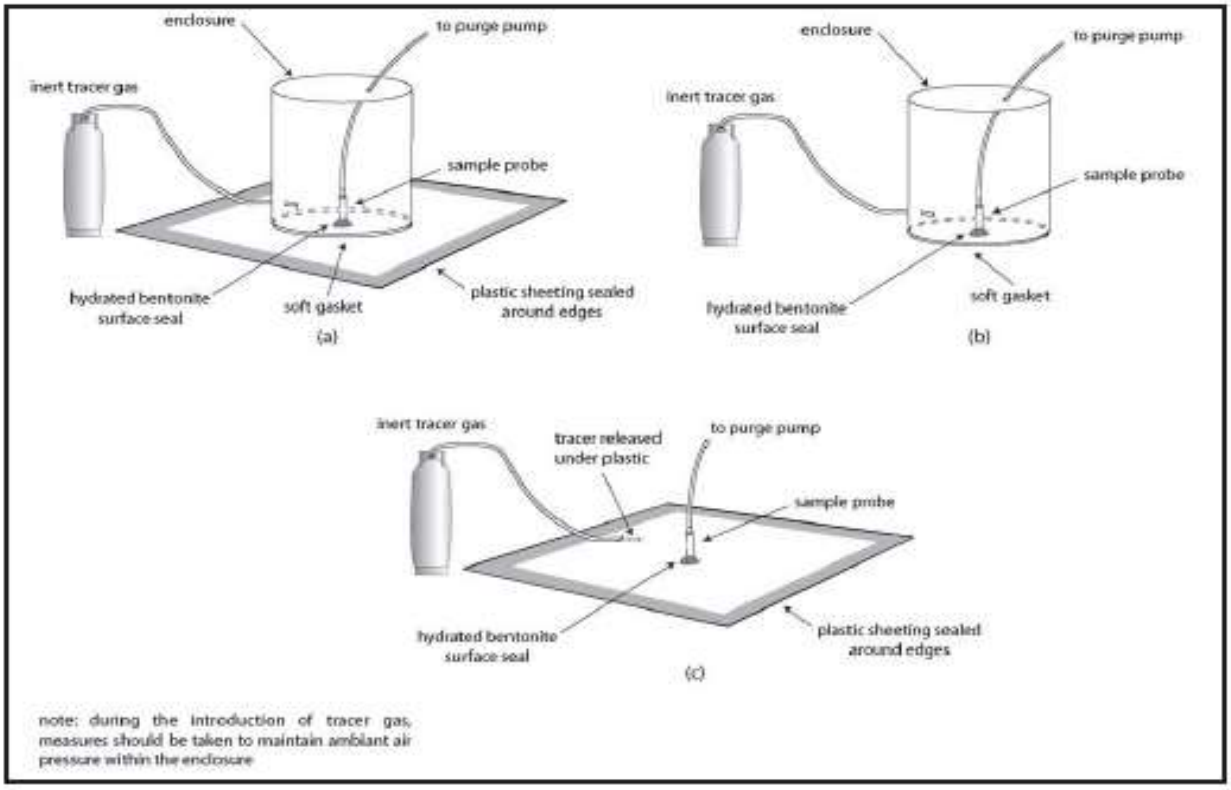


FIGURE 6

Schematics of tracer gas applications



AIR CANISTER FIELD RECORD

PROJECT INFORMATION:

Project:
Job No:
Location:
Field Staff:
Client:

SAMPLE I.D.:

Size of Canister:
Canister Serial No.:
Flow Controller No.:
Sample Date(s):
Shipping Date:
Sample Type: ☐ Indoor Air ☐ Outdoor Air
☐ Subslab, complete section below ☐ Soil Gas
Soil Gas Probe Depth:

WEATHER CONDITIONS:

Ambient Air Temp. - A.M.:
Ambient Air Temp. - P.M.:
Wind Direction:
Wind Speed:
Precipitation:

FIELD SAMPLING INFORMATION:

READING	TIME	VACUUM (inches Hg) or PRESSURE (psig)	DATE	INITIALS
Lab Vacuum (on tag)				
Field Vacuum Check [1]				
Initial Field Vacuum [2]				
Final Field Vacuum [3]				
Duration of Sample Collection				

LABORATORY CANISTER PRESSURIZATION:

Initial Vacuum (inches Hg and psia)		
Final Pressure (psia)		
Pressurization Gas		

SUBSLAB SHROUD:

Shroud Helium Concentration:
Calculated tubing volume: x 3 =
Purged Tubing Volume Concentration:
Is the purged volume concentration less than or equal to 10% in shroud?
☐ YES, continue sampling
☐ NO, improve surface seal and retest

COMPOSITE TIME (hours)	FLOW RATE RANGE (ml/min)
15 Min.	316 - 333
0.5 Hours	158 - 166.7
1	79.2 - 83.3
2	39.6 - 41.7
4	19.8 - 20.8
6	13.2 - 13.9
8	9.9 - 10.4
10	7.92 - 8.3
12	6.6 - 6.9
24	3.5 - 4.0

NOTES:

1 Vacuum measured using portable vacuum gauge (provided by Lab)
2 Vacuum measured by canister gauge upon opening valve
3 Vacuum measured by canister gauge prior to closing valve

Signed:

SOIL VAPOR SAMPLE COLLECTION PROCEDURE

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

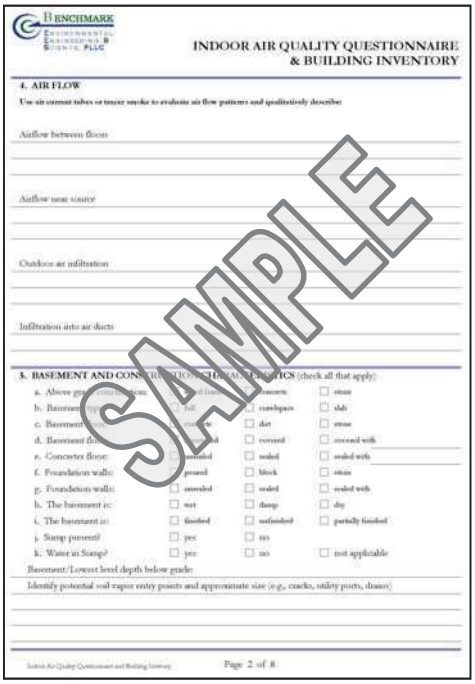
Project Name: Project No.
Project Location: Client:
Preparer's Name: Date/Time:
Preparer's Affiliation: Phone No:
Purpose of Investigation:

1. OCCUPANT:
Interviewed: yes no
Last Name: First Name:
Address:
County:
Home Phone: Office Phone:
Number of Occupants/persons at this location: Age of Occupants:

2. OWNER OR LANDLORD: (check if same as occupant)
Interviewed: yes no
Last Name:
Address:
County:
Home Phone:

3. BUILDING CHARACTERISTICS
Type of Building: (check appropriate response)
☐ Residential ☐ Commercial/Multi-use
☐ Industrial ☐ Other:
If the property is residential: (optional: check appropriate response)
☐ Ranch ☐ 2 Family ☐ 3 Family
☐ Raised Ranch ☐ Split Level ☐ Colonial
☐ Cape ☐ Contemporary ☐ Mobile Home
☐ Duplex ☐ Apartment House ☐ Townhouse/Condo
☐ Modular ☐ Log Home ☐ Other:
If multiple units, how many?
If the property is commercial, type?
Business Type(s):
Does it include residences (i.e., multi-use)? yes no If yes, how many?
Other Characteristics:
Number of floors Building age:
Is the building insulated? yes no How air tight? tight average not tight

Indoor Air Quality Questionnaire and Building Inventory Page 1 of 8



BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

4. AIR FLOW
Use air current tubes or tracer smoke to evaluate air flow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (check all that apply)
a. Above grade construction: ☐ wood ☐ concrete ☐ stone
b. Basement type: ☐ full ☐ crawlspace ☐ slab
c. Basement location: ☐ no basement ☐ slab ☐ stone
d. Basement floor: ☐ concrete ☐ dirt ☐ covered ☐ covered with
e. Concrete floor: ☐ unsealed ☐ sealed ☐ sealed with
f. Foundation walls: ☐ poured ☐ block ☐ stone
g. Foundation walls: ☐ unsealed ☐ sealed ☐ sealed with
h. The basement is: ☐ wet ☐ damp ☐ dry
i. The basement is: ☐ finished ☐ unfinished ☐ partially finished
j. Sump present? ☐ yes ☐ no
k. Water in Sump? ☐ yes ☐ no ☐ not applicable
Basement/Lowest level depth below grade:
Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains):

Indoor Air Quality Questionnaire and Building Inventory Page 2 of 8

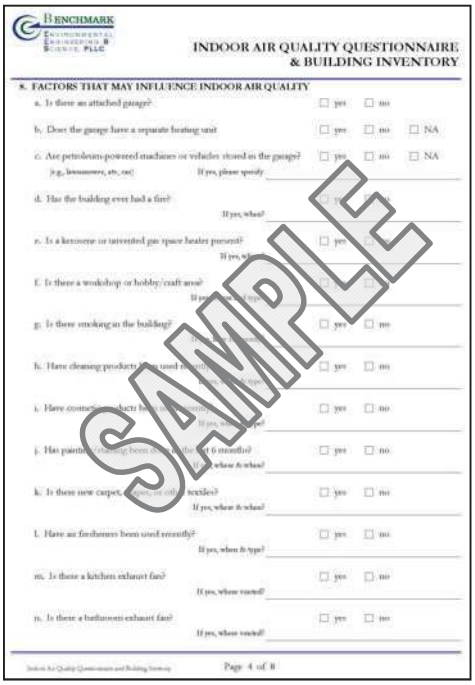
BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

6. HEATING, VENTING, and AIR CONDITIONING (check all that apply)
Type of heating system(s) used in this building: (check all that apply - note primary)
☐ Hot air circulation ☐ Heat pump ☐ Hot water baseboard
☐ Space Heaters ☐ Steam radiation ☐ Radiant floor
☐ Electric baseboard ☐ Wood stove ☐ Outdoor wood boiler
☐ Other
The primary type of fuel used is:
☐ Natural Gas ☐ Fuel oil ☐ Kerosene
☐ Electric ☐ Propane ☐ Other
☐ Wood ☐ Coal ☐ Other
Domestic hot water tank fueled by:
Boiler/furnace located in:
☐ Basement ☐ Outdoors ☐ Other
Air Conditioning:
☐ Central Air ☐ Window Units ☐ Open Windows ☐ None
Are there air distribution ducts present? ☐ yes ☐ no
Describe the supply and cold air return ductwork, noting insulation where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY
Is basement/lowest level occupied? ☐ Full time ☐ Occasionally ☐ Seldom ☐ Almost Never
Level General Use of Each Floor (e.g., family room, bedroom, laundry, workshop, storage)
Basement
First Floor
Second Floor
Third Floor
Fourth Floor

Indoor Air Quality Questionnaire and Building Inventory Page 3 of 8

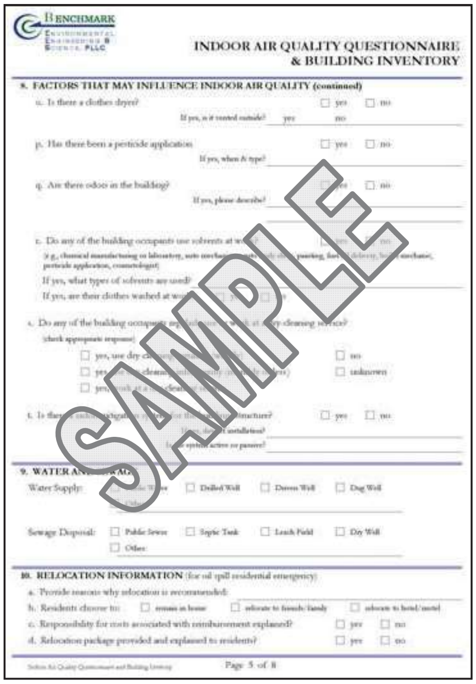


BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY
a. Is there an attached garage? ☐ yes ☐ no
b. Does the garage have a separate heating unit ☐ yes ☐ no ☐ NA
c. Are petroleum-powered machines or vehicles stored in the garage? ☐ yes ☐ no ☐ NA
(e.g., lawnmower, atv, car) If yes, please specify:
d. Has the building ever had a fire? ☐ yes ☐ no
If yes, when?
e. Is a kerosene or unvented gas space heater present? ☐ yes ☐ no
If yes, where?
f. Is there a workshop or hobby/craft area? ☐ yes ☐ no
If yes, describe type:
g. Is there smoking in the building? ☐ yes ☐ no
h. Have cleaning products been used recently? ☐ yes ☐ no
If yes, describe type:
i. Have cosmetic products been used recently? ☐ yes ☐ no
If yes, describe type:
j. Has painting or staining been done in the last 6 months? ☐ yes ☐ no
If yes, what & when?
k. Is there new carpet, drapes, or other textiles? ☐ yes ☐ no
If yes, what & when?
l. Have air fresheners been used recently? ☐ yes ☐ no
If yes, when & type?
m. Is there a kitchen exhaust fan? ☐ yes ☐ no
If yes, where vented?
n. Is there a bathroom exhaust fan? ☐ yes ☐ no
If yes, where vented?

Indoor Air Quality Questionnaire and Building Inventory Page 4 of 8



BENCHMARK Environmental Engineering & Science, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE
& BUILDING INVENTORY

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY (continued)

o. Is there a clothes dryer? ☐ yes ☐ no
If yes, is it vented outside? yes no

p. Has there been a pesticide application ☐ yes ☐ no
If yes, when & type?

q. Are there odors in the building? ☐ yes ☐ no
If yes, please describe?

r. Do any of the building occupants use solvents at work? ☐ yes ☐ no
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)
If yes, what types of solvents are used?
If yes, are their clothes washed at work? ☐ yes ☐ no

s. Do any of the building occupants regularly use or work at a dry-cleaning service?
(check appropriate response)
☐ yes, use dry cleaning regularly (weekly) ☐ no
☐ yes, use dry-cleaning infrequently (monthly or less) ☐ unknown
☐ yes, work at a dry-cleaning service

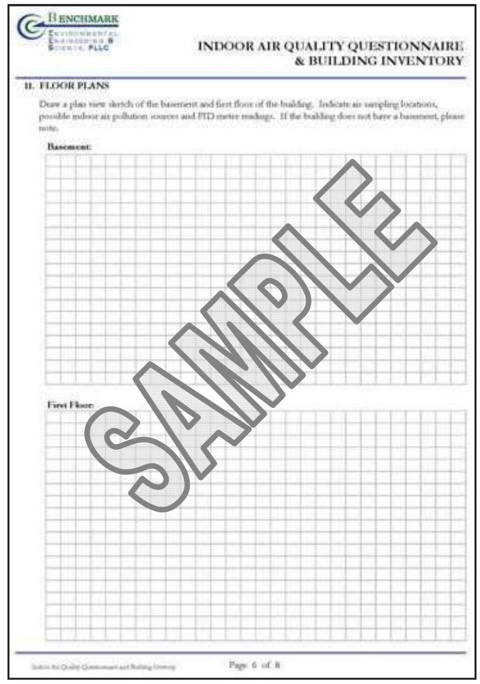
t. Is there a radon mitigation system for the building/structure? ☐ yes ☐ no
If yes, date of installation?
Is the system active or passive?

9. WATER AND SEWAGE
Water Supply: ☐ Public Water ☐ Drilled Well ☐ Driven Well ☐ Dug Well
☐ Other:

Sewage Disposal: ☐ Public Sewer ☐ Septic Tank ☐ Leach Field ☐ Dry Well
☐ Other:

10. RELOCATION INFORMATION (for oil spill residential emergency)
a. Provide reasons why relocation is recommended:
b. Residents choose to: ☐ remain in home ☐ relocate to friends/family ☐ relocate to hotel/motel
c. Responsibility for costs associated with reimbursement explained? ☐ yes ☐ no
d. Relocation package provided and explained to residents? ☐ yes ☐ no

Indoor Air Quality Questionnaire and Building Inventory — Page 5 of 8



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INDOOR AIR QUALITY QUESTIONNAIRE
& BUILDING INVENTORY

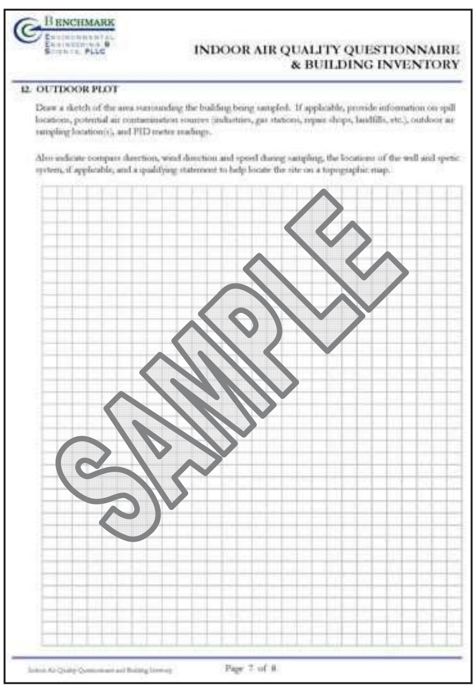
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

First Floor:

Indoor Air Quality Questionnaire and Building Inventory — Page 6 of 8



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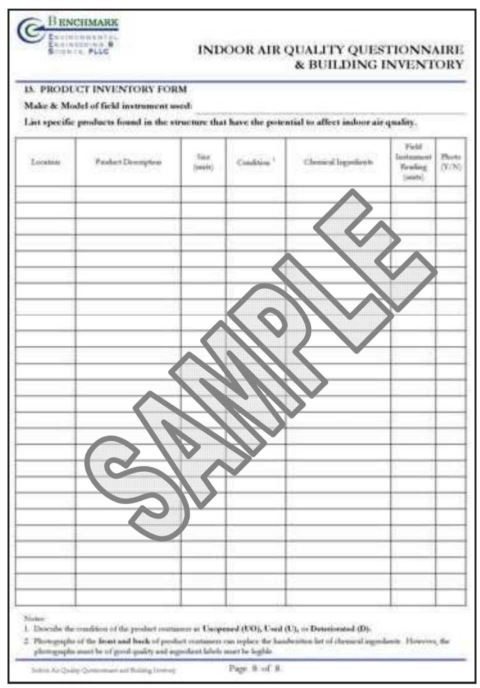
INDOOR AIR QUALITY QUESTIONNAIRE
& BUILDING INVENTORY

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s), and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

Indoor Air Quality Questionnaire and Building Inventory — Page 7 of 8



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INDOOR AIR QUALITY QUESTIONNAIRE
& BUILDING INVENTORY

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used:

List specific products found in the structure that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition [1]	Chemical Ingredients	Field Instrument Reading (units)	Photo [2] (Y/N)

Notes:
1. Describe the condition of the product containers as **Unopened (UO), Used (U), or Deteriorated (D).**
2. Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Indoor Air Quality Questionnaire and Building Inventory — Page 8 of 8

ROUX

FIELD OPERATING PROCEDURES

Calibration and Maintenance of Portable Dissolved Oxygen Meter

FOP 007.0

CALIBRATION AND MAINTENANCE OF PORTABLE DISSOLVED OXYGEN METER

PURPOSE

This guideline describes a method for calibration of a portable dissolved oxygen meter. This meter measures the concentration of dissolved oxygen within a water sample. This parameter is of interest both as a general indicator of water quality, and because of its pertinence to fate and transport of organics and inorganics. This guideline presents a method for calibration of this meter, which is performed to verify instrument accuracy and function. All field instruments will be calibrated, verified and recalibrated at frequencies required by their respective operating manuals or manufacturer's specifications, but not less than once each day that the instrument is in use. Field personnel should have access to all operating manuals for the instruments used for the field measurements. This procedure also documents critical maintenance activities for this meter.

ACCURACY

The calibrated accuracy of the dissolved oxygen meter will be within ± 1% of full-scale over the temperature range of 23° to 113° F (-5° to +45° C).

PROCEDURE

1. Calibrate the dissolved oxygen meter to ambient air based on probe temperature and true local atmospheric pressure conditions (or feet above sea level). Because procedures vary with different brands and models of meters, refer to the manufacturer's recommended calibration procedures.

2. In the event of a failure to adequately calibrate, follow the corrective action directed by the manufacturer.
3. If calibration cannot be achieved or maintained, obtain a replacement instrument (rental instruments) and/or order necessary repairs/adjustment.

4. Document the calibration results and related information in the Project Field Book and on an **Equipment Calibration Log** (see attached sample). Information will include, at a minimum:
    - Time, date, and initials of the field team member performing the calibration
    - The unique identifier for the meter, including manufacturer, model, and serial number
    - The brand and expiration dates of calibration solutions
    - The calibration readings
    - The instrument settings (if applicable)
    - The approximate response time
    - The overall adequacy of calibration including the Pass or fail designation in accordance with the accuracy specifications presented above
    - Corrective action taken (see Step 5 above) in the event of failure to adequately calibrate

MAINTENANCE

- When not in use or between measurements, the dissolved oxygen probe will be kept immersed in or moist with deionized water.

- The meter batteries will be checked prior to each meter's use and will be replaced when the meter cannot be redline adjusted.

- The meter response time and stability will be tracked to determine the need for instrument maintenance. When response time becomes greater than two minutes, probe service is indicated.

ATTACHMENTS

Equipment Calibration Log (sample)

FOP 007.0

CALIBRATION AND MAINTENANCE OF PORTABLE DISSOLVED OXYGEN METER

EQUIPMENT CALIBRATION

PROJECT INFORMATION:

Project Name: Date:

Project No.:

Client: Instrument Source: ☐ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	READING	SETTI
☐ pH meter	units		Myron L Company Ultra Meter 6P	606987		4.00		
						7.00		
						10.01		
☐ Turbidity meter	NTU		Hach 2100P Turbidimeter	970600014560		< 0.4		
						20		
						100		
						800		
☐ Sp. conductance meter	uS/mS		Myron L Company Ultra Meter 6P	606987		µS @ 25 °C		
☐ PID	ppm		Photovac 2020 PID			open air zero		MIBK re
						____ ppm Iso. Gas		factor =
☐ Particulate meter	mg/m^3					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/h					background area		
☐								

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

ROUX

FIELD OPERATING PROCEDURES

Calibration and Maintenance of Portable Field pH/Eh Meter

FOP 008.0

CALIBRATION AND MAINTENANCE OF PORTABLE FIELD pH/Eh METER

PURPOSE

This guideline describes a method for calibration of a portable pH/Eh meter. The pH/Eh meter measures the hydrogen ion concentration or acidity of a water sample (pH function), and the oxidation/reduction potential of a water sample (Eh function). Calibration is performed to verify instrument accuracy and function. All field instruments will be calibrated, verified and recalibrated at frequencies required by their respective operating manuals or manufacturer's specifications, but not less than once each day that the instrument is in use. Field personnel should have access to all operating manuals for the instruments used for the field measurements. This procedure also documents critical maintenance activities for this meter.

ACCURACY

The calibrated accuracy of the pH/Eh meter will be:

pH ± 0.2 pH unit, over the temperature range of ± 0.2 C.

Eh ± 0.2 millivolts (mV) over the range of ± 399.9 mV, otherwise ± 2 mV.

PROCEDURE

Note: Meters produced by different manufacturers may have different calibration procedures. These instructions will take precedence over the procedure provided herein. This procedure is intended to be used as a general guideline, or in the absence of available manufacturer's instructions.

1. Obtain and active the meter to be used. As stated above, initial calibrations will be performed at the beginning of each sampling day.

2. Immerse the sensing probe in a container of certified pH 7.0 buffer solution traceable to the National Bureau of Standards.

3. Measure the temperature of the buffer solution, and adjust the temperature setting accordingly.

4. Compare the meter reading to the known value of the buffer solution while stirring. If the reading obtained by the meter does not agree with the known value of the buffer solution, recalibrate the meter according to the manufacturer's instructions until the desired reading is obtained. This typically involves accessing and turning a dial or adjustment screw while measuring the pH of the buffer solution. The meter is adjusted until the output agrees with the known solution pH.

5. Repeat Steps 2 through 5 with a pH 4.0 and 10.0 buffer solution to provide a three-point calibration. Standards used to calibrate the pH meter will be of concentrations that bracket the expected values of the samples to be analyzed, especially for two-point calibrations (see note below).

Note: Some pH meters only allow two-point calibrations. Two-point calibrations should be within the suspected range of the groundwater to be analyzed. For example, if the groundwater pH is expected to be approximately 8, the two-point calibration should bracket that value. Buffer solutions of 7 and 10 should then be used for the two-point calibration.

6. Document the calibration results and related information in the Project Field Book and on an **Equipment Calibration Log** (see attached sample). Information will include, at a minimum:

    - Time, date, and initials of the field team member performing the calibration
    - The unique identifier for the meter, including manufacturer, model, and serial number
    - The brand and expiration dates of buffer solutions
    - The instrument readings
    - The instrument settings (if applicable)

- Pass or fail designation in accordance with the accuracy specifications presented above
- Corrective action taken (see Maintenance below) in the event of failure to adequately calibrate

MAINTENANCE

- When not in use, or between measurements, keep the pH/Eh probe immersed in or moist with buffer solutions.

- Check the meter batteries at the end of each day and recharge or replace as needed.

- Replace the pH/Eh probe any time that the meter response time becomes greater than two minutes or the meeting system consistently fails to retain its calibrated accuracy for a minimum of ten sample measurements.

- If a replacement of the pH/Eh probe fails to resolve instrument response time and stability problems, obtain a replacement instrument (rental instruments) and/or order necessary repairs/adjustment.

ATTACHMENTS

Equipment Calibration Log (sample)

FOP 008.0

CALIBRATION AND MAINTENANCE OF PORTABLE FIELD pH/Eh METER

EQUIPMENT CALIBRATION

PROJECT INFORMATION:

Project Name: Date:

Project No.:

Client: Instrument Source: ☐ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	READING	SETTI
☐ pH meter	units		Myron L Company Ultra Meter 6P	606987		4.00		
						7.00		
						10.01		
☐ Turbidity meter	NTU		Hach 2100P Turbidimeter	970600014560		< 0.4		
						20		
						100		
						800		
☐ Sp. conductance meter	uS/mS		Myron L Company Ultra Meter 6P	606987		µS @ 25 °C		
☐ PID	ppm		Photovac 2020 PID			open air zero		MIBK re
						____ ppm Iso. Gas		factor =
☐ Particulate meter	mg/m^3					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/h					background area		
☐								

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

ROUX

FIELD OPERATING PROCEDURES

Calibration and Maintenance of Portable Field Turbidity Meter

FOP 009.0

CALIBRATION AND MAINTENANCE OF PORTABLE FIELD TURBIDITY METER

PURPOSE

This guideline describes the method for calibration of the HACH 2100P portable field turbidity meter. Turbidity is one water quality parameter measured during purging and development of wells. Turbidity is measured as a function of the samples ability to transmit light, expressed as Nephelometric Turbidity Units (NTUs). The turbidity meter is factory calibrated and must be checked daily prior to using the meter in the field. Calibration is performed to verify instrument accuracy and function. This procedure also documents critical maintenance activities for this meter.

ACCURACY

Accuracy shall be ± 2% of reading below 499 NTU or ± 3% of reading above 500 NTU with resolution to 0.01 NTU in the lowest range. The range key provides for automatic or manual range selection for ranges of 0.00 to 9.99, 0.0 to 99.9 and 0 to 1000 NTU. Another key provides for selecting automatic signal averaging. Pressing the key shall toggle signal averaging on or off.

PROCEDURE

Calibration of the 2100P Turbidimeter is based on formazin, the primary standard for turbidity. The instrument's electronic and optical design provides long-term stability and minimizes the need for frequent calibration. The two-detector ratioing system compensates for most fluctuations in lamp output. **A formazin recalibration should be performed at least once every three months,** more often if experience indicates the need. During calibration, use a primary standard such as StablCal™ Stabilized Standards or formazin standards.

Note: Meters produced by different manufacturers may have different calibration check procedures. These manufacturers' instructions will take precedence over the procedure provided here. This procedure is intended to be used as a general guideline, or in the absence of available manufacturer's instructions.

Note: Because the turbidity meter measures light transmission, it is critical that the meter and standards be cared for as precision optical instruments. Scratches, dirt, dust, etc. can all temporarily or permanently affect the accuracy of meter readings.

Preparing StablCal Stabilized Standards in Sealed Vials

Sealed vials that have been sitting undisturbed for longer than a month must be shaken to break the condensed suspension into its original particle size. Start at *step 1* for these standards. If the standards are used on at least a weekly interval, start at *step 3*.

Note: These instructions do not apply to < 0.1 NTU StablCal Standards; < 0.1 NTU StablCal Standards should not be shaken or inverted.

1. Shake the standard vigorously for 2-3 minutes to re-suspend any particles.
2. Allow the standard to stand undisturbed for 5 minutes.
3. Gently invert the vial of StablCal 5 to 7 times.
4. Prepare the vial for measurement using traditional preparation techniques. This usually consists of oiling the vial (see *Section 2.3.2 on page 11 of the manual*)

and marking the vial to maintain the same orientation in the sample cell compartment (see *Section 2.3.3 on page 12 of the manual*). This step will eliminate any optical variations in the sample vial.

5. Let the vial stand for one minute. The standard is now ready for use in the calibration procedure.

Calibration Procedure

1. Turn the meter on.

2. Shake pre-mixed formazin primary standards in accordance with the above procedure.

3. Wipe the outside of the < 0.1 NTU standard and insert the sample cell in the cell compartment by aligning the orientation mark on the cell with the mark on the front of the cell compartment.

4. Close the lid and press **I/O**.

5. Press the **CAL** button. The **CAL** and **S0** icons will be displayed and the 0 will flash. The four-digit display will show the value of the **S0** standard for the previous calibration. If the blank value was forced to 0.0, the display will be blank. Press the right arrow key (→) to get a numerical display.

6. Press **READ**. The instrument will count from 60 to 0, read the blank and use it to calculate a correction factor for the 20 NTU standard measurement. If the dilution water is ≥ 0.5 NTU, E 1 will appear when the calibration is calculated (*see Section 3.6.2.3 on page 31 of the manual*). The display will automatically increment to the next standard. Remove the sample cell from the cell compartment

Note: The turbidity of the dilution water can be "forced" to zero by pressing → rather than reading the dilution water. The display will show "S0 NTU" and the ↑ key must be pressed to continue with the next standard.

7. Repeat steps 1 through 7 for the 20, 100 and 800 standards.

8. Following the 800 NTU standard calibration, the display will increment back to the **S0** display. Remove the sample cell from the cell compartment.

9. Press **CAL** to accept the calibration. The instrument will return to measurement mode automatically.

10. Document the calibration results and related information in the Project Field Book and on an **Equipment Calibration Log** (see attached sample). Information will include, at a minimum:
    - Time, date, and initials of the field team member performing the calibration
    - The unique identifier for the meter, including manufacturer, model, and serial number
    - The brand of calibration standards
    - The instrument readings
    - The instrument settings (if applicable)
    - Pass or fail designation in accordance with the accuracy specifications presented above
    - Corrective action taken (see Maintenance below) in the event of failure to adequately calibrate.

Note: Pressing CAL completes the calculation of the calibration coefficients. If calibration errors occurred during calibration, error messages will appear after CAL is pressed. If E 1 or E 2 appear, check the standard preparation and review the calibration; repeat the calibration if necessary. If "CAL?" appears, an error may have

occurred during calibration. If "CAL?" is flashing, the instrument is using the default calibration.

NOTES

- If the **I/O** key is pressed during calibration, the new calibration data is lost and the old calibration will be used for measurements. Once in calibration mode, only the **READ, I/O,** ↑ , and →keys function. Signal averaging and range mode must be selected before entering the calibration mode.

- If **E 1** or **E 2** are displayed, an error occurred during calibration. Check the standard preparation and review the calibration; repeat the calibration if necessary. Press **DIAG** to cancel the error message (**E 1** or **E 2)**. To continue without repeating the calibration, press **I/O** twice to restore the previous calibration. If "**CAL?"** is displayed, an error may have occurred during calibration. The previous calibration may not be restored. Either recalibrate or use the calibration as is.

- To review a calibration, press **CAL** and then ↑ to view the calibration standard values. As long as **READ** is never pressed and **CAL** is not flashing, the calibration will not be updated. Press **CAL** again to return to the measurement mode.

MAINTENANCE

- **Cleaning**: Keep the turbidimeter and accessories as clean as possible and store the instrument in the carrying case when not in use. Avoid prolonged exposure to sunlight and ultraviolet light. Wipe spills up promptly. Wash sample cells with non-abrasive laboratory detergent, rinse with distilled or demineralized water, and air dry. Avoid scratching the cells and wipe all moisture and fingerprints off the cells before inserting them into the instrument. Failure to do so can give inaccurate readings. See *Section 2.3.1 on page 11of the manual* for more information about sample cell care.

- **Battery Replacement**: AA alkaline cells typically last for about 300 tests with the signal-averaging mode off, about 180 tests if signal averaging is used. The "battery" icon flashes when battery replacement is needed. Refer to *Section 1.4.2 on page 5 of the manual* for battery installation instructions. If the batteries are changed within 30

seconds, the instrument retains the latest range and signal average selections. If it takes more than 30 seconds, the instrument uses the default settings. If, after changing batteries, the instrument will not turn off or on and the batteries are good, remove the batteries and reinstall them. If the instrument still won't function, contact Hach Service or the nearest authorized dealer.

- **Lamp Replacement**: The procedure in *Section 4.0 on page 49 of the manual* explains lamp installation and electrical connections. Use a small screwdriver to remove and install the lamp leads in the terminal block. The instrument requires calibration after lamp replacement.

ATTACHMENTS

Equipment Calibration Log (sample)

FOP 009.0

CALIBRATION AND MAINTENANCE OF PORTABLE FIELD TURBIDITY METER

EQUIPMENT CALIBRATION

PROJECT INFORMATION:

Project Name: Date:

Project No.:

Client: Instrument Source: ☐ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	READING	SETTI
☐ pH meter	units		Myron L Company Ultra Meter 6P	606987		4.00		
						7.00		
						10.01		
☐ Turbidity meter	NTU		Hach 2100P Turbidimeter	970600014560		< 0.4		
						20		
						100		
						800		
☐ Sp. conductance meter	uS/mS		Myron L Company Ultra Meter 6P	606987		µS @ 25 °C		
☐ PID	ppm		Photovac 2020 PID			open air zero		MIBK re
						____ ppm Iso. Gas		factor =
☐ Particulate meter	mg/m³					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/h					background area		
☐								

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

ROUX

FIELD OPERATING PROCEDURES

Calibration and Maintenance of Portable Photoionization Detector (PID)

FOP 011.1

CALIBRATION AND MAINTENANCE OF PORTABLE PHOTOIONIZATION DETECTOR

PURPOSE

This procedure describes a general method for the calibration and maintenance of a portable photoionization detector (PID). The PID detects and initially quantifies a reading of the volatile organic compound (VOC) concentration in air. The PID is used as a field-screening tool for initial evaluation of soil samples and for ambient air monitoring of compounds with ionization potentials (IP) less than the PID lamp electron voltage (eV) rating. The IP is the amount of energy required to move an electron to an infinite distance from the nucleus thus creating a positive ion plus an electron. It should be noted that all of the major components of air (i.e., carbon dioxide, methane, nitrogen, oxygen etc.) have IP's above 12 eV. As a result, they will not be ionized by the 9.8, 10.6, or 11.7 eV lamps typically utilized in field PIDs. The response of the PID will then be the sum of the organic and inorganic compounds in air that are ionized by the appropriate lamp (i.e., 9.8, 10.6 or 11.7 eV). Attached to this FOP is a table summarizing common organic compounds and their respective IPs.

Calibration is performed to verify instrument accuracy and function. All field instruments will be calibrated, verified and recalibrated at frequencies required by their respective operating manuals or manufacturer's specifications, but not less than once each day that the instrument is in use. Compound-specific calibration methods should be selected on a project-by-project basis to increase the accuracy of the instrument. The best way to calibrate a PID to different compounds is to use a standard of the gas of interest. However, correction factors have been determined that enable the user to quantify a large number of chemicals using only a single calibration gas, typically isobutylene. Field personnel should have access to all operating manuals for the instruments used for the field measurements. This procedure also documents critical maintenance activities for this meter.

CALIBRATION AND MAINTENANCE OF PORTABLE PHOTOIONIZATION DETECTOR

Note: The information included below is equipment manufacturer- and model-specific, however, accuracy, calibration, and maintenance procedures for this type of portable equipment are typically similar. The information below pertains to the MiniRAE 2000 Portable VOC Monitor equipped with a 10.6 eV lamp. The actual equipment to be used in the field will be equivalent or similar. The following information is provided for general reference; the equipment-specific manufacturer's manual should be followed with precedence over this FOP.

Note: The PID indicates total VOC concentration readings that are normalized to a calibration standard, so actual quantification of individual compounds is not provided. In addition, the PID response to compounds is highly variable, dependent on ionization potential of the compound, and the presence or absence of other compounds.

ACCURACY

The MiniRAE 2000 is accurate to ± 2 ppm or 10% of the reading for concentrations ranging from 0-2,000 ppm and ± 20% of the reading at concentrations greater than 2,000 ppm. Response time is less than two seconds to 90 percent of full-scale. The operating temperature range is 0 to 45° C and the operating humidity range is 0 to 95 % relative humidity (non-condensing).

CALIBRATION PROCEDURE

The calibration method and correction factor, if applicable, will be selected on a project-by-project basis and confirmed with the Project Manager prior to the start of field work.

1. Calibrate all field test equipment at the beginning of each sampling day. Check and recalibrate the PID according to the manufacture's specifications.

2. Calibrate the PID using a compressed gas cylinder or equivalent containing the calibration standard, a flow regulator, and a tubing assembly. In addition, a compressed gas cylinder containing zero air ("clean" air) may be required if ambient air conditions do not permit calibration to "clean air".

3. Fill two Tedlar® bags equipped with a one-way valve with zero-air (if applicable) and the calibration standard gas.

4. Assemble the calibration equipment and actuate the PID in its calibration mode.

5. Select the appropriate calibration method. Calibration may be completed with two methods: 1) where the calibration standard gas is the same as the measurement gas (no correction factor is applied) or 2) where the calibration standard gas is not the same as the measurement gas and a correction factor will be applied. An isobutylene standard gas must be used as the calibration standard gas for the use of correction factors with the MiniRAE 2000. See below for additional instructions for calibration specific to use with or without correction factors.

Calibrating Without a Correction Factor

Navigate within the menu to select the "cal memory" for the specific calibration standard gas prior to calibration. The default gas selections for the MiniRAE 2000 are as follows:

Cal Memory #0	Isobutylene
Cal Memory #1	Hexane
Cal Memory #2	Xylene
Cal Memory #3	Benzene
Cal Memory #4	Styrene
Cal Memory #5	Toluene
Cal Memory #6	Vinyl Chloride
Cal Memory #7	Custom

The calibration standard gas for Cal Memory #1-7 may be toggled for selection of any of the approximately 100 preprogrammed calibration standard gases for use without an applied correction factor (i.e., the calibration gas must be the same as the measurement gas).

Calibrating With a Correction Factor

Navigate within the menu to select the "Cal Memory".

Select "Cal Memory #0" and toggle for selection of any of the approximately 100 preprogrammed chemicals. During calibration, the unit requests isobutylene gas and displays the isobutylene concentration immediately following calibration, but when the unit is returned to the normal reading mode, it displays the selected chemical and applies the correction factor.

If the pre-programmed list does not include the desired chemical or a user-defined measurement gas and correction factor is desired, toggle Cal Memory #0 to "user defined custom gas". A list of approximately 300 correction factors is attached in Technical Note 106 generated by MiniRAE.

6. Once the PID settings have been verified, connect the PID probe to the zero air calibration bag (or calibrate to ambient air if conditions permit) and wait for a stable indication.

7. Connect the PID probe to the calibration standard bag. Measure an initial reading of the standard and wait for a stable indication.

8. Keep the PID probe connected to the calibration standard bag, calibrate to applicable concentration (typically 100 ppm with isobutylene) with the standard and wait for a stable indication.

9. Document the calibration results and related information in the Project Field Book and on an **Equipment Calibration Log** (see attached sample), indicating the meter readings before and after the instrument has been adjusted. This is important, not only for data validation, but also to establish

maintenance schedules and component replacement. Information will include, at a minimum:

- Time, date and initials of the field team member performing the calibration
- The unique identifier for the meter, including manufacturer, model, and serial number
- The calibration standard and concentration
- Correction factors used, if any
- The brand and expiration date of the calibration standard gas
- The instrument readings: before and after calibration
- The instrument settings (if applicable)
- Pass or fail designation in accordance with the accuracy specifications presented above
- Corrective action taken (see Maintenance below) in the event of failure to adequately calibrate.

MAINTENANCE

- The probe and dust filter of the PID should be checked before and after every use for cleanliness. Should instrument response become unstable, recalibration should be performed. If this does not resolve the problem, access the photoionization bulb and clean with the manufacturer-supplied abrasive compound, then recalibrate.

- The PID battery must be recharged after each use. Store the PID in its carrying case when not in use. Additional maintenance details related to individual components of the PID are provided in the equipment manufacturer's instruction manual. If calibration or instrument performance is not in accordance with specifications, send the instrument to the equipment manufacturer for repair.

- Maintain a log for each monitoring instrument. Record all maintenance performed on the instrument on this log with date and name of the organization performing the maintenance.

ATTACHMENTS

Table 1; Summary of Ionization Potentials
Equipment Calibration Log (sample)
Technical Note TN-106

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
A		
2-Amino pyridine	8	
Acetaldehyde	10.21	
Acetamide	9.77	
Acetic acid	10.69	X
Acetic anhydride	10	
Acetone	9.69	
Acetonitrile	12.2	X
Acetophenone	9.27	
Acetyl bromide	10.55	
Acetyl chloride	11.02	X
Acetylene	11.41	X
Acrolein	10.1	
Acrylamide	9.5	
Acrylonitrile	10.91	X
Allyl alcohol	9.67	
Allyl chloride	9.9	
Ammonia	10.2	
Aniline	7.7	
Anisidine	7.44	
Anisole	8.22	
Arsine	9.89	
B		
1,3-Butadiene (butadiene)	9.07	
1-Bromo-2-chloroethane	10.63	X
1-Bromo-2-methylpropane	10.09	
1-Bromo-4-fluorobenzene	8.99	
1-Bromobutane	10.13	
1-Bromopentane	10.1	
1-Bromopropane	10.18	
1-Bromopropene	9.3	
1-Butanethiol	9.14	
1-Butene	9.58	
1-Butyne	10.18	
2,3-Butadione	9.23	
2-Bromo-2-methylpropane	9.89	
2-Bromobutane	9.98	
2-Bromopropane	10.08	

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
2-Bromothiophene	8.63	
2-Butanone (MEK)	9.54	
3-Bromopropene	9.7	
3-Butene nitrile	10.39	
Benzaldehyde	9.53	
Benzene	9.25	
Benzenethiol	8.33	
Benzonitrile	9.71	
Benzotrifluoride	9.68	
Biphenyl	8.27	
Boron oxide	13.5	X
Boron trifluoride	15.56	X
Bromine	10.54	
Bromobenzene	8.98	
Bromochloromethane	10.77	X
Bromoform	10.48	
Butane	10.63	X
Butyl mercaptan	9.15	
cis-2-Butene	9.13	
m-Bromotoluene	8.81	
n-Butyl acetate	10.01	
n-Butyl alcohol	10.04	
n-Butyl amine	8.71	
n-Butyl benzene	8.69	
n-Butyl formate	10.5	
n-Butyraldehyde	9.86	
n-Butyric acid	10.16	
n-Butyronitrile	11.67	X
o-Bromotoluene	8.79	
p-Bromotoluene	8.67	
p-tert-Butyltoluene	8.28	
s-Butyl amine	8.7	
s-Butyl benzene	8.68	
sec-Butyl acetate	9.91	
t-Butyl amine	8.64	
t-Butyl benzene	8.68	
trans-2-Butene	9.13	
C		

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
1-Chloro-2-methylpropane	10.66	X
1-Chloro-3-fluorobenzene	9.21	
1-Chlorobutane	10.67	X
1-Chloropropane	10.82	X
2-Chloro-2-methylpropane	10.61	X
2-Chlorobutane	10.65	X
2-Chloropropane	10.78	X
2-Chlorothiophene	8.68	
3-Chloropropene	10.04	
Camphor	8.76	
Carbon dioxide	13.79	X
Carbon disulfide	10.07	
Carbon monoxide	14.01	X
Carbon tetrachloride	11.47	X
Chlorine	11.48	X
Chlorine dioxide	10.36	
Chlorine trifluoride	12.65	X
Chloroacetaldehyde	10.61	X
α -Chloroacetophenone	9.44	
Chlorobenzene	9.07	
Chlorobromomethane	10.77	X
Chlorofluoromethane (Freon 22)	12.45	X
Chloroform	11.37	X
Chlorotrifluoromethane (Freon 13)	12.91	X
Chrysene	7.59	
Cresol	8.14	
Crotonaldehyde	9.73	
Cumene (isopropyl benzene)	8.75	
Cyanogen	13.8	X
Cyclohexane	9.8	
Cyclohexanol	9.75	
Cyclohexanone	9.14	
Cyclohexene	8.95	
Cyclo-octatetraene	7.99	
Cyclopentadiene	8.56	
Cyclopentane	10.53	
Cyclopentanone	9.26	
Cyclopentene	9.01	

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Cyclopropane	10.06	
m-Chlorotoluene	8.83	
o-Chlorotoluene	8.83	
p-Chlorotoluene	8.7	
D		
1,1-Dibromoethane	10.19	
1,1-Dichloroethane	11.12	X
1,1-Dimethoxyethane	9.65	
1,1-Dimethylhydrazine	7.28	
1,2-Dibromoethene	9.45	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	12.2	X
1,2-Dichloroethane	11.12	X
1,2-Dichloropropane	10.87	X
1,3-Dibromopropane	10.07	
1,3-Dichloropropane	10.85	X
2,2-Dimethyl butane	10.06	
2,2-Dimethyl propane	10.35	
2,3-Dichloropropene	9.82	
2,3-Dimethyl butane	10.02	
3,3-Dimethyl butanone	9.17	
cis-Dichloroethene	9.65	
Decaborane	9.88	
Diazomethane	9	
Diborane	12	X
Dibromochloromethane	10.59	
Dibromodifluoromethane	11.07	X
Dibromomethane	10.49	
Dibutylamine	7.69	
Dichlorodifluoromethane (Freon 12)	12.31	X
Dichlorofluoromethane	12.39	X
Dichloromethane	11.35	X
Diethoxymethane	9.7	
Diethyl amine	8.01	
Diethyl ether	9.53	
Diethyl ketone	9.32	
Diethyl sulfide	8.43	
Diethyl sulfite	9.68	
Difluorodibromomethane	11.07	X

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Dihydropyran	8.34	
Diiodomethane	9.34	
Diisopropylamine	7.73	
Dimethoxymethane (methylal)	10	
Dimethyl amine	8.24	
Dimethyl ether	10	
Dimethyl sulfide	8.69	
Dimethylaniline	7.13	
Dimethylformamide	9.18	
Dimethylphthalate	9.64	
Dinitrobenzene	10.71	X
Dioxane	9.19	
Diphenyl	7.95	
Dipropyl amine	7.84	
Dipropyl sulfide	8.3	
Durene	8.03	
m-Dichlorobenzene	9.12	
N,N-Diethyl acetamide	8.6	
N,N-Diethyl formamide	8.89	
N,N-Dimethyl acetamide	8.81	
N,N-Dimethyl formamide	9.12	
o-Dichlorobenzene	9.06	
p-Dichlorobenzene	8.95	
p-Dioxane	9.13	
trans-Dichloroethene	9.66	
E		
Epichlorohydrin	10.2	
Ethane	11.65	X
Ethanethiol (ethyl mercaptan)	9.29	
Ethanolamine	8.96	
Ethene	10.52	
Ethyl acetate	10.11	
Ethyl alcohol	10.48	
Ethyl amine	8.86	
Ethyl benzene	8.76	
Ethyl bromide	10.29	
Ethyl chloride (chloroethane)	10.98	X
Ethyl disulfide	8.27	

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Ethyl ether	9.51	
Ethyl formate	10.61	X
Ethyl iodide	9.33	
Ethyl isothiocyanate	9.14	
Ethyl mercaptan	9.29	
Ethyl methyl sulfide	8.55	
Ethyl nitrate	11.22	X
Ethyl propionate	10	
Ethyl thiocyanate	9.89	
Ethylene chlorohydrin	10.52	
Ethylene diamine	8.6	
Ethylene dibromide	10.37	
Ethylene dichloride	11.05	X
Ethylene oxide	10.57	
Ethylenelmine	9.2	
Ethynylbenzene	8.82	
F		
2-Furaldehyde	9.21	
Fluorine	15.7	X
Fluorobenzene	9.2	
Formaldehyde	10.87	X
Formamide	10.25	
Formic acid	11.05	X
Freon 11 (trichlorofluoromethane)	11.77	X
Freon 112 (1,1,2,2-tetrachloro-1,2-difluoroethane)	11.3	X
Freon 113 (1,1,2-trichloro-1,2,2-trifluororethane)	11.78	X
Freon 114 (1,2-dichloro-1,1,2,2-tetrafluoroethane)	12.2	X
Freon 12 (dichlorodifluoromethane)	12.31	X
Freon 13 (chlorotrifluoromethane)	12.91	X
Freon 22 (chlorofluoromethane)	12.45	X
Furan	8.89	
Furfural	9.21	
m-Fluorotoluene	8.92	
o-Fluorophenol	8.66	
o-Fluorotoluene	8.92	
p-Fluorotoluene	8.79	
H		
1-Hexene	9.46	

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
2-Heptanone	9.33	
2-Hexanone	9.35	
Heptane	10.08	
Hexachloroethane	11.1	X
Hexane	10.18	
Hydrazine	8.1	
Hydrogen	15.43	X
Hydrogen bromide	11.62	X
Hydrogen chloride	12.74	X
Hydrogen cyanide	13.91	X
Hydrogen fluoride	15.77	X
Hydrogen iodide	10.38	
Hydrogen selenide	9.88	
Hydrogen sulfide	10.46	
Hydrogen telluride	9.14	
Hydroquinone	7.95	
I		
1-Iodo-2-methylpropane	9.18	
1-Iodobutane	9.21	
1-Iodopentane	9.19	
1-Iodopropane	9.26	
2-Iodobutane	9.09	
2-Iodopropane	9.17	
Iodine	9.28	
Iodobenzene	8.73	
Isobutane	10.57	
Isobutyl acetate	9.97	
Isobutyl alcohol	10.12	
Isobutyl amine	8.7	
Isobutyl formate	10.46	
Isobutyraldehyde	9.74	
Isobutyric acid	10.02	
Isopentane	10.32	
Isophorone	9.07	
Isoprene	8.85	
Isopropyl acetate	9.99	
Isopropyl alcohol	10.16	
Isopropyl amine	8.72	

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Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Isopropyl benzene	8.69	
Isopropyl ether	9.2	
Isovaleraldehyde	9.71	
m-Iodotoluene	8.61	
o-Iodotoluene	8.62	
p-Iodotoluene	8.5	
K		
Ketene	9.61	
L		
2,3-Lutidine	8.85	
2,4-Lutidine	8.85	
2,6-Lutidine	8.85	
M		
2-Methyl furan	8.39	
2-Methyl napthalene	7.96	
1-Methyl napthalene	7.96	
2-Methyl propene	9.23	
2-Methyl-1-butene	9.12	
2-Methylpentane	10.12	
3-Methyl-1-butene	9.51	
3-Methyl-2-butene	8.67	
3-Methylpentane	10.08	
4-Methylcyclohexene	8.91	
Maleic anhydride	10.8	X
Mesityl oxide	9.08	
Mesitylene	8.4	
Methane	12.98	X
Methanethiol (methyl mercaptan)	9.44	
Methyl acetate	10.27	
Methyl acetylene	10.37	
Methyl acrylate	9.9	
Methyl alcohol	10.85	X
Methyl amine	8.97	
Methyl bromide	10.54	
Methyl butyl ketone	9.34	
Methyl butyrate	10.07	
Methyl cellosolve	9.6	
Methyl chloride	11.28	X

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Methyl chloroform (1,1,1-trichloroethane)	11	X
Methyl disulfide	8.46	
Methyl ethyl ketone	9.53	
Methyl formate	10.82	X
Methyl iodide	9.54	
Methyl isobutyl ketone	9.3	
Methyl isobutyrate	9.98	
Methyl isocyanate	10.67	X
Methyl isopropyl ketone	9.32	
Methyl isothiocyanate	9.25	
Methyl mercaptan	9.44	
Methyl methacrylate	9.7	
Methyl propionate	10.15	
Methyl propyl ketone	9.39	
α -Methyl styrene	8.35	
Methyl thiocyanate	10.07	
Methylal (dimethoxymethane)	10	
Methylcyclohexane	9.85	
Methylene chloride	11.32	X
Methyl-n-amyl ketone	9.3	
Monomethyl aniline	7.32	
Monomethyl hydrazine	7.67	
Morpholine	8.2	
n-Methyl acetamide	8.9	
N		
1-Nitropropane	10.88	X
2-Nitropropane	10.71	X
Naphthalene	8.12	
Nickel carbonyl	8.27	
Nitric oxide, (NO)	9.25	
Nitrobenzene	9.92	
Nitroethane	10.88	X
Nitrogen	15.58	X
Nitrogen dioxide	9.78	
Nitrogen trifluoride	12.97	X
Nitromethane	11.08	X
Nitrotoluene	9.45	
p-Nitrochloro benzene	9.96	

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SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
O		
Octane	9.82	
Oxygen	12.08	X
Ozone	12.08	X
P		
1-Pentene	9.5	
1-Propanethiol	9.2	
2,4-Pentanedione	8.87	
2-Pentanone	9.38	
2-Picoline	9.02	
3-Picoline	9.02	
4-Picoline	9.04	
n-Propyl nitrate	11.07	X
Pentaborane	10.4	
Pentane	10.35	
Perchloroethylene	9.32	
Pheneloic	8.18	
Phenol	8.5	
Phenyl ether (diphenyl oxide)	8.82	
Phenyl hydrazine	7.64	
Phenyl isocyanate	8.77	
Phenyl isothiocyanate	8.52	
Phenylene diamine	6.89	
Phosgene	11.77	X
Phosphine	9.87	
Phosphorus trichloride	9.91	
Phthalic anhydride	10	
Propane	11.07	X
Propargyl alcohol	10.51	
Propiolactone	9.7	
Propionaldehyde	9.98	
Propionic acid	10.24	
Propionitrile	11.84	X
Propyl acetate	10.04	
Propyl alcohol	10.2	
Propyl amine	8.78	
Propyl benzene	8.72	
Propyl ether	9.27	

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Propyl formate	10.54	
Propylene	9.73	
Propylene dichloride	10.87	X
Propylene imine	9	
Propylene oxide	10.22	
Propyne	10.36	
Pyridine	9.32	
Pyrrole	8.2	
Q		
Quinone	10.04	
S		
Stibine	9.51	
Styrene	8.47	
Sulfur dioxide	12.3	X
Sulfur hexafluoride	15.33	X
Sulfur monochloride	9.66	
Sulfuryl fluoride	13	X
T		
o-Terphenyls	7.78	
1,1,2,2-Tetrachloro-1,2-difluoroethane (Freon 112)	11.3	X
1,1,1-Trichloroethane	11	X
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.78	X
2,2,4-Trimethyl pentane	9.86	
o-Toluidine	7.44	
Tetrachloroethane	11.62	X
Tetrachloroethene	9.32	
Tetrachloromethane	11.47	X
Tetrahydrofuran	9.54	
Tetrahydropyran	9.25	
Thiolacetic acid	10	
Thiophene	8.86	
Toluene	8.82	
Tribromoethene	9.27	
Tribromofluoromethane	10.67	X
Tribromomethane	10.51	
Trichloroethene	9.45	
Trichloroethylene	9.47	
Trichlorofluoromethane (Freon 11)	11.77	X

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Trichloromethane	11.42	X
Triethylamine	7.5	
Trifluoromonobromo-methane	11.4	X
Trimethyl amine	7.82	
Tripropyl amine	7.23	
V		
o-Vinyl toluene	8.2	
Valeraldehyde	9.82	
Valeric acid	10.12	
Vinyl acetate	9.19	
Vinyl bromide	9.8	
Vinyl chloride	10	
Vinyl methyl ether	8.93	
W		
Water	12.59	X
X		
2,4-Xylidine	7.65	
m-Xylene	8.56	
o-Xylene	8.56	
p-Xylene	8.45	

FOP 011.0

CALIBRATION AND MAINTENANCE OF PORTABLE PHOTOIONIZATION DETECTOR

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: Date:

Project No.:

Client: Instrument Source: ☐ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☐ pH meter	units		Myron L Company Ultra Meter 6P	606987		4.00 7.00 10.01		
☐ Turbidity meter	NTU		Hach 2100P Turbidimeter	9706000145		< 0.4 00 800		
☐ Sp. Cond. meter	uS mS		Myron L Company Ultra Meter 6P			_____ mS @ 25 °C		
☐ PID	ppm		MinRAE 20			open air zero _____ ppm Iso. Gas		MIBK response factor = 1.0
☐ Dissolved Oxygen	ppm		YSI Model 5					
☐ Particulate meter	mg/m^3					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/H					background area		
☐								

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

Correction Factors, Ionization Energies*, And Calibration Characteristics

Correction Factors and Ionization Energies

RAE Systems PIDs can be used for the detection of a wide variety of gases that exhibit different responses. In general, any compound with ionization energy (IE) lower than that of the lamp photons can be measured.* The best way to calibrate a PID to different compounds is to use a standard of the gas of interest. However, correction factors have been determined that enable the user to quantify a large number of chemicals using only a single calibration gas, typically isobutylene. In our PIDs, correction factors can be used in one of three ways:

1) Calibrate the monitor with isobutylene in the usual fashion to read in isobutylene equivalents. Manually multiply the reading by the correction factor (CF) to obtain the concentration of the gas being measured.

2) Calibrate the unit with isobutylene in the usual fashion to read in isobutylene equivalents. Call up the correction factor from the instrument memory or download it from a personal computer and then call it up. The monitor will then read directly in units of the gas of interest.

3) Calibrate the unit with isobutylene, but input an equivalent, "corrected" span gas concentration when prompted for this value. The unit will then read directly in units of the gas of interest.

* *The term "ionization energy" is more scientifically correct and replaces the old term "ionization potential." High-boiling ("heavy") compounds may not vaporize enough to give a response even when their ionization energies are below the lamp photon energy. Some inorganic compounds like H_2O_2 and NO_2 give weak response even when their ionization energies are well below the lamp photon energy.*

Example 1:
With the unit calibrated to read isobutylene equivalents, the reading is 10 ppm with a 10.6 eV lamp. The gas being measured is butyl acetate, which has a correction factor of 2.6. Multiplying 10 by 2.6 gives an adjusted butyl acetate value of 26 ppm. Similarly, if the gas being measured were trichloroethylene (CF = 0.54), the adjusted value with a 10 ppm reading would be 5.4 ppm.

Example 2:
With the unit calibrated to read isobutylene equivalents, the reading is 100 ppm with a 10.6 eV lamp. The gas measured is m-xylene (CF = 0.43). After downloading this factor, the unit should read about 43 ppm when exposed to the same gas, and thus read directly in m-xylene values.

Example 3:
The desired gas to measure is ethylene dichloride (EDC). The CF is 0.6 with an 11.7 eV lamp. During calibration with 100 ppm isobutylene, insert 0.6 times 100, or 60 at the prompt for the calibration gas concentration. The unit then reads directly in EDC values.

Conversion to mg/m^3

To convert from ppm to mg/m^3, use the following formula:

$$\text{Conc. (mg/m}^3\text{)} = \frac{\text{[Conc.(ppmv) x mol. wt. (g/mole)]}}{\text{molar gas volume (L)}}$$

For air at 25 °C (77 °F), the molar gas volume is 24.4 L/mole and the formula reduces to:

$$\text{Conc.(mg/m}^3\text{)} = \text{Conc.(ppmv) x mol. wt. (g/mole) x } 0.041$$

For example, if the instrument is calibrated with a gas standard in ppmv, such as 100 ppm isobutylene, and the user wants the display to read in mg/m^3 of hexane, whose m.w. is 86 and CF is 4.3, the overall correction factor would be 4.3 x 86 x 0.041 equals 15.2.

Correction Factors for Mixtures

The correction factor for a mixture is calculated from the sum of the mole fractions Xi of each component divided by their respective correction factors CFi:

$$CFmix = 1 / (X_1/CF_1 + X_2/CF_2 + X_3/CF_3 + \ldots Xi/CFi)$$

Thus, for example, a vapor phase mixture of 5% benzene and 95% n-hexane would have a CFmix of CFmix = 1 / (0.05/0.53 + 0.95/4.3) = 3.2. A reading of 100 would then correspond to 320 ppm of the total mixture, comprised of 16 ppm benzene and 304 ppm hexane.

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For a spreadsheet to compute the correction factor and TLV of a mixture see the appendix at the end of the CF table.

TLVs and Alarm Limits for Mixtures

The correction factor for mixtures can be used to set alarm limits for mixtures. To do this one first needs to calculate the exposure limit for the mixture. The Threshold Limit Value (TLV) often defines exposure limits. The TLV for the mixture is calculated in a manner similar to the CF calculation:

$$TLV\ mix = 1 / (X_1/TLV_1 + X_2/TLV_2 + X_3/TLV_3 + ... Xi/TLVi)$$

In the above example, the 8-h TLV for benzene is 0.5 ppm and for n-hexane 50 ppm. Therefore the TLV of the mixture is TLVmix = 1 / (0.05/0.5 + 0.95/50) = 8.4 ppm, corresponding to 8.0 ppm hexane and 0.4 ppm benzene. For an instrument calibrated on isobutylene, the reading corrsponding to the TLV is:

$$Alarm\ Reading = TLVmix / CFmix = 8.4 / 3.2 = 2.6\ ppm$$

A common practice is to set the lower alarm limit to half the TLV, and the higher limit to the TLV. Thus, one would set the alarms to 1.3 and 2.6 ppm, respectively.

Calibration Characteristics

a) Flow Configuration. PID response is essentially independent of gas flow rate as long as it is sufficient to satisfy the pump demand. Four main flow configurations are used for calibrating a PID:

1) **Pressurized gas cylinder (Fixed-flow regulator):** The flow rate of the regulator should match the flow demand of the instrument pump or be slightly higher.
2) **Pressurized gas cylinder (Demand-flow regulator):** A demand-flow regulator better matches pump speed differences, but results in a slight vacuum during calibration and thus slightly high readings.
3) **Collapsible gas bag:** The instrument will draw the calibration gas from the bag at its normal flow rate, as long as the bag valve is large enough. The bag should be filled with enough gas to allow at least one minute of flow (~ 0.6 L for a MiniRAE, ~0.3 L for MultiRAE).
4) **T (or open tube) method:** The T method uses a T-junction with gas flow higher than the pump draw. The gas supply is connected to one end of the T, the instrument inlet is connected to a second end of the T, and excess gas flow escapes through the third, open end of the T. To prevent ambient air mixing, a long tube should be connected to the open end, or a high excess rate should be used. Alternatively, the instrument probe can be inserted into an open tube slightly wider than the probe. Excess gas flows out around the probe.

The first two cylinder methods are the most efficient in terms of gas usage, while the bag and T methods give slightly more accurate results because they match the pump flow better.

b) Pressure. Pressures deviating from atmospheric pressure affect the readings by altering gas concentration and pump characteristics. It is best to calibrate with the instrument and calibration gas at the same pressure as each other and the sample gas. (Note that the cylinder pressure is not relevant because the regulator reduces the pressure to ambient.) If the instrument is calibrated at atmospheric pressure in one of the flow configurations described above, then 1) pressures slightly above ambient are acceptable but high pressures can damage the pump and 2) samples under vacuum may give low readings if air leaks into the sample train.

c) Temperature. Because temperature effects gas density and concentration, the temperature of the calibration gas and instrument should be as close as possible to the ambient temperature where the unit will be used. We recommend that the temperature of the calibration gas be within the instrument's temperature specification (typically 14° to 113° F or -10° to 45° C). Also, during actual measurements, the instrument should be kept at the same or higher temperature than the sample temperature to avoid condensation in the unit.

d) Matrix. The matrix gas of the calibration compound and VOC sample is significant. Some common matrix components, such as methane and water vapor can affect the VOC signal. PIDs are

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most commonly used for monitoring VOCs in air, in which case the preferred calibration gas matrix is air. For a MiniRAE, methane, methanol, and water vapor reduce the response by about 20% when their concentration is 15,000 ppm and by about 40% at 30,000 ppm. Despite earlier reports of oxygen effects, RAE PID responses with 10.6 eV lamps are independent of oxygen concentration, and calibration gases in a pure nitrogen matrix can be used. H_2 and CO_2 up to 5 volume % also have no effect.

e) Concentration. Although RAE Systems PIDs have electronically linearized output, it is best to calibrate in a concentration range close to the actual measurement range. For example, 100 ppm standard gas for anticipated vapors of 0 to 250 ppm, and 500 ppm standard for expected concentrations of 250 to 1000 ppm. The correction factors in this table were typically measured at 50 to 100 ppm and apply from the ppb range up to about 1000 ppm. Above 1000 ppm the CF may vary and it is best to calibrate with the gas of interest near the concentration of interest.

f) Filters. Filters affect flow and pressure conditions and therefore all filters to be used during sampling should also be in place during calibration. Using a water trap (hydrophobic filter) greatly reduces the chances of drawing water aerosols or dirt particles into the instrument. Regular filter replacements are recommended because dirty filters can adsorb VOCs and cause slower response time and shifts in calibration.

g) Instrument Design. High-boiling ("heavy") or very reactive compounds can be lost by reaction or adsorption onto materials in the gas sample train, such as filters, pumps and other sensors. Multi-gas meters, including EntryRAE, MultiRAE and AreaRAE have the pump and other sensors upstream of the PID and are prone to these losses. Compounds possibly affected by such losses are shown in green in the table, and may give slow response, or in extreme cases, no response at all. In many cases the multi-gas meters can still give a rough indication of the relative concentration, without giving an accurate, quantitative reading. The ppbRAE and MiniRAE series instruments have inert sample trains and therefore do not exhibit significant loss; nevertheless, response may be slow for the very heavy compounds and additional sampling time up to a minute or more should be allowed to get a stable reading.

Table Abbreviations:

CF = Correction Factor (multiply by reading to get corrected value for the compound when calibrated to isobutylene)
NR= No Response
IE = Ionization Energy (values in parentheses are not well established)
C = Confirmed Value indicated by "+" in this column; all others are preliminary or estimated values and are subject to change
ne = Not Established ACGIH 8-hr. TWA
C## = Ceiling value, given where 8-hr.TWA is not available

Disclaimer:

Actual readings may vary with age and cleanliness of lamp, relative humidity, and other factors. For accurate work, the instrument should be calibrated regularly under the operating conditions used. The factors in this table were measured in dry air at room temperature, typically at 50-100 ppm. CF values may vary above about 1000 ppm.

Updates:

The values in this table are subject to change as more or better data become available. Watch for updates of this table on the Internet at **http://www.raesystems.com**

IE data are taken from the CRC Handbook of Chemistry and Physics, 73rd Edition, D.R. Lide (Ed.), CRC Press (1993) and NIST Standard Ref. Database 19A, NIST Positive Ion Energetics, Vers. 2.0, Lias, et.al., U.S. Dept. Commerce (1993). Exposure limits (8-h TWA and Ceiling Values) are from the 2005 ACGIH Guide to Occupational Exposure Values, ACGIH, Cincinnati, OH 2005. Equations for exposure limits for mixtures of chemicals were taken from the 1997 TLVs and BEIs handbook published by the ACGIH (1997).

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Compound Name	Synonym/Abbreviation	CAS No.	Formula	9.8	C	10.6	C	11.7	C	IE (eV)	TWA
Acetaldehyde		75-07-0	C_2H_4O	NR	+	6	+	3.3	+	10.23	C25
Acetic acid	Ethanoic Acid	64-19-7	$C_2H_4O_2$	NR	+	22	+	2.6	+	10.66	10
Acetic anhydride	Ethanoic Acid Anhydride	108-24-7	$C_4H_6O_3$	NR	+	6.1	+	2.0	+	10.14	5
Acetone	2-Propanone	67-64-1	C_3H_6O	1.2	+	1.1	+	1.4	+	9.71	500
Acetone cyanohydrin	2-Hydroxyisobutyronitrile	75-86-5	C_4H_7NO					4	+	11.1	C5
Acetonitrile	Methyl cyanide, Cyanomethane	75-05-8	C_2H_3N					100		12.19	40
Acetylene	Ethyne	74-86-2	C_2H_2					2.1	+	11.40	ne
Acrolein	Propenal	107-02-8	C_3H_4O	42	+	3.9	+	1.4	+	10.10	0.1
Acrylic acid	Propenoic Acid	79-10-7	$C_3H_4O_2$			12	+	2.0	+	10.60	2
Acrylonitrile	Propenenitrile	107-13-1	C_3H_3N			NR	+	1.2	+	10.91	2
Allyl alcohol		107-18-6	C_3H_6O	4.5	+	2.4	+	1.6	+	9.67	2
Allyl chloride	3-Chloropropene	107-05-1	C_3H_5Cl			4.3		0.7		9.9	1
Ammonia		7664-41-7	H_3N	NR	+	9.7	+	5.7	+	10.16	25
Amyl acetate	mix of n-Pentyl acetate & 2-Methylbutyl acetate	628-63-7	$C_7H_{14}O_2$	11	+	2.3	+	0.95	+	<9.9	100
Amyl alcohol	1-Pentanol	75-85-4	$C_5H_{12}O$			5		1.6		10.00	ne
Aniline	Aminobenzene	62-53-3	C_7H_7N	0.50	+	0.48	+	0.47	+	7.72	2
Anisole	Methoxybenzene	100-66-3	C_7H_8O	0.89	+	0.58	+	0.56	+	8.21	ne
Arsine	Arsenic trihydride	7784-42-1	AsH_3			1.9	+			9.89	0.05
Benzaldehyde		100-52-7	C_7H_6O					1		9.49	ne
Benzenamine, N-methyl-	N-Methylphenylamine	100-61-8	C_7H_9N			0.7				7.53	
Benzene		71-43-2	C_6H_6	0.55	+	0.53	+	0.6	+	9.25	0.5
Benzonitrile	Cyanobenzene	100-47-0	C_7H_5N			1.6				9.62	ne
Benzyl alcohol	α-Hydroxytoluene, Hydroxymethylbenzene, Benzenemethanol	100-51-6	C_7H_8O	1.4	+	1.1	+	0.9	+	8.26	ne
Benzyl chloride	α-Chlorotoluene, Chloromethylbenzene	100-44-7	C_7H_7Cl	0.7	+	0.6	+	0.5	+	9.14	1
Benzyl formate	Formic acid benzyl ester	104-57-4	$C_8H_8O_2$	0.9	+	0.73	+	0.66	+		ne
Boron trifluoride		7637-07-2	BF_3	NR		NR		NR		15.5	C1
Bromine		7726-95-6	Br_2	NR	+	1.30	+	0.74	+	10.51	0.1
Bromobenzene		108-86-1	C_6H_5Br			0.6		0.5		8.98	ne
2-Bromoethyl methyl ether		6482-24-2	C_3H_7OBr			0.84	+			~10	ne
Bromoform	Tribromomethane	75-25-2	$CHBr_3$	NR	+	2.5	+	0.5	+	10.48	0.5
Bromopropane,1-	n-Propyl bromide	106-94-5	C_3H_7Br	150	+	1.5	+	0.6	+	10.18	ne
Butadiene	1,3-Butadiene, Vinyl ethylene	106-99-0	C_4H_6	0.8		0.85	+	1.1		9.07	2
Butadiene diepoxide, 1,3-	1,2,3,4-Diepoxybutane	298-18-0	$C_4H_6O_2$	25	+	3.5	+	1.2		~10	ne
Butanal	1-Butanal	123-72-8	C_4H_8O			1.8				9.84	
Butane		106-97-8	C_4H_{10}			67	+	1.2		10.53	800
Butanol, 1-	Butyl alcohol, n-Butanol	71-36-3	$C_4H_{10}O$	70	+	4.7	+	1.4	+	9.99	20
Butanol, t-	tert-Butanol, t-Butyl alcohol	75-65-0	$C_4H_{10}O$	6.9	+	2.9	+			9.90	100
Butene, 1-	1-Butylene	106-98-9	C_4H_8			0.9				9.58	ne
Butoxyethanol, 2-	Butyl Cellosolve, Ethylene glycol monobutyl ether	111-76-2	$C_6H_{14}O_2$	1.8	+	1.2	+	0.6	+	<10	25
Butoxyethanol acetate	Ethanol, 2-(2-butoxyethoxy)-, acetate	124-17-4	$C_{10}H_{20}O_4$			5.6				≤10.6	
Butoxyethoxyethanol	2-(2-Butoxyethoxy)ethanol	112-34-5	$C_8H_{18}O_3$			4.6				≤10.6	
Butyl acetate, n-		123-86-4	$C_6H_{12}O_2$			2.6	+			10	150
Butyl acrylate, n-	Butyl 2-propenoate, Acrylic acid butyl ester	141-32-2	$C_7H_{12}O_2$			1.6	+	0.6	+		10
Butylamine, n-		109-73-9	$C_4H_{11}N$	1.1	+	1.1	+	0.7	+	8.71	C5
Butyl cellosolve	see 2-Butoxyethanol	111-76-2									
Butyl hydroperoxide, t-		75-91-2	$C_4H_{10}O_2$	2.0	+	1.6	+			<10	1
Butyl mercaptan	1-Butanethiol	109-79-5	$C_4H_{10}S$	0.55	+	0.52	+			9.14	0.5
Carbon disulfide		75-15-0	CS_2	4	+	1.2	+	0.44		10.07	10
Carbon tetrachloride	Tetrachloromethane	56-23-5	CCl_4	NR	+	NR	+	1.7	+	11.47	5
Carbonyl sulfide	Carbon oxysulfide	463-58-1	COS							11.18	

Cellosolve see 2-Ethoxyethanol
CFC-14 see Tetrafluoromethane
CFC-113 see 1,1,2-Trichloro-1,2,2-trifluoroethane

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Compound Name	Synonym/Abbreviation	CAS No.	Formula	9.8	C	10.6	C	11.7	C	IE (eV)	TWA
Chlorine		7782-50-5	Cl_2					1.0	+	11.48	0.5
Chlorine dioxide		10049-04-4	ClO_2	NR	+	NR	+	NR	+	10.57	0.1
Chlorobenzene	Monochlorobenzene	108-90-7	C_6H_5Cl	0.44	+	0.40	+	0.39	+	9.06	10
Chlorobenzotrifluoride, 4-	PCBTF, OXSOL 100 p-Chlorobenzotrifluoride	98-56-6	$C_7H_4ClF_3$	0.74	+	0.63	+	0.55	+	<9.6	25
Chloro-1,3-butadiene, 2-	Chloroprene	126-99-8	C_4H_5Cl			3					10
Chloro-1,1-difluoroethane, 1-	HCFC-142B, R-142B	75-68-3	$C_2H_3ClF_2$	NR		NR		NR		12.0	ne
Chlorodifluoromethane	HCFC-22, R-22	75-45-6	$CHClF_2$	NR		NR		NR		12.2	1000
Chloroethane	Ethyl chloride	75-00-3	C_2H_5Cl	NR	+	NR	+	1.1	+	10.97	100
Chloroethanol	Ethylene chlrohydrin	107-07-3	C_2H_5ClO					2.9		10.52	C1
Chloroethyl ether, 2-	bis(2-chloroethyl) ether	111-44-4	$C_4H_8Cl_2O$	8.6	+	3.0	+				5
Chloroethyl methyl ether, 2-	Methyl 2-chloroethyl ether	627-42-9	C_3H_7ClO			3					ne
Chloroform	Trichloromethane	67-66-3	$CHCl_3$	NR	+	NR	+	3.5	+	11.37	10
Chloro-2-methylpropene, 3-	Methallyl chloride, Isobutenyl chloride	563-47-3	C_4H_7Cl	1.4	+	1.2	+	0.63	+	9.76	ne
Chloropicrin		76-06-2	CCl_3NO_2	NR	+	~400	+	7	+	?	0.1
Chlorotoluene, o-	o-Chloromethylbenzene	95-49-8	C_7H_7Cl			0.5		0.6		8.83	50
Chlorotoluene, p-	p-Chloromethylbenzene	106-43-4	C_7H_7Cl					0.6		8.69	ne
Chlorotrifluoroethene	CTFE, Chlorotrifluoroethylene Genetron 1113	79-38-9	C_2ClF_3	6.7	+	3.9	+	1.2	+	9.76	5
Chlorotrimethylsilane		75-77-4	C_3H_9ClSi	NR		NR		0.82	+	10.83	ne
Cresol, m-	m-Hydroxytoluene	108-39-4	C_7H_8O	0.57	+	0.50	+	0.57	+	8.29	5
Cresol, o-	o-Hydroxytoluene	95-48-7	C_7H_8O			1.0				8.50	
Cresol, p-	p-Hydroxytoluene	106-44-5	C_7H_8O			1.4				8.35	
Crotonaldehyde	*trans*-2-Butenal	123-73-9 4170-30-3	C_4H_6O	1.5	+	1.1	+	1.0	+	9.73	2
Cumene	Isopropylbenzene	98-82-8	C_9H_{12}	0.58	+	0.54	+	0.4	+	8.73	50
Cyanogen bromide		506-68-3	CNBr	NR		NR		NR		11.84	ne
Cyanogen chloride		506-77-4	CNCl	NR		NR		NR		12.34	C0.3
Cyclohexane		110-82-7	C_6H_{12}	3.3	+	1.4	+	0.64	+	9.86	300
Cyclohexanol	Cyclohexyl alcohol	108-93-0	$C_6H_{12}O$	1.5	+	0.9	+	1.1	+	9.75	50
Cyclohexanone		108-94-1	$C_6H_{10}O$	1.0	+	0.9	+	0.7	+	9.14	25
Cyclohexene		110-83-8	C_6H_{10}			0.8	+			8.95	300
Cyclohexylamine		108-91-8	$C_6H_{13}N$			1.2				8.62	10
Cyclopentane 85% 2,2-dimethylbutane 15%		287-92-3	C_5H_{10}	NR	+	15	+	1.1		10.33	600
Cyclopropylamine	Aminocyclpropane	765-30-0	C_3H_7N	1.1	+	0.9	+	0.9	+		ne
Decamethylcyclopentasiloxane		541-02-6	$C_{10}H_{30}O_5Si_5$	0.16	+	0.13	+	0.12	+		ne
Decamethyltetrasiloxane		141-62-8	$C_{10}H_{30}O_3Si_4$	0.17	+	0.13	+	0.12	+	<10.2	ne
Decane		124-18-5	$C_{10}H_{22}$	4.0	+	1.4	+	0.35	+	9.65	ne
Diacetone alcohol	4-Methyl-4-hydroxy-2-pentanone	123-42-2	$C_6H_{12}O_2$			0.7					50
Dibromochloromethane	Chlorodibromomethane	124-48-1	$CHBr_2Cl$	NR	+	5.3	+	0.7	+	10.59	ne
Dibromo-3-chloropropane, 1,2-	DBCP	96-12-8	$C_3H_5Br_2Cl$	NR	+	1.7	+	0.43	+		0.001
Dibromoethane, 1,2-	EDB, Ethylene dibromide, Ethylene bromide	106-93-4	$C_2H_4Br_2$	NR	+	1.7	+	0.6	+	10.37	ne
Dichlorobenzene, o-	1,2-Dichlorobenzene	95-50-1	$C_6H_4Cl_2$	0.54	+	0.47	+	0.38	+	9.08	25
Dichlorodifluoromethane	CFC-12	75-71-8	CCl_2F_2			NR	+	NR	+	11.75	1000
Dichlorodimethylsilane		75-78-5	$C_2H_6Cl_2Si$	NR		NR		1.1	+	>10.7	ne
Dichloroethane, 1,2-	EDC, 1,2-DCA, Ethylene dichloride	107-06-2	$C_2H_4Cl_2$			NR	+	0.6	+	11.04	10
Dichloroethene, 1,1-	1,1-DCE, Vinylidene chloride	75-35-4	$C_2H_2Cl_2$			0.82	+	0.8	+	9.79	5
Dichloroethene, c-1,2-	*c*-1,2-DCE, *cis*-Dichloroethylene	156-59-2	$C_2H_2Cl_2$			0.8				9.66	200
Dichloroethene, t-1,2-	*t*-1,2-DCE, *trans*-Dichloroethylene	156-60-5	$C_2H_2Cl_2$			0.45	+	0.34	+	9.65	200
Dichloro-1-fluoroethane, 1,1-	R-141B	1717-00-6	$C_2H_3Cl_2F$	NR	+	NR	+	2.0	+		ne
Dichloromethane	see Methylene chloride										

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Compound Name	Synonym/Abbreviation	CAS No.	Formula	9.8	C	10.6	C	11.7	C	IE (eV)	TWA
Dichloropentafluoropropane	AK-225, mix of ~45% 3,3-dichloro-1,1,1,2,2-pentafluoro-propane (HCFC-225ca) & ~55% 1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	442-56-0 507-55-1	$C_3HCl_2F_5$	NR	+	NR	+	25	+		ne
Dichloropropane, 1,2-		78-87-5	$C_3H_6Cl_2$					0.7		10.87	75
Dichloro-1-propene, 1,3-		542-75-6	$C_3H_4C_{12}$	1.3	+	0.96	+			<10	1
Dichloro-1-propene, 2,3-		78-88-6	$C_3H_4Cl_2$	1.9	+	1.3	+	0.7	+	<10	ne
Dichloro-1,1,1-trifluoroethane, 2,2-	R-123	306-83-2	$C_2HCl_2F_3$	NR	+	NR	+	10.1	+	11.5	ne
Dichloro-2,4,6-trifluoropyridine, 3,5-	DCTFP	1737-93-5	$C_5Cl_2F_3N$	1.1	+	0.9	+	0.8	+		ne
Dichlorvos *	Vapona; O,O-dimethyl O-dichlorovinyl phosphate	62-73-7	$C_4H_7Cl_2O_4P$			0.9	+			<9.4	0.1
Dicyclopentadiene	DCPD, Cyclopentadiene dimer	77-73-6	$C_{10}H_{12}$	0.57	+	0.48	+	0.43	+	8.8	5
Diesel Fuel		68334-30-5	m.w. 226			0.9	+				11
Diesel Fuel #2 (Automotive)		68334-30-5	m.w. 216	1.3		0.7	+	0.4	+		11
Diethylamine		109-89-7	$C_4H_{11}N$			1	+			8.01	5
Diethylaminopropylamine, 3-		104-78-9	$C_7H_{18}N_2$			1.3					ne
Diethylbenzene	See Dowtherm J										
Diethylmaleate		141-05-9	$C_8H_{12}O_4$			4					ne
Diethyl sulfide	see Ethyl sulfide										
Diglyme	See Methoxyethyl ether	111-96-6	$C_6H_{14}O_3$								
Diisobutyl ketone	DIBK, 2,2-dimethyl-4-heptanone	108-83-8	$C_9H_{18}O$	0.71	+	0.61	+	0.35	+	9.04	25
Diisopropylamine		108-18-9	$C_6H_{15}N$	0.84	+	0.74	+	0.5	+	7.73	5
Diketene	Ketene dimer	674-82-8	$C_4H_4O_2$	2.6	+	2.0	+	1.4	+	9.6	0.5
Dimethylacetamide, N,N-	DMA	127-19-5	C_4H_9NO	0.87	+	0.8	+	0.8	+	8.81	10
Dimethylamine		124-40-3	C_2H_7N			1.5				8.23	5
Dimethyl carbonate	Carbonic acid dimethyl ester	616-38-6	$C_3H_6O_3$	NR	+	~70	+	1.7	+	~10.5	ne
Dimethyl disulfide	DMDS	624-92-0	$C_2H_6S_2$	0.2	+	0.20	+	0.21	+	7.4	ne
Dimethyl ether	see Methyl ether										
Dimethylethylamine	DMEA	598-56-1	$C_4H_{11}N$	1.1	+	1.0	+	0.9	+	7.74	~3
Dimethylformamide, N,N-	DMF	68-12-2	C_3H_7NO	0.7	+	0.7	+	0.8	+	9.13	10
Dimethylhydrazine, 1,1-	UDMH	57-14-7	$C_2H_8N_2$			0.8	+	0.8	+	7.28	0.01
Dimethyl methylphosphonate	DMMP, methyl phosphonic acid dimethyl ester	756-79-6	$C_3H_9O_3P$	NR	+	4.3	+	0.74	+	10.0	ne
Dimethyl sulfate		77-78-1	$C_2H_6O_4S$	~23		~20	+	2.3	+		0.1
Dimethyl sulfide	see Methyl sulfide										
Dimethyl sulfoxide	DMSO, Methyl sulfoxide	67-68-5	C_2H_6OS			1.4	+			9.10	ne
Dioxane, 1,4-		123-91-1	$C_4H_8O_2$			1.3				9.19	25
Dioxolane, 1,3-	Ethylene glycol formal	646-06-0	$C_3H_6O_2$	4.0	+	2.3	+	1.6	+	9.9	20
Dowtherm A see Therminol® *											
Dowtherm J (97% Diethylbenzene) *		25340-17-4	$C_{10}H_{14}$			0.5					
DS-108F Wipe Solvent	Ethyl lactate/Isopar H/ Propoxypropanol ~7:2:1	97-64-3 64742-48-9 1569-01-3	m.w. 118	3.3	+	1.6	+	0.7	+		ne
Epichlorohydrin	ECH Chloromethyloxirane, 1-chloro2,3-epoxypropane	106-89-8	C_2H_5ClO	~200	+	8.5	+	1.4	+	10.2	0.5
Ethane		74-84-0	C_2H_6			NR	+	15	+	11.52	ne
Ethanol	Ethyl alcohol	64-17-5	C_2H_6O			10	+	3.1	+	10.47	1000
Ethanolamine *	MEA, Monoethanolamine	141-43-5	C_2H_7NO	5.6	+	1.6	+			8.96	3
Ethene	Ethylene	74-85-1	C_2H_4			9	+	4.5	+	10.51	ne
Ethoxyethanol, 2-	Ethyl cellosolve	110-80-5	$C_4H_{10}O_2$			1.3				9.6	5
Ethyl acetate		141-78-6	$C_4H_8O_2$			4.6	+	3.5		10.01	400
Ethyl acetoacetate		141-97-9	$C_6H_{10}O_3$	1.4	+	1.2	+	1.0	+	<10	ne
Ethyl acrylate		140-88-5	$C_5H_8O_2$			2.4	+	1.0	+	<10.3	5
Ethylamine		75-04-7	C_2H_7N			0.8				8.86	5

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Compound Name	Synonym/Abbreviation	CAS No.	Formula	9.8	C	10.6	C	11.7	C	IE (Ev)	TWA
Ethylbenzene		100-41-4	C_8H_{10}	0.52	+	0.52	+	0.51	+	8.77	100
Ethyl caprylate	Ethyl octanoate	106-32-1	$C_{10}H_{20}O_2$		+	0.52	+	0.51	+		
Ethylenediamine	1,2-Ethanediamine; 1,2-Diaminoethane	107-15-3	$C_2H_8N_2$	0.9	+	0.8	+	1.0	+	8.6	10
Ethylene glycol *	1,2-Ethanediol	107-21-1	$C_2H_6O_2$			16	+	6	+	10.16	C100
Ethylene glycol, Acrylate	2-hydroxyethyl Acrylate	818-61-1	$C_5H_8O_3$			8.2				≤10.6	
Ethylene glycol dimethyl ether	1,2-Dimethoxyethane, Monoglyme	110-71-4	$C_4H_{10}O_2$	1.1		0.86		0.7		9.2	ne
Ethylene glycol monobutyl ether acetate	2-Butoxyethyl acetate	112-07-2	$C_8H_{16}O_3$			1.3				≤10.6	
Ethylene glycol, monothio	mercapto-2-ethanol	60-24-2	C_2H_6OS			1.5				9.65	
Ethylene oxide	Oxirane, Epoxyethane	75-21-8	C_2H_4O			13	+	3.5	+	10.57	1
Ethyl ether	Diethyl ether	60-29-7	$C_4H_{10}O$			1.1	+	1.7		9.51	400
Ethyl 3-ethoxypropionate	EEP	763-69-9	$C_7H_{14}O_3$	1.2	+	0.75	+				ne
Ethyl formate		109-94-4	$C_3H_6O_2$					1.9		10.61	100
Ethylhexyl acrylate, 2-	Acrylic acid 2-ethylhexyl ester	103-11-7	$C_{11}H_{20}O_2$			1.1	+	0.5	+		ne
Ethylhexanol	2-Ethyl-1-hexanol	104-76-7	$C8H_{18}O$			1.9				≤10.6	
Ethylidenenorbornene	5-Ethylidene bicyclo(2,2,1)hept-2-ene	16219-75-3	C_9H_{12}	0.4	+	0.39	+	0.34	+	≤8.8	ne
Ethyl (S)-(-)-lactate see also DS-108F	Ethyl lactate, Ethyl (S)-(-)-hydroxypropionate	687-47-8 97-64-3	$C_5H_{10}O_3$	13	+	3.2	+	1.6	+	~10	ne
Ethyl mercaptan	Ethanethiol	75-08-1	C_2H_6S	0.60	+	0.56	+			9.29	0.5
Ethyl sulfide	Diethyl sulfide	352-93-2	$C_4H_{10}S$			0.5	+			8.43	ne
Formaldehyde	Formalin	50-00-0	CH_2O	NR	+	NR	+	1.6	+	10.87	C0.3
Formamide		75-12-7	CH_3NO			6.9	+	4		10.16	10
Formic acid		64-18-6	CH_2O_2	NR	+	NR	+	9	+	11.33	5
Furfural	2-Furaldehyde	98-01-1	$C_5H_4O_2$			0.92	+	0.8	+	9.21	2
Furfuryl alcohol		98-00-0	$C_5H_6O_2$			0.80	+			<9.5	10
Gasoline #1		8006-61-9	m.w. 72			0.9	+				300
Gasoline #2, 92 octane		8006-61-9	m.w. 93	1.3	+	1.0	+	0.5	+		300
Glutaraldehyde	1,5-Pentanedial, Glutaric dialdehyde	111-30-8	$C_5H_8O_2$	1.1	+	0.8	+	0.6	+		C0.05
Glycidyl methacrylate	2,3-Epoxypropyl methacrylate	106-91-2	$C_7H_{10}O_3$	2.6	+	1.2	+	0.9	+		0.5
Halothane	2-Bromo-2-chloro-1,1,1-trifluoroethane	151-67-7	$C_2HBrClF_3$					0.6		11.0	50
HCFC-22 see Chlorodifluoromethane											
HCFC-123 see 2,2-Dichloro-1,1,1-trifluoroethane											
HCFC-141B see 1,1-Dichloro-1-fluoroethane											
HCFC-142B see 1-Chloro-1,1-difluoroethane											
HCFC-134A see 1,1,1,2-Tetrafluoroethane											
HCFC-225 see Dichloropentafluoropropane											
Heptane, n-		142-82-5	C_7H_{16}	45	+	2.8	+	0.60	+	9.92	400
Heptanol, 4-	Dipropylcarbinol	589-55-9	$C_7H_{16}O$	1.8	+	1.3	+	0.5	+	9.61	ne
Hexamethyldisilazane, 1,1,1,3,3,3- *	HMDS	999-97-3	$C_6H_{19}NSi_2$			0.2	+	0.2	+	~8.6	ne
Hexamethyldisiloxane	HMDSx	107-46-0	$C_6H_{18}OSi_2$	0.33	+	0.27	+	0.25	+	9.64	ne
Hexane, n-		110-54-3	C_6H_{14}	350	+	4.3	+	0.54	+	10.13	50
Hexanol, 1-	Hexyl alcohol	111-27-3	$C_6H_{14}O$	9	+	2.5	+	0.55	+	9.89	ne
Hexene, 1-		592-41-6	C_6H_{12}			0.8				9.44	30
HFE-7100 see Methyl nonafluorobutyl ether											
Histoclear (Histo-Clear)	Limonene/corn oil reagent		m.w. ~136	0.5	+	0.4	+	0.3	+		ne
Hydrazine *		302-01-2	H_4N_2	>8	+	2.6	+	2.1	+	8.1	0.01
Hydrazoic acid	Hydrogen azide		HN_3							10.7	
Hydrogen	Synthesis gas	1333-74-0	H_2	NR	+	NR	+	NR	+	15.43	ne
Hydrogen cyanide	Hydrocyanic acid	74-90-8	HCN	NR	+	NR	+	NR	+	13.6	C4.7
Hydrogen iodide *	Hydriodic acid	10034-85-2	HI			~0.6*				10.39	
Hydrogen peroxide		7722-84-1	H_2O_2	NR	+	NR	+	NR	+	10.54	1
Hydrogen sulfide		7783-06-4	H_2S	NR	+	3.3	+	1.5	+	10.45	10
Hydroxypropyl methacrylate		27813-02-1 923-26-2	$C_7H_{12}O_3$	9.9	+	2.3	+	1.1	+		ne
Iodine *		7553-56-2	I_2	0.1	+	0.1	+	0.1	+	9.40	C0.1

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Iodomethane	Methyl iodide	74-88-4	CH_3I	0.21	+	0.22	+	0.26	+	9.54	2
Isoamyl acetate	Isopentyl acetate	123-92-2	$C_7H_{14}O_2$	10.1		2.1		1.0		<10	100
Isobutane	2-Methylpropane	75-28-5	C_4H_{10}			100	+	1.2	+	10.57	ne
Isobutanol	2-Methyl-1-propanol	78-83-1	$C_4H_{10}O$	19	+	3.8	+	1.5		10.02	50
Isobutene	Isobutylene, Methyl butene	115-11-7	C_4H_8	1.00	+	1.00	+	1.00	+	9.24	Ne
Isobutyl acrylate	Isobutyl 2-propenoate	106-63-8	$C_7H_{12}O_2$			1.5	+	0.60	+		Ne
Isoflurane	1-Chloro-2,2,2-trifluoroethyl difluoromethyl ether, forane	26675-46-7	$C_3H_2ClF_5O$	NR	+	NR	+	48	+	~11.7	Ne
Isooctane	2,2,4-Trimethylpentane	540-84-1	C8H18			1.2				9.86	ne
Isopar E Solvent	Isoparaffinic hydrocarbons	64741-66-8	m.w. 121	1.7	+	0.8	+				Ne
Isopar G Solvent	Photocopier diluent	64742-48-9	m.w. 148			0.8	+				Ne
Isopar K Solvent	Isoparaffinic hydrocarbons	64742-48-9	m.w. 156	0.9	+	0.5	+	0.27	+		Ne
Isopar L Solvent	Isoparaffinic hydrocarbons	64742-48-9	m.w. 163	0.9	+	0.5	+	0.28	+		Ne
Isopar M Solvent	Isoparaffinic hydrocarbons	64742-47-8	m.w. 191			0.7	+	0.4	+		Ne
Isopentane	2-Methylbutane	78-78-4	C_5H_{12}			8.2					Ne
Isophorone		78-59-1	$C_9H_{14}O$					3		9.07	C5
Isoprene	2-Methyl-1,3-butadiene	78-79-5	C_5H_8	0.69	+	0.63	+	0.60	+	8.85	Ne
Isopropanol	Isopropyl alcohol, 2-propanol, IPA	67-63-0	C_3H_8O	500	+	6.0	+	2.7		10.12	200
Isopropyl acetate		108-21-4	$C_5H_{10}O_2$			2.6				9.99	100
Isopropyl ether	Diisopropyl ether	108-20-3	$C_6H_{14}O$			0.8				9.20	250
Jet fuel JP-4	Jet B, Turbo B, F-40 Wide cut type aviation fuel	8008-20-6 + 64741-42-0	m.w. 115			1.0	+	0.4	+		Ne
Jet fuel JP-5	Jet 5, F-44, Kerosene type aviation fuel	8008-20-6 + 64747-77-1	m.w. 167			0.6	+	0.5	+		29
Jet fuel JP-8	Jet A-1, F-34, Kerosene type aviation fuel	8008-20-6 + 64741-77-1	m.w. 165			0.6	+	0.3	+		30
Jet fuel A-1 (JP-8)	F-34, Kerosene type aviation fuel	8008-20-6 + 64741-77-1	m.w. 145			0.67					34
Jet Fuel TS	Thermally Stable Jet Fuel, Hydrotreated kerosene fuel	8008-20-6 + 64742-47-8	m.w. 165	0.9	+	0.6	+	0.3	+		30
Limonene, D-	(R)-(+)-Limonene	5989-27-5	$C_{10}H_{16}$			0.33	+			~8.2	Ne
Kerosene C10-C16 petro.distillate – see Jet Fuels		8008-20-6									
MDI – see 4,4'-Methylenebis(phenylisocyanate)											
Maleic anhydride	2,5-Furandione	108-31-6	$C_4H_2O_3$							~10.8	0.1
Mesitylene	1,3,5-Trimethylbenzene	108-67-8	C_9H_{12}	0.36	+	0.35	+	0.3	+	8.41	25
Methallyl chloride – see 3-Chloro-2-methylpropene											
Methane	Natural gas	74-82-8	CH_4	NR	+	NR	+	NR	+	12.61	Ne
Methanol	Methyl alcohol, carbinol	67-56-1	CH_4O	NR	+	NR	+	2.5	+	10.85	200
Methoxyethanol, 2-	Methyl cellosolve, Ethylene glycol monomethyl ether	109-86-4	$C_3H_8O_2$	4.8	+	2.4	+	1.4	+	10.1	5
Methoxyethoxyethanol, 2-	2-(2-Methoxyethoxy)ethanol Diethylene glycol monomethyl ether	111-77-3	$C_7H_{16}O$	2.3	+	1.2	+	0.9	+	<10	Ne
Methoxyethyl ether, 2-	bis(2-Methoxyethyl) ether, Diethylene glycol dimethyl ether, Diglyme	111-96-6	$C_6H_{14}O_3$	0.64	+	0.54	+	0.44	+	<9.8	Ne
Methyl acetate		79-20-9	$C_3H_6O_2$	NR	+	6.6	+	1.4	+	10.27	200
Methyl acrylate	Methyl 2-propenoate, Acrylic acid methyl ester	96-33-3	$C_4H_6O_2$			3.7	+	1.2	+	(9.9)	2
Methylamine	Aminomethane	74-89-5	CH_5N			1.2				8.97	5
Methyl amyl ketone	MAK, 2-Heptanone, Methyl pentyl ketone	110-43-0	$C_7H_{14}O$	0.9	+	0.85	+	0.5	+	9.30	50
Methyl bromide	Bromomethane	74-83-9	CH_3Br	110	+	1.7	+	1.3	+	10.54	1
Methyl t-butyl ether	MTBE, *tert*-Butyl methyl ether	1634-04-4	$C_5H_{12}O$			0.9	+			9.24	40
Methyl cellosolve	see 2-Methoxyethanol										
Methyl chloride	Chloromethane	74-87-3	CH_3Cl	NR	+	NR	+	0.74	+	11.22	50
Methylcyclohexane		107-87-2	C_7H_{14}	1.6	+	0.97	+	0.53	+	9.64	400
Methylene bis(phenyl-isocyanate), 4,4'- *	MDI, Mondur M		$C_{15}H_{10}N_2O_2$	Very slow ppb level response							0.005

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Methylene chloride	Dichloromethane	75-09-2	CH_2Cl_2	NR	+	NR	+	0.89	+	11.32	25
Methyl ether	Dimethyl ether	115-10-6	C_2H_6O	4.8	+	3.1	+	2.5	+	10.03	Ne
Methyl ethyl ketone	MEK, 2-Butanone	78-93-3	C_4H_8O	0.86	+	0.9	+	1.1	+	9.51	200
Methylhydrazine	Monomethylhydrazine, Hydrazomethane	60-34-4	$C_2H_6N_2$	1.4	+	1.2	+	1.3	+	7.7	0.01
Methyl isoamyl ketone	MIAK, 5-Methyl-2-hexanone	110-12-3	$C_7H_{14}O$	0.8	+	0.76	+	0.5	+	9.28	50
Methyl isobutyl ketone	MIBK, 4-Methyl-2-pentanone	108-10-1	$C_6H_{12}O$	0.9	+	0.8	+	0.6	+	9.30	50
Methyl isocyanate	CH3NCO	624-83-9	C_2H_3NO	NR	+	4.6	+	1.5		10.67	0.02
Methyl isothiocyanate	CH3NCS	551-61-6	C_2H_3NS	0.5	+	0.45	+	0.4	+	9.25	ne
Methyl mercaptan	Methanethiol	74-93-1	CH_4S	0.65		0.54		0.66		9.44	0.5
Methyl methacrylate		80-62-6	$C_5H_8O_2$	2.7	+	1.5	+	1.2	+	9.7	100
Methyl nonafluorobutyl ether	HFE-7100DL	163702-08-7, 163702-07-6	$C_5H_3F_9O$			NR	+	~35	+		ne
Methyl-1,5-pentanediamine, 2- (coats lamp) *	Dytek-A amine, 2-Methyl pentamethylenediamine	15520-10-2	C6H16N2			~0.6	+			<9.0	ne
Methyl propyl ketone	MPK, 2-Pentanone	107-87-9	$C_5H_{12}O$			0.93	+	0.79	+	9.38	200
Methyl-2-pyrrolidinone, N-	NMP, N-Methylpyrrolidone, 1-Methyl-2-pyrrolidinone, 1-Methyl-2-pyrrolidone	872-50-4	C_5H_9NO	1.0	+	0.8	+	0.9	+	*9.17*	ne
Methyl salicylate	Methyl 2-hydroxybenzoate	119-36-8	C_8H_8O3	1.3	+	0.9	+	0.9	+	~9	ne
Methylstyrene, α-	2-Propenylbenzene	98-83-9	C_9H_{10}			0.5				8.18	50
Methyl sulfide	DMS, Dimethyl sulfide	75-18-3	C_2H_6S	0.49	+	0.44	+	0.46	+	8.69	ne
Mineral spirits	Stoddard Solvent, Varsol 1, White Spirits	8020-83-5 8052-41-3 68551-17-7	m.w. 144	1.0		0.69	+	0.38	+		100
Mineral Spirits - Viscor 120B Calibration Fluid, b.p. 156-207°C		8052-41-3	m.w. 142	1.0	+	0.7	+	0.3	+		100
Monoethanolamine - see Ethanolamine											
Mustard *	HD, Bis(2-chloroethyl) sulfide	505-60-2 39472-40-7 68157-62-0	$C_4H_8Cl_2S$			0.6					0.0005
Naphtha - see VM & P Naptha											
Naphthalene	Mothballs	91-20-3	$C_{10}H_8$	0.45	+	0.42	+	0.40	+	8.13	10
Nickel carbonyl (in CO)	Nickel tetracarbonyl	13463-39-3	C_4NiO_4			0.18				<8.8	0.001
Nicotine		54-11-5	$C_{10}H_{14}N_2$			2.0				≤10.6	
Nitric oxide		10102-43-9	NO	~6		5.2	+	2.8	+	9.26	25
Nitrobenzene		98-95-3	$C_6H_5NO_2$	2.6	+	1.9	+	1.6	+	9.81	1
Nitroethane		79-24-3	$C_2H_5NO_2$					3		10.88	100
Nitrogen dioxide		10102-44-0	NO_2	23	+	16	+	6	+	9.75	3
Nitrogen trifluoride		7783-54-2	NF_3	NR		NR		NR		13.0	10
Nitromethane		75-52-5	CH_3NO_2					4		11.02	20
Nitropropane, 2-		79-46-9	$C_3H_7NO_2$					2.6		10.71	10
Nonane		111-84-2	C_9H_{20}			1.4				9.72	200
Norpar 12	n-Paraffins, mostly C_{10}-C_{13}	64771-72-8	m.w. 161	3.2	+	1.1	+	0.28	+		ne
Norpar 13	n-Paraffins, mostly C_{13}-C_{14}	64771-72-8	m.w. 189	2.7	+	1.0	+	0.3	+		ne
Octamethylcyclotetrasiloxane		556-67-2	$C_8H_{24}O_4Si_4$	0.21	+	0.17	+	0.14	+		ne
Octamethyltrisiloxane		107-51-7	$C_8H_{24}O_2Si_3$	0.23	+	0.18	+	0.17	+	<10.0	ne
Octane, n-		111-65-9	C_8H_{18}	13	+	1.8	+			9.82	300
Octene, 1-		111-66-0	C_8H_{16}	0.9	+	0.75	+	0.4	+	9.43	75
Pentane		109-66-0	C_5H_{12}	80	+	8.4	+	0.7	+	10.35	600
Peracetic acid *	Peroxyacetic acid, Acetyl hydroperoxide	79-21-0	$C_2H_4O_3$	NR	+	NR	+	2.3	+		ne
Peracetic/Acetic acid mix *	Peroxyacetic acid, Acetyl hydroperoxide	79-21-0	$C_2H_4O_3$			50	+	2.5	+		ne
Perchloroethene	PCE, Perchloroethylene, Tetrachloroethylene	127-18-4	C_2Cl_4	0.69	+	0.57	+	0.31	+	9.32	25
PGME	Propylene glycol methyl ether, 1-Methoxy-2-propanol	107-98-2	$C_6H_{12}O_3$	2.4	+	1.5	+	1.1	+		100

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Compound Name	Synonym/Abbreviation	CAS No.	Formula	9.8	C	10.6	C	11.7	C	IE (eV)	TWA
PGMEA	Propylene glycol methyl ether acetate, 1-Methoxy-2-acetoxypropane, 1-Methoxy-2-propanol acetate	108-65-6	$C_6H_{12}O_3$	1.65	+	1.0	+	0.8	+		ne
Phenol	Hydroxybenzene	108-95-2	C_6H_6O	1.0	+	1.0	+	0.9	+	8.51	5
Phosgene	Dichlorocarbonyl	75-44-5	CCl_2O	NR	+	NR	+	8.5	+	11.2	0.1
Phosgene in Nitrogen	Dichlorocarbonyl	75-44-5	CCl_2O	NR	+	NR	+	6.8	+	11.2	0.1
Phosphine (coats lamp)		7803-51-2	PH_3	28		3.9	+	1.1	+	9.87	0.3
Photocopier Toner	Isoparaffin mix					0.5	+	0.3	+		ne
Picoline, 3-	3-Methylpyridine	108-99-6	C_6H_7N			0.9				9.04	ne
Pinene, α-		2437-95-8	$C_{10}H_{16}$			0.31	+	0.47		8.07	ne
Pinene, β-		18172-67-3	$C_{10}H_{16}$	0.38	+	0.37	+	0.37	+	~8	100
Piperylene, isomer mix	1,3-Pentadiene	504-60-9	C_5H_8	0.76	+	0.69	+	0.64	+	8.6	100
Propane		74-98-6	C_3H_8			NR	+	1.8	+	10.95	2500
Propanol, n-	Propyl alcohol	71-23-8	C_3H_8O			5		1.7		10.22	200
Propene	Propylene	115-07-1	C_3H_6	1.5	+	1.4	+	1.6	+	9.73	ne
Propionaldehyde	Propanal	123-38-6	C_3H_6O			1.9				9.95	ne
Propyl acetate, n-		109-60-4	$C_5H_{10}O_2$			3.5		2.3		10.04	200
Propylamine, n-	1-Propylamine, 1-Aminopropane	107-10-8	C_3H_9N	1.1	+	1.1	+	0.9	+	8.78	ne
Propylene carbonate *		108-32-7	$C_4H_6O_3$			62	+	1	+	10.5	ne
Propylene glycol	1,2-Propanediol	57-55-6	$C_3H_8O_2$	18		5.5	+	1.6	+	<10.2	ne
Propylene glycol propyl ether	1-Propoxy-2-propanol	1569-01-3	$C_6H_{14}O_2$	1.3	+	1.0	+	1.6	+		ne
Propylene oxide	Methyloxirane	75-56-9 16088-62-3 15448-47-2	C_3H_6O	~240		6.6	+	2.9	+	10.22	20
Propyleneimine	2-Methylaziridine	75-55-8	C_3H_7N	1.5	+	1.3	+	1.0	+	9.0	2
Propyl mercaptan, 2-	2-Propanethiol, Isopropyl mercaptan	75-33-2	C_3H_8S	0.64	+	0.66	+			9.15	ne
Pyridine		110-86-1	C_5H_5N	0.78	+	0.7	+	0.7	+	9.25	5
Pyrrolidine (coats lamp)	Azacyclohexane	123-75-1	C_4H_9N	2.1	+	1.3	+	1.6	+	~8.0	ne
RR7300 (PGME/PGMEA)	70:30 PGME:PGMEA (1-Methoxy-2-propanol:1-Methoxy-2-acetoxypropane)	107-98-2	$C_4H_{10}O_2$ / $C_6H_{12}O_3$			1.4	+	1.0	+		ne
Sarin	GB, Isopropyl methylphosphonofluoridate	107-44-8 50642-23-4	$C_4H_{10}FO_2P$			~3					
Stoddard Solvent - see Mineral Spirits		8020-83-5									
Styrene		100-42-5	C_8H_8	0.45	+	0.40	+	0.4	+	8.43	20
Sulfur dioxide		7446-09-5	SO_2	NR		NR	+	NR	+	12.32	2
Sulfur hexafluoride		2551-62-4	SF_6	NR		NR		NR		15.3	1000
Sulfuryl fluoride	Vikane	2699-79-8	SO_2F_2	NR		NR		NR		13.0	5
Tabun *	Ethyl N, N-dimethylphosphoramidocyanidate	77-81-6	$C_5H_{11}N_2O_2P$			0.8					15ppt
Tetrachloroethane, 1,1,1,2-		630-20-6	$C_2H_2Cl_4$					1.3		~11.1	ne
Tetrachloroethane, 1,1,2,2-		79-34-5	$C_2H_2Cl_4$	NR	+	NR	+	0.60	+	~11.1	1
Tetrachlorosilane		10023-04-7	$SiCl_4$	NR		NR		15	+	11.79	ne
Tetraethyl lead	TEL	78-00-2	$C_8H_{20}Pb$	0.4		0.3		0.2		~11.1	0.008
Tetraethyl orthosilicate	Ethyl silicate, TEOS	78-10-4	$C_8H_{20}O_4Si$			0.7	+	0.2	+	~9.8	10
Tetrafluoroethane, 1,1,1,2-	HFC-134A	811-97-2	$C_2H_2F_4$			NR		NR			ne
Tetrafluoroethene	TFE, Tetrafluoroethylene, Perfluoroethylene	116-14-3	C_2F_4			~15				10.12	ne
Tetrafluoromethane	CFC-14, Carbon tetrafluoride	75-73-0	CF_4			NR	+	NR	+	>15.3	ne
Tetrahydrofuran	THF	109-99-9	C_4H_8O	1.9	+	1.7	+	1.0	+	9.41	200
Tetramethyl orthosilicate	Methyl silicate, TMOS	681-84-5	$C_4H_{12}O_4Si$	10	+	1.9	+			~10	1
Therminol® D-12 *	Hydrotreated heavy naphtha	64742-48-9	m.w. 160	0.8	+	0.51	+	0.33	+		ne
Therminol® VP-1 *	Dowtherm A, 3:1 Diphenyl oxide: Biphenyl	101-84-8 92-52-4	$C_{12}H_{10}O$ $C_{12}H_{10}$			0.4	+				1
Toluene	Methylbenzene	108-88-3	C_7H_8	0.54	+	0.50	+	0.51	+	8.82	50

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Compound Name	Synonym/Abbreviation	CAS No.	Formula	9.8	C	10.6	C	11.7	C	IE (eV)	TWA
Tolylene-2,4-diisocyanate	TDI, 4-Methyl-1,3-phenylene-2,4-diisocyanate	584-84-9	$C_9H_6N_2O_2$	1.4	+	1.4	+	2.0	+		0.002
Trichlorobenzene, 1,2,4-	1,2,4-TCB	120-82-1	$C_6H_3Cl_3$	0.7	+	0.46	+			9.04	C5
Trichloroethane, 1,1,1-	1,1,1-TCA, Methyl chloroform	71-55-6	$C_2H_3Cl_3$			NR	+	1	+	11	350
Trichloroethane, 1,1,2-	1,1,2-TCA	79-00-5	$C_2H_3Cl_3$	NR	+	NR	+	0.9	+	11.0	10
Trichloroethene	TCE, Trichoroethylene	79-01-6	C_2HCl_3	0.62	+	0.54	+	0.43	+	9.47	50
Trichloromethylsilane	Methyltrichlorosilane	75-79-6	CH_3Cl_3Si	NR		NR		1.8	+	11.36	ne
Trichlorotrifluoroethane, 1,1,2-	CFC-113	76-13-1	$C_2Cl_3F_3$			NR		NR		11.99	1000
Triethylamine	TEA	121-44-8	$C_6H_{15}N$	0.95	+	0.9	+	0.65	+	7.3	1
Triethyl borate	TEB; Boric acid triethyl ester	150-46-9	$C_6H_{15}O_3B$			2.2	+	1.1	+	~10	ne
Triethyl phosphate	Ethyl phosphate	78-40-0	$C_6H_{15}O_4P$	~50	+	3.1	+	0.60	+	9.79	ne
Trifluoroethane, 1,1,2-		430-66-0	$C_2H_3F_3$					34		*12.9*	ne
Trimethylamine		75-50-3	C_3H_9N			0.9				7.82	5
Trimethylbenzene, 1,3,5- - see Mesitylene		108-67-8									25
Trimethyl borate	TMB; Boric acid trimethyl ester, Boron methoxide	121-43-7	$C_3H_9O_3B$			5.1	+	1.2	+	10.1	ne
Trimethyl phosphate	Methyl phosphate	512-56-1	$C_3H_9O_4P$			8.0	+	1.3	+	9.99	ne
Trimethyl phosphite	Methyl phosphite	121-45-9	$C_3H_9O_3P$			1.1	+		+	*8.5*	2
Turpentine	Pinenes (85%) + other diisoprenes	8006-64-2	$C_{10}H_{16}$	0.37	+	0.30	+	0.29	+	~8	20
Undecane		1120-21-4	$C_{11}H_{24}$			2				9.56	ne
Varsol – see Mineral Spirits											
Vinyl actetate		108-05-4	$C_4H_6O_2$	1.5	+	1.2	+	1.0	+	9.19	10
Vinyl bromide	Bromoethylene	593-60-2	C_2H_3Br			0.4				9.80	5
Vinyl chloride	Chloroethylene, VCM	75-01-4	C_2H_3Cl			2.0	+	0.6	+	9.99	5
Vinyl-1-cyclohexene, 4-	Butadiene dimer, 4-Ethenylcyclohexene	100-40-3	C_8H_{12}	0.6	+	0.56	+			9.83	0.1
Vinylidene chloride - see 1,1-Dichloroethene											
Vinyl-2-pyrrolidinone, 1-	NVP, N-vinylpyrrolidone, 1-ethenyl-2-pyrrolidinone	88-12-0	C_6H_9NO	1.0	+	0.8	+	0.9	+		ne
Viscor 120B - see Mineral Spirits - Viscor 120B Calibration Fluid											
V. M. & P. Naphtha	Ligroin; Solvent naphtha; Varnish maker's & painter's naptha	64742-89-8	m.w. 111 (C_8-C_9)	1.7	+	0.97	+				300
Xylene, m-	1,3-Dimethylbenzene	108-38-3	C_8H_{10}	0.50	+	0.44	+	0.40	+	8.56	100
Xylene, o-	1,2-Dimethylbenzene	95-47-6	C_8H_{10}	0.56	+	0.46	+	0.43		8.56	100
Xylene, p-	1,4-Dimethylbenzene	106-42-3	C_8H_{10}	0.48	+	0.39	+	0.38	+	8.44	100
None				1		1		1			
Undetectable				1E+6		1E+6		1E+6			

* Compounds indicated in green can be detected using a MiniRAE 2000 or ppbRAE/+ with slow response, but may be lost by adsorption on a MultiRAE or EntryRAE. Response on multi-gas meters can give an indication of relative concentrations, but may not be quantitative and for some chemicals no response is observed.

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Appendix I:
Example of Automatic Calculation of Correction Factors, TLVs and Alarm Limits for Mixtures
(Calculations performed using Excel version of this database, available on request)

Compound	CF 9.8 eV	CF 10.6 eV	CF 11.7eV	Mol. Frac	Conc ppm	TLV ppm	STEL Ppm
Benzene	0.55	0.53	0.6	0.01	1	0.5	2.5
Toluene	0.54	0.5	0.51	0.06	10	50	150
Hexane, n-	300	4.3	0.54	0.06	10	50	150
Heptane, n-	45	2.8	0.6	0.28	50	400	500
Styrene	0.45	0.4	0.42	0.06	10	20	40
Acetone	1.2	1.1	1.4	0.28	50	750	1000
Isopropanol	500	6	2.7	0.28	50	400	500
None	1	1	1	0.00	0	1	
Mixture Value:	2.1	1.5	0.89	1.00	181	56	172
TLV Alarm Setpoint when Calibrated to Isobutylene:	26 ppm	37 ppm	62 ppm		ppm	ppm	ppm
STEL Alarm Setpoint, same Calibration	86 ppm	115 ppm	193 ppm				

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ROUX

FIELD OPERATING PROCEDURES

Calibration and Maintenance of Portable Specific Conductance Meter

FOP 012.0

CALIBRATION AND MAINTENANCE OF PORTABLE SPECIFIC CONDUCTANCE METER

PURPOSE

This guideline describes a method for calibration of a portable specific conductance meter. This meter measures the ability of a water sample to conduct electricity, which is largely a function of the dissolved solids within the water. The instrument has been calibrated by the manufacturer according to factory specifications. This guideline presents a method for checking the factory calibration of a portable specific conductance meter. A calibration check is performed to verify instrument accuracy and function. All field test equipment will be checked at the beginning of each sampling day. This procedure also documents critical maintenance activities for this meter.

ACCURACY

The calibrated accuracy of the specific conductance meter will be within ± 1 percent of full-scale, with repeatability of ± 1 percent. The built-in cell will be automatically temperature compensated from at least 32º to 160° F (0° to 71°C).

PROCEDURE

Note: The information included below is equipment manufacturer- and model-specific, however, accuracy, calibration, and maintenance procedures for this type of portable equipment are typically similar. The information below pertains to the Myron L Company Ultrameter Model 6P. The actual equipment to be used in the field will be equivalent or similar.

CALIBRATION AND MAINTENANCE OF PORTABLE SPECIFIC CONDUCTANCE METER

1. Calibrate all field test equipment at the beginning of each sampling day. Check and recalibrate the specific conductance meter according to the manufacture's specifications.

2. Use a calibration solution of known specific conductivity and salinity. For maximum accuracy, use a Standard Solution Value closest to the samples to be tested.

3. Rinse conductivity cell three times with proper standard.

4. Re-fill conductivity cell with same standard.

5. Press **COND** or **TDS**, then press **CAL/MCLR**. The "CAL" icon will appear on the display.

6. Press the **↑/MS** or **MR/↓** key to step the displayed value toward the standard's value or hold a key down to cause rapid scrolling of the reading.

7. Press CAL/MCLR once to confirm new value and end the calibration sequence for this particular solution type.

8. Repeat steps 1 through 7 with additional new solutions, as necessary.

9. Document the calibration results and related information in the Project Field Book and on an **Equipment Calibration Log** (see attached sample), indicating the meter readings before and after the instrument has been adjusted. This is important, not only for data validation, but also to establish maintenance schedules and component replacement. Information will include, at a minimum:
    - Time, date and initials of the field team member performing the calibration
    - The unique identifier for the meter, including manufacturer, model, and serial number
    - The brand and expiration date of the calibration standards
    - The instrument readings: before and after calibration

- The instrument settings (if applicable)
- The overall adequacy of calibration including the Pass or fail designation in accordance with the accuracy specifications presented above.
- Corrective action taken (see Maintenance below) in the event of failure to adequately calibrate.

MAINTENANCE

NOTE: Ultrameters should be rinsed with clean water after use. Solvents should be avoided. Shock damage from a fall may cause instrument failure.

Temperature Extremes

Solutions in excess of 160°F/71°C should not be placed in the cell cup area; this may cause damage. Care should be exercised not to exceed rated operating temperature. Leaving the Ultrameter in a vehicle or storage shed on a hot day can easily subject the instrument to over 150°F voiding the warranty.

Battery Replacement

Dry Instrument THOROUGHLY. Remove the four bottom screws. Open instrument carefully; it may be necessary to rock the bottom slightly side to side to release it from the RS-232 connector. Carefully detach battery from circuit board. Replace with 9-volt alkaline battery. Replace bottom, ensuring the sealing gasket is installed in the groove of the top half of case. Re-install screws, tighten evenly and securely.

NOTE: Because of nonvolatile EEPROM circuitry, all data stored in memory and all calibration settings are protected even during power loss or battery replacement.

Cleaning Sensors

The conductivity cell cup should be kept as clean as possible. Flushing with clean water following use will prevent buildup on electrodes. However, if very dirty samples — particularly scaling types — are allowed to dry in the cell cup, a film will form. This film reduces accuracy. When there are visible films of oil, dirt, or scale in the cell cup or on the electrodes, use a foaming non-abrasive household cleaner. Rinse out the cleaner and your Ultrameter is ready for accurate measurements.

NOTE: Maintain a log for each monitoring instrument. Record all maintenance performed on the instrument on this log with date and name of the organization performing the maintenance.

ATTACHMENTS

Equipment Calibration Log (sample)

FOP 012.0

CALIBRATION AND MAINTENANCE OF PORTABLE SPECIFIC CONDUCTANCE METER

EQUIPMENT CALIBRATION

PROJECT INFORMATION:

Project Name: Date:

Project No.:

Client: Instrument Source: ☐ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	READING	SETTI
☐ pH meter	units		Myron L Company Ultra Meter 6P	606987		4.00		
						7.00		
						10.01		
☐ Turbidity meter	NTU		Hach 2100P Turbidimeter	970600014560		< 0.4		
						20		
						100		
						800		
☐ Sp. conductance meter	uS/mS		Myron L Company Ultra Meter 6P	606987		µS @ 25 °C		
☐ PID	ppm		Photovac 2020 PID			open air zero		MIBK re
						____ ppm Iso. Gas		factor =
☐ Particulate meter	mg/m^3					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/h					background area		
☐								

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

ROUX

FIELD OPERATING PROCEDURES

Composite Sample Collection Procedure for Non-VOC Analysis

FOP 013.0

COMPOSITE SAMPLE COLLECTION PROCEDURE FOR NON-VOLATILE ORGANIC ANALYSIS

PURPOSE

This guideline addresses the procedure to be used when soil samples are to be composited in the field.

PROCEDURE

1. Transfer equal weighted aliquots of soil from individual split-spoon samples, excavator bucket, hand auger or surface soil sample location to a large precleaned stainless steel (or Pyrex glass) mixing bowl.

2. Thoroughly mix (homogenize) and break up the soil using a stainless steel scoop or trowel.

3. Spread the composite sample evenly on a stainless steel tray and quarter the sample.

4. Discard alternate (i.e., diagonal) quarters and, using a small stainless steel scoop or spatula, collect equal portions of subsample from the remaining two quarters until the amount required for the composite sample is acquired. Transfer these subsamples to a precleaned stainless steel (or Pyrex glass) mixing bowl and re-mix.

5. Transfer the composite sample to the laboratory provided, precleaned sample jars. Store any excess sample from the stainless steel tray in a separate, precleaned, wide-mouth sample jar and refrigerate for future use, if applicable.

6. Decontaminate all stainless steel (or Pyrex glass) equipment in accordance with Roux's Non-disposable and Non-dedicated Sampling Equipment Decontamination procedures.

7. Prepare samples in accordance with Benchmark's Sample Labeling, Storage and Shipment FOP.

8. Record all sampling details in the Project Field Book and on the Soil/Sediment Sample Collection Summary Log (sample attached).

ATTACHMENTS

Soil/Sediment Sample Collection Summary Log (sample)

REFERENCES

Roux's FOPs:

040 Non-disposable and Non-dedicated Sampling Equipment Decontamination
046 Sample Labeling, Storage and Shipment

FOP 013.0

COMPOSITE SAMPLE COLLECTION PROCEDURE FOR NON-VOLATILE ORGANIC ANALYSIS

SOIL/SEDIMEI

SAMPLE COLLECTION SUMMARY L(

Field ID	Location	QC Type	Depth (feet)		Analytical Parameters	Containers	Date	Time	Sampler Initials	Comments (e.g. problems encountered, ref. to varian location changes, depth changes, import matrix observations or description, grav thickness, etc.)
			from	to						

Equipment Rinsate Blanks *- Pour clean deionized wate ipment into sample containers. Collect at a frequency of 1 per sampling method per day. Analyze for all those parameters analyzed for in the samples coll the same day. HSL Metals can be substituted by only the Metals an exa romium which needs a separate container). Match equipment used for constituents of concern to rinsate analyte. Note deionzied water lot # or distilay. manufacturers info & date.*

MS/MSD/MSB *- Collect at a frequency of 1 per 20 samples of each matri or all those parameters analyzed for the samples collected the same day.*

Field Blank *- Pour clean deionized water (used as final decon rinse water) into sample containers while at the sampling site. Collect field blanks at a frequency of 1 per lot of deionized water. Note water lot number and dates in use for decon in 'Comments' sectio*

Investigation Derived Waste (IDW) Characterization samples *- One composited sample from all drums of decon fluids and soil. Please note number of drums and labels on collection log.*

Notes:

1. See QAPP for sampling frequency and actual number of QC samples.
2. CWM - clear, wide-mouth glass jar with Teflon-lined cap.
3. HDPE - high density polyethylene bottle.
4. MS/MSD/MSB - Matrix Spike, Matrix Spike Duplicate, Matrix Spike Blank.
5. BD - Blind Duplicate - indicate location of duplicate.

ROUX

FIELD OPERATING PROCEDURES

Documentation Requirements for Drilling and Well Installation

FOP 015.0

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

PURPOSE

The purpose of these documentation requirements is to document the procedures used for drilling and installing wells in order to ensure the quality of the data obtained from these operations. Roux field technical personnel will be responsible for developing and maintaining documentation for quality control of field operations. At least one field professional will monitor each major operation (e.g. one person per drilling rig) to document and record field procedures for quality control. These procedures provide a description of the format and information for this documentation.

PROCEDURE

Project Field Book

Personnel assigned by the Roux Field Team Leader or Project Manager will maintain a Project Field Book for all site activities. These Field Books will be started upon initiation of any site activities to document the field investigation process. The Field Books will meet the following criteria:

- Permanently bound, with nominal 8.5-inch by 11-inch gridded pages.
- Water resistant paper.
- Pages must be pre-numbered or numbered in the field, front and back.

Notations in the field book will be in black or blue ink that will not smudge when wet. Information that may be recorded in the Field Book includes:

- Time and date of all entries.

- Name and location of project site and project job number.
- Listing of key project, client and agency personnel and telephone numbers.
- Date and time of daily arrivals and departures, name of person keeping the log, names and affiliation of persons on site, purpose of visit (if applicable), weather conditions, outline of project activities to be completed.
- Details of any variations to the procedures/protocols (i.e., as presented in the Work Plan or Field Operating Procedures) and the basis for the change.
- Field-generated data relating to implementation of the field program, including sample locations, sample descriptions, field measurements, instrument calibration, etc.
- Record of all photographs taken in the field, including date, time, photographer, site location and orientation, sequential number of photograph, and roll number.

Upon completion of the site activities, all Field Books will be photocopied and both the original and photocopied versions placed in the project files. In addition, all field notes except those presented on specific field forms will be neatly transcribed into Field Activity Daily Log (FADL) forms (sample attached).

Field Borehole/Monitoring Well Installation Log Form

Examples of the Field Borehole Log and Field Borehole/Monitoring Well Installation Log forms are attached to this Field Operating Procedure. One form will be completed for every boring by the Roux field person overseeing the drilling. At a minimum, these forms will include:

- Project name, location, and number.
- Boring number.

- Rig type and drilling method.
- Drilling dates.
- Sampling method.
- Sample descriptions, to meet the requirements of the Unified Soil Classification System (USCS) for soils and the Unified Rock Classification System (URCS) for rock.
- Results of photoionization evaluations (scan and/or headspace determinations).
- Blow counts for sampler penetration (Standard Penetration Test, N-Value).
- Drilling rate, rig chatter, and other drilling-related information, as necessary.

All depths recorded on Boring/Monitoring Well Installation Log forms will be expressed in increments tenths of feet, and not in inches.

Well Completion Detail Form

An example of this form is attached to this Field Operating Procedure. One form will be completed for every boring by the Roux field person overseeing the well installation. At a minimum, these forms will include:

- Project name, location, and number.
- Well number.
- Installation dates.
- Dimensions and depths of the various well components illustrated in the Well Completion Detail (attached). These include the screened interval, bottom caps or plugs, centralizers, and the tops and bottoms of the various annular materials.

- Drilling rate, rig chatter, and other drilling related information.

All depths recorded on Field Borehole/Monitoring Well Installation Logs will be expressed in tenths of feet, and not in inches.

Daily Drilling Report Form

An example of this form is attached to this Field Operating Procedure. This form should be used to summarize all drilling activities. One form should be completed for each rig for each day. These forms will include summaries of:

- Footage drilled, broken down by diameter (e.g. 200 feet of 6-inch diameter hole, 50 feet of 10-inch diameter hole).
- Footage of well and screen installed, broken down by diameter.
- Quantities of materials used, including sand, cement, bentonite, centralizers, protective casings, traffic covers, etc. recorded by well or boring location.
- Active time (hours), and activity (drilling, decontamination, development, well installation, surface completions, etc.)
- Down-time (hours) and reason.
- Mobilizations and other events.
- Other quantities that will be the basis for drilling invoices.

The form should be signed daily by both the Roux field supervisor and the driller's representative, and provided to the Roux Field Team Leader.

Other Project Field Forms

Well purging/well development forms, test pit logs, environmental sampling field data sheets, water level monitoring forms, and well testing (slug test or pumping test) forms. Refer to specific guidelines for form descriptions.

ATTACHMENTS

Field Activity Daily Log (FADL) (sample)
Field Borehole Log (sample)
Field Borehole/Monitoring Well Installation Log (sample)
Stick-up Well/Piezometer Completion Detail (sample)
Flush-mount Well/Piezometer Completion Detail (sample)
Daily Drilling Report (sample)

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

DAILY LOG				
	DATE			
	NO.			
	SHEET		OF	

FIELD ACTIVITY DAILY LOG

PROJECT NAME:	PROJECT NO.
PROJECT LOCATION:	CLIENT:
FIELD ACTIVITY SUBJECT:	
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:	

TIME	DESCRIPTION

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:
WEATHER CONDITIONS: A.M.: P.M.:	IMPORTANT TELEPHONE CALLS:
BM/TK PERSONNEL ON SITE:	
SIGNATURE	DATE:

(CONTINUED)

FOP 015.0

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

FIELD BOREHOLE LOG

PROJECT:		**Log of Boring No.:**		
BORING LOCATION:		ELEVATION AND DATUM:		
DRILLING CONTRACTOR:		DATE STARTED:		DATE FINISHED:
DRILLING METHOD:		TOTAL DEPTH:		SCREEN INTERVAL:
DRILLING EQUIPMENT:		DEPTH TO WATER: FIRST:	COMPL.:	CASING:
SAMPLING METHOD:		LOGGED BY:		
HAMMER WEIGHT:	DROP:	RESPONSIBLE PROFESSIONAL:		REG. NO.

Depth (fbgs)	SAMPLES: Sample No.	Sample	Blows (per 6")	SPT N-Value	Recovery	PID Scan (ppm)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, % of Soil Type, Te… icity, Fabric, Bedding, Weathering/Fracturing, Odor, O… SURFACE ELEVATION (FMSL):	REMARKS

ABANDONMENT:			
Volume of cement/bentonite grout required:	$V = \pi r^2 \times 7.48 =$ gallons	borehole depth =	ft.
Volume of cement/bentonite grout installed:	gallons	borehole diameter =	ft.
Has bridging of grout occurred? ☐ yes ☐ no		borehole radius =	ft.
If yes, explain resolution:			
Method of installation:			
Project No:			Figure

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

FIELD BOREHOLE/MONITORING WELL INSTALLATION LOG

PROJECT:			**Log of Well No.:**	
BORING LOCATION:			ELEVATION AND DATUM:	
DRILLING CONTRACTOR:			DATE STARTED:	DATE FINISHED:
DRILLING METHOD:			TOTAL DEPTH:	SCREEN INTERVAL:
DRILLING EQUIPMENT:			DEPTH TO WATER: FIRST: / COMPL.:	CASING:
SAMPLING METHOD:			LOGGED BY:	
HAMMER WEIGHT:	DROP:		RESPONSIBLE PROFESSIONAL:	REG. NO.

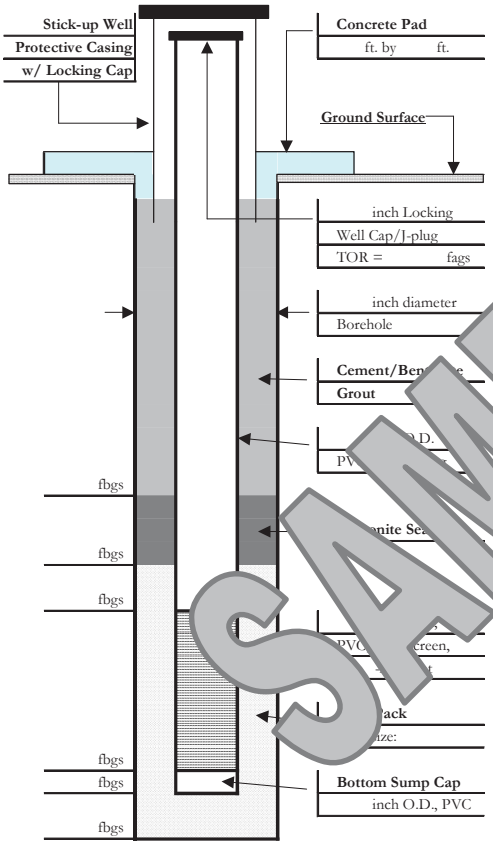
Depth (fbgs)	SAMPLES: Sample No.	Sample	Blows (per 6")	SPT N-Value	Recovery	PID Scan (ppm)	SAMPLE DESCRIPTION	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
							USCS Classification: Color, Moisture Condition, % of Soil Type, Plas... Fabric, Bedding, Weathering/Fracturing, Odor, Ot...	
							SURFACE ELEVATION (FMSL):	

Project No:		Figure

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

STICK-UP WELL/PIEZOMETER COMPLETION DETAIL

Project Name:	WELL NUMBER:
Client:	Date Installed:
Boring Location:	Project Number:



Driller Information	
Company:	
Driller:	
Helper:	
Permit Number:	
Drill Rig Type:	

Well Informa	
Land Surfa ation:	fmsl (approximate)
Drilling Meth	
Soil Sample Colle nod:	
Fluid:	
Fl During Dri	gallons (approximate)

Cons io	
C	
S	
Pack:	
Seal:	

De opment	
urpose:	
Tec neque(s):	
ate Completed:	
BM/TK Personnel:	
Total Volume Purge:	gallons
Static Water Level:	fbTOR
Pump Depth:	
Purge Duration:	minutes
Yeild:	gpm
Specific Capacity:	gpm/ft

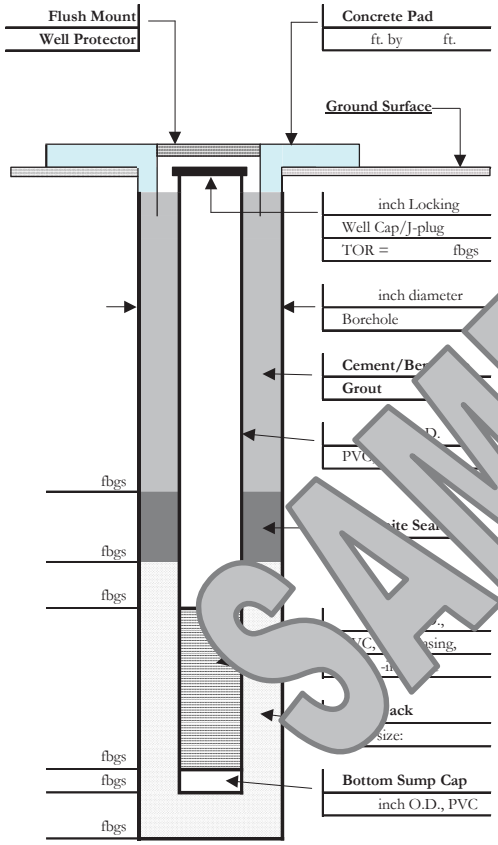
Comments:

PREPARED BY: DATE:

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

FLUSHMOUNT WELL/PIEZOMETER COMPLETION DETAIL

Project Name:	WELL NUMBER:
Client:	Date Installed:
Boring Location:	Project Number:



Driller Information	
Company:	
Driller:	
Helper:	
Permit Number:	
Drill Rig Type:	

Well Inform	
Land Surfa ation	fmsl (approximate)
Drilling Meth	
S Sample Colle thod:	
Fluid:	
Flu During Drill	gallons (approximate)

l o Con ion	
C	
S	
ack:	
A eal:	

Development	
W urpose:	
Techneque(s):	
Date Completed:	
BM/TK Personnel:	
Total Volume Purge:	gallons
Static Water Level:	fbTOR
Pump Depth:	
Purge Duration:	minutes
Yeild:	gpm
Specific Capacity:	gpm/ft

Comments:

PREAPRED BY: DATE:

FOP 015.0

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

DAILY DRILLING REPORT

CONTRACTOR:	DATE:
DRILLING EQUIPMENT:	PROJECT:
CREW MEMBERS:	JOB NUMBER:
SITE NAME:	BM PERSONNEL:

CATEGORY	Total Hours	a.m. 6 7 8 9 10 11 12	p.m. 1 2 3 4 5 6 7 8 9 10 11 12	a.m. 1 2 3 4 5 6
MOB / DEMOB				
DRILLING				
WELL INSTALLATION				
DEVELOPMENT / TESTING				
GROUTING				
STEAM / DECON				
DOWN TIME (explain below)				
STANDBY (explain below)				
CLEANUP				
PREP FOR DRILLING				
LUNCH				
OTHER:				

REMARKS:

DRILLING & WELL MATERIALS: Describe nature, qu[illegible]c.

ITEM OR SERVICE	QUANTITIES	LOCATION				TOTALS
Starting depth (fbgs)						--
Ending depth (fbgs)						--
Total footage drilled (feet)						
Drilling Method (HSA, air[illegible]ble etc.)						--
Auger/Bit size						--
CSSS starting depth (fbg						--
CSSS ending depth (fbgs)						--
Total CSSS footage						
-inch Schedule 40 PVC screen, [illegible] size =						
-inch Schedule 40 PVC riser						
-inch Schedule 40 PVC screen, s[illegible]						
-inch Schedule 40 PVC riser						
-inch Schedule 40 PVC screen, slot size =						
-inch Schedule 40 PVC riser						
Sand pack, size =						
Bentonite pellets/chips, size =						
Cement/beontonite grout						
☐ Protective casing ☐ Flushmount road box						
Lockable J-plug						
Lock						

PERSONNEL TIME LOG:

POSITION	NAME	HOURS
Observer		
Drillers		

DRILLER (optional):	BM REP.

ROUX

FIELD OPERATING PROCEDURES

Drill Site Selection Procedure

FOP 017.0

DRILL SITE SELECTION PROCEDURE

PURPOSE

This procedure presents a method for selecting a site location for drilling. Drill site selection should be based on the project objectives, ease of site access, freedom from obstructions and buried metallic objects (drums) and site safety (appropriate set backs from overhead and buried services).

PROCEDURE

The following procedure outlines procedures prior to drilling activities:

1. Review project objectives and tentatively select drilling locations that provide necessary information for achieving objectives (i.e., Work Plan).

2. Clear locations with property owner/operator to ensure that drilling activities will not interfere with site operations and select appropriate access routes.

3. Stake locations in the field, measure distance from locations to recognizable landmarks, such as building or fence lines and plot locations on site plan. Ensure location is relatively flat, free of overhead wires and readily accessible. Survey location if property ownership is in doubt.

4. Obtain clearances from appropriate utilities and if buried waste/metallic objects are suspected, screen location with appropriate geophysical method.

5. Establish a secure central staging area for storage of drilling supplies and for equipment decontamination. Locate a secure storage area for drilling samples, as necessary.

ATTACHMENTS

none

ROUX

FIELD OPERATING PROCEDURES

Drilling and Excavation Equipment Decontamination Procedures

FOP 018.0

DRILLING AND EXCAVATION EQUIPMENT DECONTAMINATION PROCEDURES

PURPOSE

This procedure is to be used for the decontamination of drilling and excavation equipment (i.e., drill rigs, backhoes, augers, drill bits, drill rods, buckets, and associated equipment) used during a subsurface investigation. The purpose of this procedure is to remove chemical constituents associated with a particular drilling or excavation location from this equipment. This prevents these constituents from being transferred between drilling or excavation locations, or being transported out of controlled areas.

PROCEDURE

The following procedure will be utilized prior to the use of drilling or excavation equipment at each location, and prior to the demobilization of such equipment from the site:

1. Remove all loose soil and other particulate materials from the equipment at the survey site.

2. Wrap augers, tools, plywood, and other reusable items with a plastic cover prior to transport from the site of use to the decontamination facility.

3. Transport equipment to the decontamination facility. All equipment must be decontaminated at an established decontamination facility. This facility will be placed within a controlled area, and will be equipped with necessary features to contain and collect wash water and entrained materials.

4. Wash equipment thoroughly with pressurized low-volume water or steam, supplied by a pressure washer or steam cleaner.

5. If necessary, use a brush or scraper to remove visible soils adhering to the equipment, and a non-phosphate detergent to remove any oils, grease, and/or hydraulic fluids adhering to the equipment. Continue pressure washing until all visible contaminants are removed.

6. Allow equipment to air dry.

7. Store equipment in a clean area or wrap the equipment in new plastic sheeting as necessary to ensure cleanliness until ready for use.

8. Manage all wash waters and entrained solids as described in the Roux Field Operating Procedure for Management of Investigation-Derived Waste.

ATTACHMENTS

none

ROUX

FIELD OPERATING PROCEDURES

Establishing Horizontal and Vertical Control

FOP 021.0

ESTABLISHING HORIZONTAL AND VERTICAL CONTROL

PURPOSE

This guideline presents a method for establishing horizontal and vertical controls at a project site. It is imperative that this procedure be performed accurately, as all topographic and site maps, monitoring well locations and test pit locations will be based on these controls.

PROCEDURE

A. Establishing Horizontal Primary and Project Control

1. Research the State Plan Coordinate, USGS or project site applicable horizontal control monuments.
2. At the project site, recover the above-mentioned monuments, two markers minimum being recovered.
3. Establish control points on the project site by bringing in the primary control points recovered in the field.
4. All control points will be tied into a closed traverse to assure the error of closure.
5. Compute closures for obtaining degree of accuracy to adjust traverse points.

B. Establishing Vertical Primary and Project Control

1. Research project or USGS datum for recovering monument(s) for vertical control if different than those previously found.
2. Recover the monuments in the field, two markers minimum being found.
3. Set the projects benchmarks.
4. Run a level line from the monuments to the set project benchmarks and back, setting turning points on all benchmarks set on site.

5. Reduce field notes and compute error of closure to adjust benchmarks set on site.

6. Prepare the recovery sketches and tabulate a list for horizontal and vertical control throughout project site.

ROUX

FIELD OPERATING PROCEDURES

Groundwater Level Measurement

FOP 022.0

GROUNDWATER LEVEL MEASUREMENT

PURPOSE

This procedure describes the methods used to obtain accurate and consistent water level measurements in monitoring wells, piezometers and well points. Water levels will be measured at monitoring wells and, if practicable, in supply wells to estimate purge volumes associated with sampling, and to develop a potentiometric surface of the groundwater in order to estimate the direction and velocity of flow in the aquifer. Water levels in monitoring wells will be measured using an electronic water level indicator (e-line) that has been checked for operation prior to mobilization.

PROCEDURE

1. Decontaminate the e-line probe and a lower portion of cable following the procedures referenced in the Roux Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination. Store the e-line in a protected area until use. This may include wrapping the e-line in clean plastic until the time of use.

2. Unlock and remove the well protective cap or cover and place on clean plastic.

3. Lower the probe slowly into the monitoring well until the audible alarm sounds. This indicates the depth to water has been reached.

4. Move the cable up and down slowly to identify the depth at which the alarm just begins to sound. Measure this depth against the mark on the lip of the well riser used as a surveyed reference point (typically the north side of the riser).

5. Read depth from the graduated cable to the nearest 0.01 foot. Do not use inches. If the e-line is not graduated, use a rule or tape measure graduated in 0.01-foot increments to measure from the nearest reference mark on the e-line cable.

6. Record the water level on a Water Level Monitoring Record (sample attached).

7. Remove the probe from the well slowly, drying the cable and probe with a clean paper wipe. Be sure to repeat decontamination before use in another well.

8. Replace well plug and protective cap or cover. Lock in place as appropriate.

ATTACHMENTS

Water Level Monitoring Record (sample)

REFERENCES

Roux FOPs:

040 Non-Disposable and Non-Dedicated Sampling Equipment Decontamination

WATER LEVEL MONITORING RECORD

Project Name:	Client:
Project No.:	Location:
Field Personnel:	Date:
Weather:	

Well No.	Time	Top of Riser Elevation (fmsl)	Static Depth to Water (fbTOR)	Groundwater Elevation (fmsl)	Total Depth (fbTOR)	Last Total Depth Measurement (fbTOR)

Comments/Remarks:

PREAPRED BY: DATE:

ROUX

FIELD OPERATING PROCEDURES

Groundwater Purging Procedures Prior to Sample Collection

FOP 023.1

GROUNDWATER PURGING PROCEDURES PRIOR TO SAMPLE COLLECTION

PURPOSE

This procedure describes the methods for monitoring well/piezometer purging prior to groundwater sample collection in order to collect representative groundwater samples. The goal of purging is to remove stagnant, non-representative groundwater from the well and/or prevent stagnant water from entering collected samples. Purging involves the removal of at least three to five volumes of water in wells with moderate yields and at least one well volume from wells with low yields (slow water level recovery).

Purge and sample wells in order of least-to-most contaminated (this is not necessary if dedicated or disposable equipment is used). If you do not know this order, sample the upgradient wells first, then the furthest down-gradient or side-gradient wells, and finally the wells closest to, but down-gradient of the most contaminated area. Sampling should commence immediately following purging or as soon as the well has adequately recharged and not more than 24-hours following end time of evacuation.

PROCEDURE

1. Prepare the electronic water level indicator (e-line) in accordance with the procedures referenced in the Roux Field Operating Procedure for Groundwater Level Measurement and decontaminate the e-line probe and a lower portion of cable following the procedures referenced in the Roux Field Operating Procedure for Non-disposable and Non-dedicated Sampling Equipment Decontamination. Store the e-line in a protected area until use. This may include wrapping the e-line in clean plastic until the time of use.

2. Inspect the interior and exterior of the well/piezometer for signs of vandalism or damage and record condition on the Groundwater Field Form and/or Groundwater Well Inspection Form (samples attached). Specifically, inspect

the integrity of the following: concrete surface seal, lock, protective casing and well cover, well riser and J-plug/cap. Report any irregular findings to the Project Manager.

3. Unlock and remove the well protective cap or cover and place on clean plastic to avoid introducing foreign material into the well.

4. Calibrate the photoionization detector (PID) in accordance with the Roux Field Operating Procedure for Calibration and Maintenance of Portable Photoionization Detector.

5. Monitor the well for organic vapors using a PID, as per the Work Plan. If a reading of greater than 5 ppm is recorded, the well should be allowed to vent until levels drop below 5 ppm before proceeding with purging.

6. Lower the e-line probe slowly into the monitoring well and record the initial water level in accordance with the procedures referenced in the Roux Field Operating Procedure for Groundwater Level Measurement.

7. Following static water level determinations, slowly lower the e-line to the bottom of the well/piezometer. Record the total depth to the nearest 0.01-foot and compare to the previous total depth measurement. If a significant discrepancy exists, re-measure the total depth. Continue with purging activities observing purge water to determine whether the well/piezometer had become silted due to inactivity or damaged (i.e., well sand within purge water). Upon confirmation of the new total depth and determination of the cause (i.e., siltation or damage), notify the Project Manager following field activities.

8. Calculate the volume of water in the well based on the water level below the top of riser and the total depth of the well using the following equation:

$$V = 0.0408[(B)^2 \times \{(A) - (C)\}]$$

Where,

A = Total Depth of Well (feet below measuring point)
B = Casing diameter (inches)
C = Static Water Level (feet below measuring point)

9. **For wells where the water level is 20 feet or less below the top of riser**, a peristaltic pump may be used to purge the well. Measure the purged volume using a calibrated container (i.e., graduated 5-gallon bucket) and record measurements on the attached Groundwater Well Development and Purge Log. Use new and dedicated tubing for each well. During the evacuation of shallow wells, the intake opening of the pump tubing should be positioned just below the surface of the water. As the water level drops, lower the tubing as needed to maintain flow. For higher yielding wells, the intake level should not be lowered past the top of the screen. Pumping from the top of the water column will ensure proper flushing of the well. Continue pumping until the required volumes are removed (typically three well volumes). For higher yielding wells, adjust the purging rate to maintain the water level above the screen. For lower yielding wells or wells where the screen straddles the water table, maintain purging at a rate that matches the rate of recovery of the well (well yield). If the well purges to dryness and is slow to recharge (greater than 15 minutes), terminate evacuation. **A peristaltic pump and dedicated tubing cannot be used to collect VOC or SVOC project-required samples; only non-organic compounds may be collected using this type of pump.**

10. **For wells where the water level is initially below 20 feet,** or drawn down to this level because of slow recharge rate, conduct purging using one of three devices listed below:

- Bailer – A bottom filling dedicated polyethylene bailer attached to a length of dedicated hollow-braid polypropylene rope. Purging a well utilizing a bailer should be conducted smoothly and slowly as not to agitate the groundwater or damage the well.

- Well Wizard Purge Pump (or similar) – This pneumatic bladder pump uses compressed air to push water to the surface. Groundwater is not in contact

with the drive air during the pumping process, therefore the pump may be used for sample collection.

- Submersible Pump (12 or 24 volt, or similar) – These submersible pumps are constructed of PVC or stainless steel and are capable of pumping up to 70 feet from ground surface using a 12 volt battery (standard pump) and standard low flow controller. For depths up to 200 feet from ground surface, a high performance power booster controller is used with a 12 volt battery. Unless these pumps are dedicated to the monitoring well location, decontamination between locations is necessary and an equipment blank may be required.

- Waterra™ Pump – This manually operated pump uses dedicated polyethylene tubing and a check valve that can be used as an optional method for purging deeper wells. The pump utilizes positive pressure to evacuate the well, therefore the pump may be used for sample collection, and however over-agitation groundwater should be avoided.

Prior to use in a well, non-dedicated bailers, exterior pump bodies and pump tubing should be cleaned in accordance with the Roux Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination. Dedicated and/or disposable equipment should be contained within the sealed original manufacturers packaging and certified pre-cleaned by the manufacturer with a non-phosphate laboratory detergent and rinsed using de-ionized water.

8. Purging will continue until a predetermined volume of water has been removed (typically three well volumes) or to dryness. Measurements for pH, temperature, specific conductance, dissolved oxygen (optional), Eh (optional), and turbidity will be recorded following removal of each well volume. Purge the well to dryness or until the readings for indicator parameters listed above (or well-specific indicator parameters) stabilize within the following limits for each parameter measured:

Field Parameter	Stabilization Criteria
Dissolved Oxygen	± 0.3 mg/L
Turbidity	± 10 %
Specific Conductance	± 3 %
Eh	± 10 mV
PH	± 0.1 unit

Stabilization criteria presented within the project Work Plan will take precedence.

DOCUMENTATION AND SAMPLE COLLECTION

This section pertains to the documentation of collected field data during and following purging activities and sample collection.

1. Record all data including the final three stable readings for each indicator parameter on the attached Groundwater Well Purge & Sample Log.

2. Record, at a minimum, the "volume purged," "purging stop-time," "purged dry (Y/N)," "purged below sand pack (Y/N)," and any problems purging on the attached Groundwater Well Purge & Sample Log.

3. Collect groundwater samples in accordance with the Roux Field Operating Procedure for Groundwater Sample Collection. Record "sample flow rate" as an average, "time sample collected," and any other pertinent information related to the sampling event on the attached Groundwater Well Purge & Sample Log.

4. Restore the well to its capped/covered and locked condition.

ALTERNATIVE METHODS

Alternative purging and sampling methods and equipment, other than those described herein are acceptable if they provide representative groundwater samples. The purging and sampling method and equipment must not adversely affect sample integrity, chemistry, temperature, and turbidity. In addition, alternative equipment must have minimal or no effect on groundwater geochemistry, aquifer permeability and well materials. Equipment materials must also minimize sorption and leaching. The field team is responsible for documenting and describing any alternative equipment and procedures used to purge a well and collect samples.

ATTACHMENTS

Groundwater Field Form
Groundwater Well Inspection Form

REFERENCES

Roux FOPs:

011 Calibration and Maintenance of Portable Photoionization Detector
022 Groundwater Level Measurement
024 Groundwater Sample Collection Procedures
040 Non-disposable and Non-dedicated Sampling Equipment Decontamination

FOP 023.1

GROUNDWATER PURGING PROCEDURES PRIOR TO SAMPLE COLLECTION

GROUNDWATER FIELD FORM

Project Name: Date:

Location: Project No.: Field Team:

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

GROUNDWATER WELL INSPECTION FORM

Project:	**WELL I.D.:**
Client:	
Job No.:	
Date:	
Time:	

EXTERIOR INSPECTION

Protective Casing:
Lock:
Hinge/Lid:
Concrete Surface Seal:
Bollards:
Label/I.D.:
Other:

INTERIOR INSPECTION

Well Riser:
Annular Space:
Well Cap:
Water Level (fbTOR):
Total Depth (fbTOR):
Other:

Comments/Corrective Actions:

PREPARED BY: DATE:

ROUX

FIELD OPERATING PROCEDURES

Groundwater Sample Collection Procedures

FOP 024.1

GROUNDWATER SAMPLE COLLECTION PROCEDURES

PURPOSE

This procedure describes the methods for collecting groundwater samples from monitoring wells and domestic supply wells following purging and sufficient recovery. This procedure also includes the preferred collection order in which water samples are collected based on the volatilization sensitivity or suite of analytical parameters required.

PROCEDURE

Allow approximately 3 to 10 days following well development before performing purge and sample activities at any well location. Conversely, perform sampling as soon as practical after sample purging at any time after the well has recovered sufficiently to sample, or within 24 hours after evacuation, if the well recharges slowly. If the well does not yield sufficient volume for all required laboratory analytical testing (including quality control), a decision should be made to prioritize analyses based on contaminants of concern at the site. If the well takes longer than 24 hours to recharge, the Project Manager should be consulted. The following two procedures outline sample collection activities for monitoring and domestic type wells.

Monitoring Wells

1. Purge the monitoring well in accordance with the Roux FOPs for Groundwater Purging Procedures Prior to Sample Collection or Low Flow (Minimal Drawdown) Groundwater Purging & Sampling Procedures. Perform sampling as soon as practical after purging at any time after the well has recovered sufficiently to sample, or within 24 hours after evacuation, if the well recharges slowly. If the well does not yield sufficient volume for all required laboratory analytical testing (including quality control), a decision should be made to prioritize analyses based on contaminants of concern at the site. Analyses will be prioritized in the order of the parameters volatilization sensitivity. After volatile organics have been collected, field parameters

must be measured from the next sample collected. If a well takes longer than 24 hours to recharge, the Project Manager should be consulted.

2. Sampling equipment that is not disposable or dedicated to the well will be decontaminated in accordance with the Roux Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

3. Calibrate all field meters (i.e., pH/Eh, turbidity, specific conductance, dissolved oxygen, PID etc.) in accordance with the Roux Field Operating Procedure for Calibration and Maintenance of the specific field meter.

4. Prepare the electronic water level indicator (e-line) in accordance with the procedures referenced in the Roux Field Operating Procedure for Groundwater Level Measurement and decontaminate the e-line probe and a lower portion of cable following the procedures referenced in the Roux Field Operating Procedure for Non-disposable and Non-dedicated Sampling Equipment Decontamination. Store the e-line in a protected area until use. This may include wrapping the e-line in clean plastic until the time of use.

5. Inspect the well/piezometer for signs of vandalism or damage and record condition on the Groundwater Field Form (sample attached). Specifically, inspect the integrity of the following: concrete surface seal, lock, protective casing and well cover, well casing and J-plug/cap. Report any irregular findings to the Project Manager.

6. Unlock and remove the well protective cap or cover and place on clean plastic to avoid introducing foreign material into the well.

7. Calibrate the photoionization detector (PID) in accordance with the Roux Field Operating Procedure for Calibration and Maintenance of Portable Photoionization Detector.

8. Monitor the well for organic vapors using a PID, as per the Work Plan. If a reading of greater than 5 ppm is recorded, the well should be allowed to vent until levels drop below 5 ppm before proceeding with purging. Record PID measurements on a well-specific Groundwater Field Form (sample attached).

9. Lower the e-line probe slowly into the monitoring well and record the measurement on a well-specific Groundwater Field Form (sample attached).

10. Groundwater samples will be collected directly from the sampling valve on the flow through cell (low-flow), discharge port of a standard pump assembly (peristaltic, pneumatic, submersible, or Waterra™ pump) or bailer (stainless steel, PVC or polyethylene) into appropriate laboratory provided containers. In low-yielding wells at which the flow through cell is not used, the samples may be collected using a disposable bailer. **A peristaltic pump and dedicated tubing cannot be used to collect VOC or SVOC project-required samples; only non-organic compounds may be collected using this type of pump.**

11. If disposable polyethylene bailers are used, the bailer should be lowered *slowly* below the surface of the water to minimize agitation and volatilization. For wells that are known to produce turbid samples (values greater than 50 NTU), the bailer should be lowered and retrieved at a rate that limits surging of the well.

12. Sampling data will be recorded on a Groundwater Field Form (sample attached).

13. Pre-label all sample bottles in the field using a waterproof permanent marker in accordance with the Roux Sample Labeling, Storage, and Shipment FOP. The following information, at a minimum, should be included on the label:

    - Project Number;
    - Sample identification code (as per project specifications);
    - Date of sample collection (mm, dd, yy);
    - Time of sample collection (military time only) (hh:mm);
    - Specify "grab" or "composite" sample type;
    - Sampler initials;
    - Preservative(s) (if applicable); and
    - Analytes for analysis (if practicable).

14. Collect a separate sample of approximately 200 ml into an appropriate container prior to collecting the first and following the last groundwater sample collected to measure the following field parameters:

Parameter	Units
Dissolved Oxygen	parts per million (ppm)
Specific Conductance	μmhos/cm or μS or mS
pH	pH units
Temperature	^{o}C or ^{o}F
Turbidity	NTU
Eh (*optional*)	mV
PID VOCs (*optional*)	ppm

Record all field measurements on a Groundwater Field Form (sample attached).

15. Collect samples into pre-cleaned bottles provided by the analytical laboratory with the appropriate preservative(s) added based on the volatilization sensitivity or suite of analytical parameters required, as designated in the **Sample Collection Order** section below.

16. Lower the e-line probe slowly into the monitoring well and record the measurement on a well-specific Groundwater Field Form (sample attached).

17. The samples will be labeled, stored, and shipped in accordance with the Roux Field Operating Procedure for Sample Labeling, Storage, and Shipment Procedures.

Domestic Supply Wells

1. Calculate or estimate the volume of water in the well. It is desirable to purge at least one casing volume before sampling. This is controlled, to some extent, by the depth of the well, well yield and the rate of the existing pump. If the volume of water in the well cannot be calculated, the well should be purged continuously for no less than 15 minutes.

2. Connect a sampling tap to an accessible fitting between the well and the pressure tank where practicable. A hose will be connected to the device and the hose discharge located 25 to 50 feet away. The well will be allowed to pump until the lines and one

well volume is removed. Flow rate will be measured with a container of known volume and a stopwatch.

3. Place a clean piece of polyethylene or Teflon™ tubing on the sampling port and collect the samples in the order designated below and in the sample containers supplied by the laboratory for the specified analytes. ***DO NOT*** use standard garden hose to collect samples.

4. Sampling results and measurements will be recorded on a Groundwater Field Form (sample attached) as described in the previous section.

5. Collect samples into pre-cleaned bottles provided by the analytical laboratory with the appropriate preservative(s) added based on the volatilization sensitivity or suite of analytical parameters required, as designated in the **Sample Collection Order** section below.

6. The samples will be labeled, stored, and shipped in accordance with the Roux Field Operating Procedure for Sample Labeling, Storage, and Shipment Procedures.

SAMPLE COLLECTION ORDER

All groundwater samples, from monitoring wells and domestic supply wells, will be collected in accordance with the following.

1. Samples will be collected preferentially in recognition of volatilization sensitivity. The preferred order of sampling if no free product is present is:

    - Field parameters
    - Volatile Organic Compounds (VOCs)
    - Purgeable organic carbons (POC)
    - Purgeable organic halogens (POH)
    - Total Organic Halogens (TOX)
    - Total Organic Carbon (TOC)
    - Extractable Organic Compounds (i.e., BNAs, SVOCs, etc.)
    - Total petroleum hydrocarbons (TPH) and oil and grease

- PCBs and pesticides
- Total metals (Dissolved Metals)
- Total Phenolic Compounds
- Cyanide
- Sulfate and Chloride
- Turbidity
- Nitrate (as Nitrogen) and Ammonia
- Preserved inorganics
- Radionuclides
- Unpreserved inorganics
- Bacteria
- Field parameters

2. Document the sampling procedures and related information in the Project Field Book and on a Groundwater Field Form (sample attached).
3. 1,4-dioxane will be analyzed via the 8270 SIM method.

DOCUMENTATION

The three words used to ensure adequate documentation for groundwater sampling are accountability, controllability, and traceability. Accountability is undertaken in the sampling plan and answers the questions who, what, where, when, and why to assure that the sampling effort meets its goals. Controllability refers to checks (including QA/QC) used to ensure that the procedures used are those specified in the sampling plan. Traceability is documentation of what was done, when it was done, how it was done, and by whom it was done, and is found in the field forms, Project Field Book, and chain-of-custody forms. At a minimum, adequate documentation of the sampling conducted in the field consists of an entry in the Project Field Book (with sewn binding), field data sheets for each well, and a chain-of-custody form.

As a general rule, if one is not sure whether the information is necessary, it should nevertheless be recorded, as it is impossible to over-document one's fieldwork. Years may go by before the documentation comes under close scrutiny, so the documentation must be capable of defending the sampling effort without the assistance or translation of the sampling crew.

The minimum information to be recorded daily with an indelible pen in the Project Field Book and/or field data sheets includes date and time(s), name of the facility, name(s) of the sampling crew, site conditions, the wells sampled, a description of how the sample shipment was handled, and a QA/QC summary. After the last entry for the day in the Project Field Book, the Field Team Leader should sign the bottom of the page under the last entry and then draw a line across the page directly under the signature.

PRECAUTIONS/RECOMMENDATIONS

The following precautions should be adhered to prior to and during sample collection activities:

- Field vehicles should be parked downwind (to avoid potential sample contamination concerns) at a minimum of 15 feet from the well and the engine turned off prior to PID vapor analysis and VOC sample collection.

- Ambient odors, vehicle exhaust, precipitation, or windy/dusty conditions can potentially interfere with obtaining representative samples. These conditions should be minimized and should be recorded in the field notes. Shield sample bottles from strong winds, rain, and dust when being filled.

- The outlet from the sampling device should discharge below the top of the sample's air/water interface, when possible. The sampling plan should specify

how the samples will be transferred from the sample collection device to the sample container to minimize sample alterations.

- The order of sampling should be from the least contaminated to the most contaminated well to reduce the potential for cross contamination of sampling equipment (see the Sampling Plan or Work Plan).

- Samples should not be transferred from one sampling container to another.

- Sampling equipment must not be placed on the ground, because the ground may be contaminated and soil contains trace metals. Equipment and supplies should be removed from the field vehicle only when needed.

- Smoking and eating should not be allowed until the well is sampled and hands are washed with soap and water, due to safety and possibly sample contamination concerns. These activities should be conducted beyond a 15-foot radius of the well.

- No heat-producing or electrical instruments should be within 15 feet of the well, unless they are intrinsically safe, prior to PID vapor analysis.

- Minimize the amount of time that the sample containers remain open.

- Do not touch the inside of sample bottles or the groundwater sample as it enters the bottle. Disposable gloves may be a source of phthalates, which could be introduced into groundwater samples if the gloves contact the sample.

- Sampling personnel should use a new pair of disposable gloves for each well sampled to reduce the potential for exposure of the sampling personnel to contaminants and to reduce sample cross contamination. In addition, sampling personnel should change disposable gloves between purging and sampling operations at the same well.

- Sampling personnel should not use perfume, insect repellent, hand lotion, etc., when taking groundwater samples. If insect repellent must be used, then sampling personnel should not allow samples or sampling equipment to contact the

repellent, and it should be noted in the documentation that insect repellent was used.

- Complete the documentation of the well. A completed assemblage of paperwork for a sampling event includes the completed field forms, entries in the Project Field Book (with a sewn binding), transportation documentation (if required), and possibly chain-of-custody forms.

ATTACHMENTS

Groundwater Field Form (sample)

REFERENCES

1. Wilson, Neal. *Soil Water and Ground Water Sampling*, 1995

Roux FOPs:

007 Calibration and Maintenance of Portable Dissolved Oxygen Meter
008 Calibration and Maintenance of Portable Field pH/Eh Meter
009 Calibration and Maintenance of Portable Field Turbidity Meter
011 Calibration and Maintenance of Portable Photoionization Detector
012 Calibration and Maintenance of Portable Specific Conductance Meter
022 Groundwater Level Measurement
023 Groundwater Purging Procedures Prior to Sample Collection (optional)
031 Low Flow (Minimal Drawdown) Groundwater Purging & Sampling Procedures (optional)
040 Non-Disposable and Non-Dedicated Sampling Equipment Decontamination
046 Sample Labeling, Storage and Shipment Procedures

GROUNDWATER FIELD FORM

Project Name: Date:

Location: Project No.: Field Team:

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

ROUX

FIELD OPERATING PROCEDURES

PFAS Groundwater/Surface Water Sample Collection Procedures

FOP 024.3

PFAS GROUNDWATER/ SURFACE WATER SAMPLE COLLECTION PROCEDURES

PURPOSE

This procedure describes the methods for collecting per-and polyfluoroalkyl substances (PFAS) groundwater samples from monitoring wells, following purging and sufficient recovery, and surface water locations. This procedure is specific to sites where PFAS sample analysis is required, and analysis specific collection and handling procedures are needed. PFAS sample analysis will be completed when Site analysis requires sampling of the full TAL/TCL analyte list. This field operating procedure (FOP) describes the personal protective equipment (PPE) and sampling equipment/materials appropriate for PFAS sample collection. PFAS laboratory analysis is performed using extremely low detection limits (parts per trillion). Therefore, cross contamination from potential sources (i.e., field equipment, consumer products) must be minimized to the extent possible.

PROCEDURE

Prior to sampling, discuss with the Site's Project Manager whether the monitoring wells that are to be sampled for the PFAS analytical parameters are new monitoring wells or existing monitoring wells. The specific handing and collection procedures for PFAS sampling are solely based on job preparation and sampling equipment used for the job. The standard practice of a 10 volume surge and purge of a newly installed monitoring well for development as discussed in Roux's FOP 036.0 – Monitoring Well Development Procedures and three volume well purge and/or low flow sampling that are discussed in Roux's FOP 023.1 – Groundwater Procedures Prior to Sample Collection remain the same. FOP 064.0 – Surface Water Sampling Procedures remains the same with the exceptions made in this FOP for PFAS sampling. The field sampling personnel must be prepared with appropriate clothing, equipment, and sampling containers for PFAS sampling as discussed below.

FIELD CLOTHING

Unacceptable Field Clothing

- No Gore-Tex®, this includes but not limited to boots, gloves, coveralls, hats, and coats.
- No Tyvex®, this includes but not limited to coveralls, boots, hoods and head coverings. Tyvex® is also found in everyday items such as envelopes, receipts, and adhesives.
- No clothes, jackets, boots, or gloves that have been pretreated with Teflon® water proofing. Teflon® can be found in everyday items such as scissors, plumbers' tape, adhesive tapes, Teflon ® paper for crafting and cookware utensils.
- No clothing that has been waterproofed with PFAS materials
- No brand-new unwashed cotton clothing.
- Clothing that has been washed with fabric softeners prior to sampling.

Acceptable Field Clothing

- Well-worn, washed clothes, jackets, hats, and coveralls without fabric softener usage.
- Rain Gear made from PVC, polyurethane, or rubber only (it cannot contain any of the products listed above).
- Disposable powder free nitrile gloves.

FIELD EQUIPMENT

Unacceptable Field Equipment

- Sampling Equipment containing Teflon® or Low-Density Polyethylene (LDPE). Sampling equipment that may contain these materials include submersible pumps, bailers, tubing, braided poly rope or cord, fishing line.

- No LDPE or glass lined sampling containers, or Teflon®-lined caps.
- Waterproof field books, binders, plastic clip boards, spiral hard cover notebooks.
- No adhesives or permanent makers can be used (i.e., Post-It® notes and Sharpies).
- No Aluminum foil or sampling tins.
- No blue ice packs
- Avoid using paper towels

Acceptable Field Equipment

- Sampling Equipment made from High Density Polyethylene (HDPE), stainless steel, acetate, silicon, or polypropylene.
- Sampling Containers made from HDPE polypropylene

Acceptable Field Equipment (continued)

- Sampling Equipment (i.e. bailers) made from Poly Vinyl Chloride (PVC)
- Nylon rope/twine
- Ice
- Alconox

ADDITIONAL PROCEDURES

- Keep all bottle ware in a dedicated cooler containing only PFAS sample containers.
- Avoid consumption of food or drink prior to and during the sampling event.
- Do not apply cosmetics or moisturizers prior to sampling.

- Do not use standard commercial sunscreen or insect repellents. Use only all natural or organic products.
- Collect PFAS sample from each location prior to collecting other samples for analysis to avoid contact with other sample containers and packing materials.
- New disposable nitrile gloves will be donned at each sampling location.
- Don new disposable nitrile gloves while handling empty sample containers, filling sampling containers, sealing sample containers, and placing containers into sampling coolers.
- Single use (dedicated) or disposable sampling equipment is preferred when multiple locations are sampled.
- Perform a standard two-step decontamination using Alconox detergent and laboratory provided PFAS-free water for all non-dedicated sampling equipment.
- Equipment blanks should be comprised of laboratory provided PFAS-free water. The water should be poured over and/or brought into direct contact with all sampling equipment (bailer, rope, tubing, gloves, water level meter, etc.). The equipment blank will then be sealed and returned to the sample cooler. One equipment blank will be collected each day PFAS samples are collected, or once every 20 samples, whichever is more frequent. Additional equipment blanks may be collected as needed.
- One field duplicate and one matrix spike/matrix spike duplicate (MS/MSD) will be collected for every 20 samples.
- Field blanks should be comprised of laboratory provided PFAS-free water. The field blank should be uncapped and placed near the field crew while purging/sampling preparations take place (i.e. prepare bottle set, calibrate groundwater quality meters, prepare bailers for sampling, etc.). The intent of the uncapped blank is to capture any ambient PFAS compounds that may emanate from the field crew or equipment during typical preparations associated with groundwater/surface water sampling. The field blank will then be capped and returned to the sample cooler.

ATTACHMENTS

Groundwater Field Form (sample)
Surface Water Quality Field Collection Log (Sample)

REFERENCES

Roux FOPs:

036.0 Monitoring Well Development Procedures
023.1 Groundwater Purging Procedures Prior to Sample Collection
064.0 Surface Water Sampling Procedures

GROUNDWATER FIELD FORM

Project Name: Date:

Location: Project No.: Field Team:

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

SAMPLE

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

SURFACE WATER
QUALITY FIELD COLLECTION LOG

PROJECT INFORMATION

Project Name:
Project No.:
Client:

SAMPLE DESCRIPTION

I.D.:
Matrix:
Location:

SAMPLE INFORMATION

Date Collected:
Time Collected:
Date Shipped to Lab:
Collected By:
Sample Collection Method:

LABORATORY ANALYSIS

SAMPLING INFORMATION

Weather:
Air Temperature:
Depth of Sample:

Parameter	First	Last	Units
pH			units
Temp.			°C
Cond.			mS
Turbidity			NTU
Eh			mV
D.O.			ppm
Odor			olfactory
Appearance			visual

LOCATION SKETCH

(not to scale, dimensions are approximate)

EXACT LOCATION (if applicable)

Northing (ft)	Easting (ft)	Surface Elevation (fmsl)

ADDITIONAL LABORATORY ANALYSIS:

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

ROUX

FIELD OPERATING PROCEDURES

Hand Augering Procedures

FOP 025.0

HAND AUGERING PROCEDURES

PURPOSE

This guideline presents a method for hand augering, which enables the recovery of representative surface and shallow subsurface samples for classification and sample collection (ASTM D1452).

PROCEDURE

1. Review project objectives and the Project Health and Safety Plan (HASP).

2. Follow Roux's FOP: Drill Site Selection Procedure prior to implementing any hand augering activity.

3. Establish a central staging area for storage of augering supplies and for equipment decontamination (include plastic-covered work bench/table as necessary). Locate a secure storage area for augered samples.

4. Assemble auger and decontaminate in accordance with Roux's FOP: Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

5. Cover the area to be sampled with plastic sheeting, as determined by the Project Work Plan.

6. Make the auger boring through the plastic sheeting by rotating and advancing the auger to the desired depth below ground surface.

7. Withdraw the auger from the hole and remove soil for examination, soil classification, on-site testing (if applicable) and laboratory physical/chemical sample collection (if applicable) in accordance with specific Roux FOPs (Soil Description Procedures Using the Unified Soil Classification System; Composite Sample Collection Procedure for Non-Volatile Organic Analysis; and/or Soil Sample Handling for VOC Analysis) and as directed by the Project Work Plan.

8. Document all properties and sample locations in the Project Field Book and Hand Auger Borehole Log (sample attached). Specifically, total depth, borehole diameter, depth of sample collection, personnel, etc. should be recorded.

9. Place sample in appropriate container(s), label and store for future reference or ship to laboratory for analysis in accordance with Roux's Field Operating Procedure for Sample Labeling, Storage and Shipment.

10. Decontaminate auger in accordance with Roux's Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

11. Advance auger to next sample interval and repeat steps 7 through 12 as necessary.

12. Backfill auger holes in accordance with approved procedures outlined in the Project Work Plan.

ATTACHMENTS

Hand Auger Borehole Log (sample)

REFERENCES

Roux FOPs:

013 Composite Sample Collection Procedure for Non-Volatile Organic Analysis
017 Drill Site Selection Procedure
040 Non-Disposable and Non-Dedicated Sampling Equipment Decontamination
046 Sample Labeling, Storage and Shipment
054 Soil Description Procedures Using the Unified Soil Classification System
057 Soil Sample Handling for Volatile Organic Compound Analysis – Encore Sampling

FOP 025.0

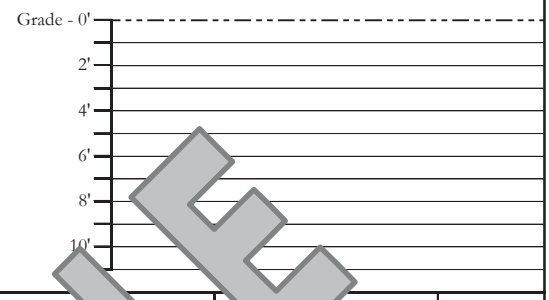
HAND AUGERING PROCEDURES

HAND AUGER BOREHOLE LOG

Project:	BOREHOLE I.D.:
Project No.:	Excavation Date:
Client:	Excavation Method:
Location:	Logged / Checked By:

Hand Auger Location: *NOT TO SCALE*

Hand Auger Cross Section:



TIME	BOREHOLE DIMENSIONS	
Start:	Diameter:	(approx.)
End:	Depth:	(approx.)

Depth (fbgs)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condi… …, Te… Plasticity, Fabric, Bedding, Weather… /Fra… O… …ther	…pm)	Photos Y / N	Samples Collected (fbgs)

COMMENTS:			
GROUNDWATER ENCOUNTERED:	yes	no	If yes, depth to GW:
VISUAL IMPACTS:	yes	no	Describe:
OLFACTORY OBSERVATIONS:	yes	no	Describe:
NON-NATIVE FILL ENCOUNTERED:	yes	no	
OTHER OBSERVATIONS:	yes	no	Describe:
SAMPLES COLLECTED:	yes	no	Sample I.D.:
			Sample I.D.:
			Sample I.D.:

ROUX

FIELD OPERATING PROCEDURES

Hollow Stem Auger Drilling Procedures

FOP 026.1

HOLLOW STEM AUGER (HSA) DRILLING PROCEDURES

PURPOSE

This guideline presents a method for drilling a borehole through unconsolidated materials, including soils or overburden, and consolidated materials, including bedrock.

PROCEDURE

The following procedure will be used to drill a borehole for sampling and/or well installation, using hollow-stem auger methods and equipment.

1. Follow Roux's Field Operating Procedure for Drill Site Selection Procedure prior to implementing any drilling activity.

2. Perform drill rig safety checks with the driller by completing the Drilling Safety Checklist form (sample attached).

3. Conduct tailgate health and safety meeting with project team and drillers by completing the Tailgate Safety Meeting Form.

4. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures (i.e., PID, FID, combustible gas meter) or manufacturer's recommendations for calibration of field meters (i.e., DataRAM 4 Particulate Meter).

5. Ensure all drilling equipment (i.e., augers, rods, split-spoons) appear clean and free of soil prior to initiating any subsurface intrusion. Decontamination of drilling equipment should be in accordance with Roux's FOP: Drilling and Excavation Equipment Decontamination Procedures.

6. Mobilize the auger rig to the site and position over the borehole.

7. Level and stabilize the rig using the rig jacks, and recheck the rig location against the planned drilling location. If necessary, raise the jacks and adjust the rig position.

8. Place a metal or plywood auger pan over the borehole location to collect the auger cuttings. This auger pan will be equipped with a 12-inch nominal diameter hole for auger passage. As an alternative, a piece of polyethylene tarp may be used as a substitute.

9. Advance augers into the subsurface. For sampling or pilot-hole drilling, nominal 8-inch outside diameter (OD) augers should be used. The boring diameter will be approved by the Roux field supervisor.

10. Collect soil samples via split spoon sampler in accordance with Roux's Field Operating Procedure for Split Spoon Sampling.

11. Check augers periodically during drilling to ensure the boring is plumb. Adjust rig position as necessary to maintain plumb.

12. Continue drilling until reaching the assigned total depth, or until auger refusal occurs. Auger refusal is when the drilling penetration drops below 0.1 feet per 10 minutes, with the full weight of the rig on the auger bit, and a center bit (not center plug) in place.

13. Plug and abandon boreholes not used for well installation in accordance with Roux's Field Operating Procedure for Abandonment of Borehole.

OTHER PROCEDURAL ISSUES

- Slip rings may be used for lifting a sampling or bit string. The string will not be permitted to extend more than 15 feet above the mast crown.

- Borings will not be over drilled (rat holed) without the express permission of the Roux field supervisor. All depth measurements should be accurate to the nearest 0.1 foot, to the extent practicable.

- Potable water may be placed in the auger stem if critically necessary for borehole control or to accomplish sampling objectives and must be approved by the Roux Project Manager and/or NYSDEC Project Manager. Upon approval,

the potable water source and quantity used will be documented in the Project Field Book and subsequent report submittal.

ATTACHMENTS

Drilling Safety Checklist (sample)
Tailgate Safety Meeting Form (sample)

REFERENCES

Roux FOPs:

001 *Abandonment of Borehole Procedures*
010 *Calibration and Maintenance of Portable Flame Ionization Detector*
011 *Calibration and Maintenance of Portable Photoionization Detector*
017 *Drill Site Selection Procedure*
018 *Drilling and Excavation Equipment Decontamination Procedures*
058 *Split Spoon Sampling Procedures*

DRILLING SAFETY CHECKLIST

Project: **Supplemental Phase II RFI/ICMs**	Date:
Project No.: **0041-009-500**	Drilling Company:
Client: **RealCo., Inc.**	Drill Rig Type:

ITEMS TO CHECK	OK	ACTION NEEDED
"Kill switches" installed by the manufacturer are in operable condition and all workers at the drill site are familiar with their location and how to activate them?		
"Kill switches" are accessible to workers on both sides of the rotating stem? NOTE: Optional based on location and number of switches provided by the manufacturer.		
Cables on drill rig are free of kinks, frayed wires, "bird cages" and worn or missing sections?		
Cables are terminated at the working end with a proper eye splice, either swaged Coupling or using cable clamps?		
Cable clamps are installed with the saddle on the live or load side? Clamps should not be alternated and should be of the correct size and number for the cable size to which it is installed. Clamps are complete with no missing parts?		
Hooks installed on hoist cables are the safety type with a functional latch to prevent accidental separation?		
Safety latches are functional and completely span the entire throat of the hook and have positive action to close the throat except when manually displaced for connecting or disconnecting a load?		
Drive shafts, belts, chain drives and universal joints shall be guarded to prevent accidental insertion of hands and fingers or tools?		
Outriggers shall be extended prior to and whenever the boom is raised off its cradle. Hydraulic outriggers must maintain pressure to continuously support and stabilize the drill rig even while unattended.		
Outriggers shall be properly supported on the ground surface to prevent settling into the soil.		
Controls are properly labeled and have freedom of movement. Controls should not be blocked or locked in an active position.		
Safeties on any device shall not be bypassed or neutralized.		
Controls shall be operated smoothly and cables and lifting devices shall not be jerked or operated erratically to overcome resistance.		
Slings, chokers and lifting devices are inspected before using and are in proper working order? Damaged units are removed from service and are properly tagged?		
Shackles and clevises are in proper working order and pins and screws are fully inserted before placing under a load?		
High-pressure hoses have a safety (chain, cable or strap) at each end of the hose section to prevent whipping in the event of a failure?		
Rotating parts of the drill string shall be free of sharp projections or hooks, which could entrap clothing or foreign objects?		
Wire ropes should not be allowed to bend around sharp edges without cushion material.		
The exclusion zone is centered over the borehole and the radius is equal or greater than the boom height?		

ITEMS TO CHECK	OK	ACTION NEEDED

DRILLING SAFETY CHECKLIST

Project: **Supplemental Phase II RFI/ICMs** Date:

Project No.: **0041-009-500** Drilling Company:

Client: **RealCo., Inc.** Drill Rig Type:

ITEMS TO CHECK	OK	ACTION NEEDED
The work area around the borehole shall be kept clear of trip hazards and walking surfaces should be free of slippery material.		
Workers shall not proceed higher than the drilling deck without a fall restraining device and must attach the device in a manner to restrict fall to less than 6 feet.		
A fire extinguisher of appropriate size shall be immediately available to the drill crew. The drill crew shall have received annual training on proper use of the fire extinguisher.		
29 CFR 1910.333 © (3) Except where electrical distribution and transmission lines have been de-energized and visibly grounded, drill rigs will be operated proximate to, under, by, or near power lines only in accordance with the following: .333 © (3) (ii) 50 kV or less -minimum clearance is 10 ft. For 50 kV or over - 10ft. Plus ½ in. For each additional kV Roux **Policy: Maintain 20 feet clearance**		
29 CFR 1910.333 © (3) (iii) While the rig is in transit with the boom in the down position, clearance from energized power lines will be maintained as follows: Less than 50 kV - 4 feet 50 to 365 kV - 10 feet 365 to 720 kV - 16 feet		

Name: _____ (printed)

Signed: _____ Date: _____

FOP 026.1

HOLLOW STEM AUGER (HSA) DRILLING PROCEDURES

TAILGATE SAFETY MEETING FORM

Project Name: Date: Time:
Project Number: Client:
Work Activities:

HOSPITAL INFORMATION:

Name:
Address: *City:* *State:* *Zip:*
Phone No.: *Ambulance Phone No.*

SAFETY TOPICS PRESENTED:

Chemical Hazards:

Physical Hazards: Slips, Trips, Falls

PERSONAL PROTECTIVE EQUIPMENT:

Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D

New Equipment:

Other Safety Topic (s): Environmental Hazards (aggressive fauna)
Eating, drinking, use of tobacco products is prohibited in the Exclusion Zone (EZ)

ATTENDEES

Name Printed	Signatures

Meeting conducted by:

ROUX

FIELD OPERATING PROCEDURES

Low-Flow (Minimal Drawdown) Groundwater Purging & Sampling Procedure

FOP 031.2

LOW FLOW (MINIMAL DRAWDOWN) GROUNDWATER PURGING & SAMPLING PROCEDURES

PURPOSE

This procedure describes the methods used for performing low flow (minimal drawdown) purging, also referred to as micro-purging, at a well prior to groundwater sampling to obtain a representative sample from the water-bearing zone. This method of purging is used to minimize the turbidity of the produced water. This may increase the representativeness of the groundwater samples by avoiding the necessity of filtering suspended solids in the field prior to preservation of the sample.

Well purging is typically performed immediately preceding groundwater sampling. The sample should be collected as soon as the parameters measured in the field (i.e., pH, specific conductance, dissolved oxygen, Eh, temperature, and turbidity) have stabilized.

PROCEDURE

Allow approximately 3 to 10 days following well development for groundwater to return to static conditions before performing low-flow purge and sample activities at any well location. Conversely, perform low-flow sampling as soon as purged groundwater has stabilized. If the well does not yield sufficient volume (i.e., cannot maintain a constant water level during purging) for low-flow purge and sampling, then an alternative method must be performed in accordance with Roux's Groundwater Purging Procedures Prior to Sample Collection FOP.

1. Water samples should not be taken immediately following well development. Sufficient time should be allowed to stabilize the groundwater flow regime in

the vicinity of the monitoring well. This lag time will depend on site conditions and methods of installation but may exceed one week.

2. Prepare the electronic water level indicator (e-line) in accordance with the procedures referenced in the Roux's Groundwater Level Measurement FOP and decontaminate the e-line probe and a lower portion of cable following the procedures referenced in the Roux's Non-disposable and Non-dedicated Sampling Equipment Decontamination FOP. Store the e-line in a protected area until use. This may include wrapping the e-line in clean plastic until the time of use.

3. Calibrate all sampling devices and monitoring equipment in accordance with manufacturer's recommendations, the site Quality Assurance Project Plan (QAPP) and/or Field Sampling Plan (FSP). Calibration of field instrumentation should be followed as specified in Roux's Calibration and Maintenance FOP for each individual meter.

4. Inspect the well/piezometer for signs of vandalism or damage and record condition on the Groundwater Field Form (sample attached). Specifically, inspect the integrity of the following: concrete surface seal, lock, protective casing and well cover, well casing and J-plug/cap. Report any irregular findings to the Project Manager.

5. Unlock and remove the well protective cap or cover and place on clean plastic to avoid introducing foreign material into the well.

6. Monitor the well for organic vapors using a PID, as per the Work Plan. If a reading of greater than 5 ppm is recorded, the well should be allowed to vent until levels drop below 5 ppm before proceeding with purging.

7. Lower the e-line probe slowly into the monitoring well and record the initial water level in accordance with the procedures referenced in Roux's Groundwater Level Measurement FOP. Refer to the construction diagram for the well to identify the screened depth.

8. Decontaminate all non-dedicated pump and tubing equipment following the procedures referenced in the Roux's Non-disposable and Non-dedicated Sampling Equipment Decontamination FOP.

9. Lower the purge pump or tubing (i.e., low-flow electrical submersible, peristaltic, etc.) slowly into the well until the pump/tubing intake is approximately in the middle of the screened interval. Rapid insertion of the pump will increase the turbidity of well water, and can increase the required purge time. This step can be eliminated if dedicated tubing is already within the well.

   Placement of the pump close to the bottom of the well will cause increased entrainment of solids, which may have settled in the well over time. Low-flow purging has the advantage of minimizing mixing between the overlying stagnant casing water and water within the screened interval. The objective of low-flow purging is to maintain a purging rate, which minimizes stress (drawdown) of the water level in the well. Low-flow refers to the velocity with which water enters the pump intake and that is imparted to the formation pore water in the immediate vicinity of the well screen.

10. Lower the e-line back down the well as water levels will be frequently monitored during purge and sample activities.

11. Begin pumping to purge the well. The pumping rate should be between 100 and 500 milliliters (ml) per minute (0.03 to 0.13 gallons per minute) depending on site hydrogeology. Periodically check the well water level with the e-line adjusting the flow rate as necessary to stabilize drawdown within the well. If possible, a steady flow rate should be maintained that results in a stabilized water level (drawdown of 0.3 feet or less). If the water level exceeds 2 feet below static and declining, slow the purge rate until the water level generally stabilizes. Record each pumping rate and water level during the event. If the water level continues to drop and will not stabilize, the monitoring location is not conducive to low-flow sampling and conventional purge and sample methods should be performed.

The low flow rate determined during purging will be maintained during the collection of analytical samples. At some sites where geologic heterogeneities are sufficiently different within the screened interval, high conductivity zones may be preferentially sampled.

12. Measure and record field parameters (pH, specific conductance, Eh, dissolved oxygen (DO), temperature, and turbidity) during purging activities. In lieu of measuring all of the parameters, a minimum subset could be limited to pH, specific conductance, and turbidity or DO. A reduction in the field parameter list must be approved by the Project Manager and/or the NYSDEC Project Manager.

    Water quality indicator parameters should be used to determine purging needs prior to sample collection in each well. Stabilization of indicator parameters should be used to determine when formation water is first encountered during purging. In general, the order of stabilization is pH, temperature, and specific conductance, followed by Eh, DO and turbidity. Performance criteria for determination of stabilization should be based on water-level drawdown, pumping rate and equipment specifications for measuring indicator parameters. An in-line flow through cell to continuously measure the above parameters may be used. The in-line device should be disconnected or bypassed during sample collection.

13. Purging will continue until parameters of water quality have stabilized or at least a minimum of three (3) well volumes have been removed. Record measurements for field indicator parameters (including water levels) at regular intervals during purging. The stability of these parameters with time can be used to guide the decision to discontinue purging. Proper adjustments must be made to stabilize the flow rate as soon as possible.

14. Record well purging and sampling data in the Project Field Book or on the Groundwater Field Form (sample attached). Measurements should be taken approximately every three to five minutes, or as merited given the rapidity of change.

15. Purging is complete when field indicator parameters stabilize. Stabilization is achieved after all field parameters have stabilized for three successive readings. Three successive readings should be within ± 0.1 units for pH, ± 3% for specific conductance, ± 10 mV for Eh, and ± 10% for turbidity and dissolved oxygen. These stabilization guidelines are provided for rough estimates only, actual site-specific knowledge may be used to adjust these requirements higher or lower.

    An in-line water quality measurement device (e.g., flow-through cell) should be used to establish the stabilization time for several field parameters on a well-specific basis. Data on pumping rate, drawdown, and volume required for parameter stabilization can be used as a guide for conducting subsequent sampling activities.

16. Collect all project-required samples from the discharge tubing at the flow rate established during purging in accordance with Roux's Groundwater Sample Collection Procedures FOP. **A peristaltic pump and dedicated tubing cannot be used to collect VOC or SVOC project-required samples; only non-organic compounds may be collected using this type of pump.** Continue to maintain a constant flow rate such that the water level is not drawn down as described above. Fill sample containers with minimal turbulence by allowing the ground water to flow from the tubing along the inside walls of the container.

17. If field filtration is recommended as a result of increased turbidity greater than 50 NTU, an in-line filter equipped with a 0.45-micron filter should be utilized. Collection of a filtered sample must be accompanied by an unfiltered sample.

18. Replace the dedicated tubing down the well taking care to avoid contact with the ground surface.

19. Restore the well to its capped/covered and locked condition.

20. Upon purge and sample collection completion, slowly lower the e-line to the bottom of the well/piezometer. Record the total depth to the nearest 0.01-

foot and compare to the previous total depth measurement. If a significant discrepancy exists, re-measure the total depth. Record observations of purge water to determine whether the well/piezometer had become silted due to inactivity or damaged (i.e., well sand within purge water). Upon confirmation of the new total depth and determination of the cause (i.e., siltation or damage), notify the Project Manager following project field activities.

ATTACHMENTS

Groundwater Field Form (sample)

REFERENCES

United States Environmental Protection Agency, 540/S-95/504, 1995. *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures*.

Roux FOPs:

007 Calibration and Maintenance of Portable Dissolved Oxygen Meter
008 Calibration and Maintenance of Portable Field pH/Eh Meter
009 Calibration and Maintenance of Portable Field Turbidity Meter
011 Calibration and Maintenance of Portable Photoionization Detector
012 Calibration and Maintenance of Portable Specific Conductance Meter
022 Groundwater Level Measurement
024 Groundwater Sample Collection Procedures
040 Non-Disposable and Non-Dedicated Sampling Equipment Decontamination
046 Sample Labeling, Storage and Shipment Procedures

LOW FLOW (MINIMAL DRAWDOWN) GROUNDWATER PURGING & SAMPLING PROCEDURES

GROUNDWATER FIELD FORM

Project Name: Date:

Location: Project No.: Field Team:

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

ROUX

FIELD OPERATING PROCEDURES

Management of Investigative-Derived Waste (IDW)

FOP 032.1

MANAGEMENT OF INVESTIGATION-DERIVED WASTE (IDW)

PURPOSE

The purpose of these guidelines is to ensure the proper holding, storage, transportation, and disposal of materials generated from field investigation activities that may contain hazardous wastes. Investigation-derived waste (IDW) includes the following:

- Drill cuttings, discarded soil samples, drilling mud solids, and used sample containers.
- Well development and purge waters and discarded groundwater samples.
- Decontamination waters and associated solids.
- Soiled disposable personal protective equipment (PPE).
- Used disposable sampling equipment.
- Used plastic sheeting and aluminum foil.
- Other equipment or materials that either contain or have been in contact with potentially impacted environmental media.

Because these materials may contain regulated chemical constituents, they must be managed as a solid waste. This management may be terminated if characterization analytical results indicate the absence of these constituents.

PROCEDURE

1. Contain all investigation-derived wastes in Department of Transportation (DOT)-approved 55-gallon drums, roll-off boxes, or other containers suitable for the wastes.

2. Contain wastes from separate borings or wells in separate containers (i.e. do not combine wastes from several borings/wells in a single container, unless it is a container used specifically for transfer purposes, or unless specific permission to do so has been provided by the Roux Field Team Leader. Unused samples from surface sample locations within a given area may be combined.

3. To the extent practicable, separate solids from drilling muds, decontamination waters, and similar liquids. Place solids within separate containers.

4. Transfer all waste containers to a staging area. Access to this area will be controlled. Waste containers must be transferred to the staging area as soon as practicable after the generating activity is complete.

5. Pending transfer, all containers will be covered and secured when not immediately attended.

6. Label all containers with regard to contents, origin, date of generation, using Roux's IDW container label (sample attached). Use indelible ink for all labeling.

7. Complete the Investigative Derived Waste Container Log (sample attached) as waste containers are labeled in order to track and inventory project waste. Leave a copy of the log with the site manager or fax copy to the owner/operator as necessary.

8. Collect samples for waste characterization purposes, or use boring/well sample analytical data for characterization.

9. For wastes determined to be hazardous in character, **be aware of accumulation time limitations**. Coordinate the disposal of these wastes with the plant manager/owner/operator, if applicable.

10. Upon Property Owner, Project Manager, and/or NYSDEC Project Manager approval, dispose of investigation-derived wastes as follows:

- Soil, water, and other environmental media for which analysis does not detect organic constituents, and for which inorganic constituents are at levels that meet the Site's cleanup objectives, may be spread on the Property or otherwise treated as a non-waste material. Disposal quantity and on-site location will be documented on Project Field Books and in the project report submittal.

- Soil, water, and other environmental media in which organic compounds are detected or metals are present above the Site's cleanup objectives will be disposed off-site in accordance with applicable state and federal regulations. Disposal quantity and off-site location will be documented on Project Field Books and in the project report submittal.

- Personal protective equipment, disposable bailers, and similar equipment may be disposed as municipal waste, unless waste characterization results mandate otherwise.

WASTE STORAGE MANAGEMENT

Hazardous materials generated on site should be temporarily stored in a secure location that is under the control of the owner/operator or does not allow for vandalism (i.e., within a locked building structure or within a locked fenced in area). A waste-staging area should be designated on-site by the Project Manager in conjunction with the owner/operator.

ATTACHMENTS

Investigation Derived Waste Container Log (sample)
Investigation Derived Waste Container Label (sample)

REFERENCES

None

MANAGEMENT OF INVESTIGATION-DERIVED WASTE (IDW)

INVESTIGATION DERIVED WASTE CO

Project Name: Location:

Project Number: Personnel:

Container		Contents	Date		Staging Location	Date Sampled	Co
Number	Description		Started	Ended			

Prepared By:

Signed:

IDW Container Label (sample):

Project Name:
Project Number:

Container I.D.:
Contents/Matrix:
Estimated Quantity:
Date of Generation:
Date of Sample Collection:

Contact Name:
Contact Phone Number:

ROUX

FIELD OPERATING PROCEDURES

Monitoring Well Construction for Hollow Stem Auger Boreholes

FOP 033.0

MONITORING WELL CONSTRUCTION FOR HOLLOW STEM AUGER BOREHOLES

PURPOSE

Wells will be installed within selected boreholes for the purpose of evaluating groundwater characteristics. Well installation procedures depend upon the drilling method. This procedure describes well construction and installation for boreholes drilled using the hollow stem auger method. Refer to the Roux's Hollow Stem Auger Drilling Procedures FOP. Nominal dimensions and materials for the well are shown in the attached well construction diagram.

PROCEDURE

1. Advance borehole in accordance with the Roux's Hollow Stem Auger Drilling Procedure FOP to the required depth. The nominal inside diameter (ID) of the auger stem used should be at least 2 inches larger than the outside diameter (OD) of the riser and screen selected for the well installation. Record the monitoring well construction on the Field Borehole/Monitoring Well Installation Log (sample attached) (see Documentation Requirements for Drilling and Well Installation FOP).

2. Remove the drill rods and center bit/plug from the auger stem and verify borehole depth using weighted measuring tape.

3. In the event of an over drill (i.e. borehole depth is more than one foot greater than desired base of screen depth), use bentonite chips poured through the auger stem to seal the over drilled portion of the borehole. Be sure to note bentonite chip thickness on Field Borehole/Monitoring Well Installation Log.

4. Add a maximum of 6 inches of filter pack material through the auger stem to the base of the borehole. (Note: This step may be avoided if dense non-aqueous phase liquids are suspected to be present and it is desirable to have the screen and/or sump at the base of the borehole.)

5. Measure the length of the well string (i.e. riser and screen), and lower the well string into the well assembly to the desired depth. All measurements during the well installation process will be accurate to 0.1 foot.

6. Surface pour filter pack material into the annulus between the well and the auger stem as the augers are gradually withdrawn from the borehole. Use a weighted tape to confirm that the level of sand is maintained within the augers at all times. Record material volumes used.

7. After filter pack materials are brought to the required level, surface pour bentonite chips or pellets into the annulus between the well and the auger stem to form the filter pack seal. If necessary to avoid bridging, delayed hydration (coated) pellets may be used. Record the volume of material used.

8. Allow the bentonite chips/pellets to adequately hydrate for approximately 30 to 45-minutes. Cap or cover the well top of riser.

9. Mix cement/bentonite grout to a smooth consistency using a centrifugal or reciprocating pump. Do not hand mix. All water used must be potable quality. Record the volume of water used.

10. Fill the remaining annulus between the well and the auger stem with grout by surface pouring or pumping, and begin withdrawal of the auger string. Periodically top the auger string off with additional grout. If groundwater is present within the annulus above the bentonite chip/pellet seal, cement/bentonite grout will be pressure tremie grouted from bottom to top in order to displace groundwater from the borehole.

11. When the auger string is withdrawn, center the upper portion of the well riser within the borehole, and place drums or barricades around the well for protection while the grout cures. Place and lock a security cap (i.e., J-plug) in the opening of the well riser.

12. Leave the well undisturbed for at least 24 hours to allow the grout to cure. If excessive grout fallback occurs, top off as necessary with bentonite chips or additional grout.

13. Construct the surface completion as shown in the attached Typical Monitoring Well Detail (Figure 1). Select flush completions for all locations in active operational or high traffic areas, or in other areas where an above grade completion would be undesirable. Use aboveground completions in all other areas.

14. Place a dedicated lock on the well or protective casing, and keep well locked when not actively attended.

15. Permanently label the well with the appropriate well identifier as determined by the Project Manager or specified in the Work Plan.

16. Permanently mark a survey location on the north side at the top of the casing with a saw cut. Survey all wells for horizontal location and elevation, using a surveyor licensed by the State of New York. Coordinates and elevations will be provided in a coordinate system consistent with previous well surveys at the Site. Information obtained will include location (*x* and *y*) of the well, and elevation (*z*) of the ground surface, the pad, and the top of riser.

17. Develop the well as described in the Roux Field Operating Procedure for Monitoring Well Development.

18. Manage all waste materials generated during well installation and development as described in the Roux Field Operating Procedure for Management of Investigation Derived Waste.

ATTACHMENTS

Field Borehole/Monitoring Well Installation Log (sample)
Typical Monitoring Well Detail (Figure 1)

REFERENCES

Roux FOPs:

015 *Documentation Requirements for Drilling and Well Installation*
026 *Hollow Stem Auger Drilling Procedures*
032 *Management of Investigation Derived Waste*
036 *Monitoring Well Development Procedures*

MONITORING WELL CONSTRUCTION FOR HOLLOW STEM AUGER BOREHOLES

FIELD BOREHOLE/MONITORING WELL INSTALLATION LOG

PROJECT:		**Log of Well No.:**		
BORING LOCATION:		ELEVATION AND DATUM:		
DRILLING CONTRACTOR:		DATE STARTED:		DATE FINISHED:
DRILLING METHOD:		TOTAL DEPTH:		SCREEN INTERVAL:
DRILLING EQUIPMENT:		DEPTH TO WATER: FIRST:	COMPL.:	CASING:
SAMPLING METHOD:		LOGGED BY:		
HAMMER WEIGHT:	DROP:	RESPONSIBLE PROFESSIONAL:		REG. NO.

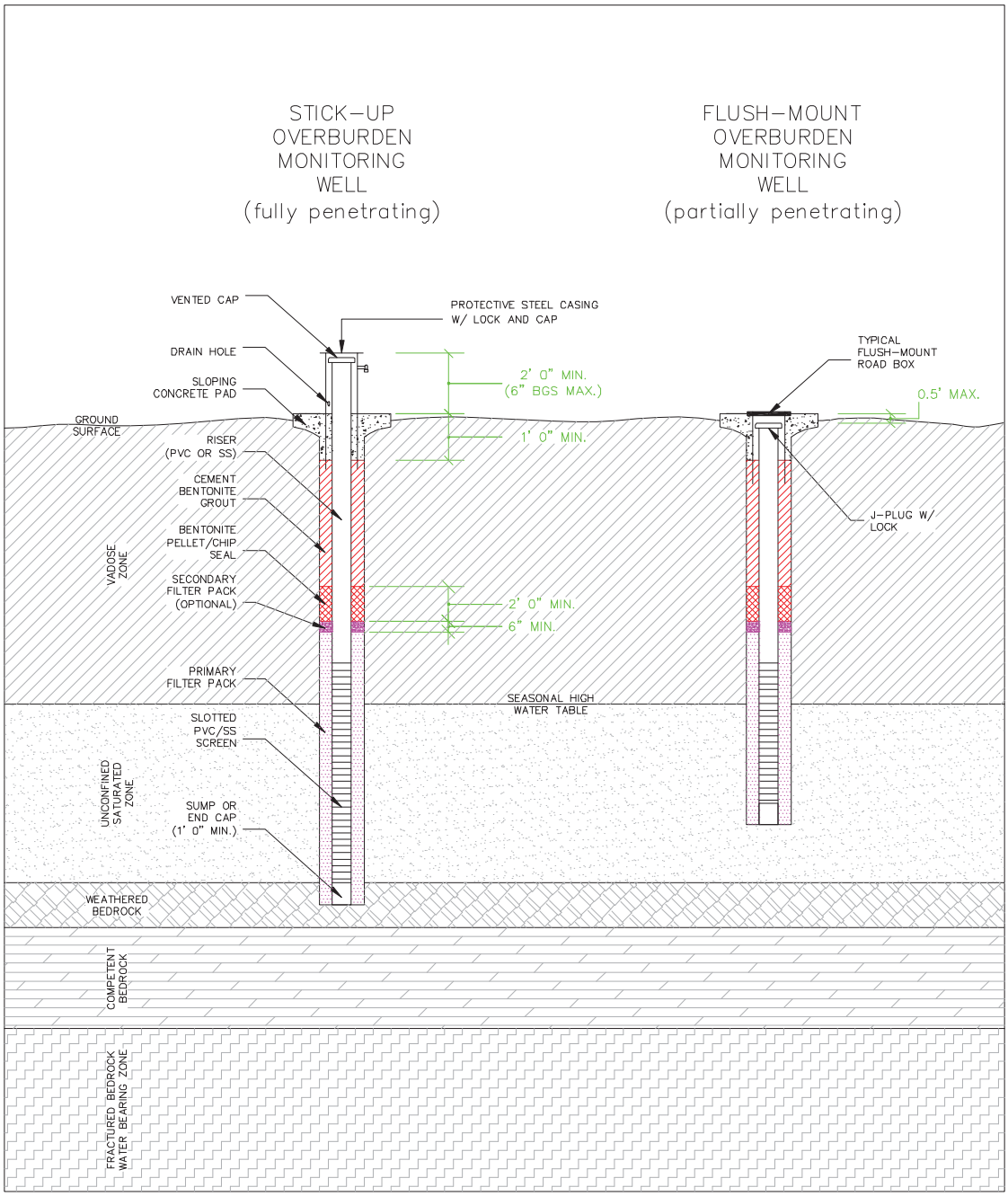
Depth (fbgs)	SAMPLES: Sample No.	Sample	Blows (per 6")	SPT N-Value	Recovery	PID Scan (ppm)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, % of Soil Type, Plasti... Fabric, Bedding, Weathering/Fracturing, Odor, Oth... SURFACE ELEVATION (FMSL):	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

Project No:		Figure

FOP 033.0

MONITORING WELL CONSTRUCTION FOR HOLLOW STEM AUGER BOREHOLES

FIGURE 1



ROUX

FIELD OPERATING PROCEDURES

Monitoring Well Development Procedures

FOP 036.0

MONITORING WELL DEVELOPMENT PROCEDURES

PURPOSE

This procedure describes the methods for the development of newly installed monitoring wells and re-development of existing monitoring wells that have been inactive for an extended period of time (i.e., one year or more). Monitoring wells are developed after installation in order to remove introduced water and drilling fluids, reduce the turbidity of the water, and improve the hydraulic communication between the well and the water-bearing formation. Well development will not commence until the annular grout seal has cured, but will be performed within ten calendar days of well installation.

PROCEDURE

1. All well development will include surge blocking or false bailing with one or more of the following fluid removal methods. Well development activities may include:

    - Bailing
    - Air Lifting
    - Submersible Pumping
    - Other methods as approved by the Roux Field Team Leader.
    - The appropriate water removal method will be selected based on water level depth and anticipated well productivity.

2. Assemble and decontaminate equipment (if necessary), and place in the well. Reference the Roux Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

3. Alternate the use of agitation methods with water removal methods, using the former to suspend solids in the well water, and the latter to remove the turbid water. For example, use a vented surge block to agitate the well, moving up and down within the screened interval and then use a pump to clear the well. A bailer may be used for both purposes, by surging with the bailer (false

bailing) for a period within the screened interval, then bailing a volume of water from the well.

4. When using surging methods, initiate this activity gradually, with short (2 to 3 feet) strokes. After several passes across the screened interval, increase the speed and length of the surge strokes.

5. Continue development until the following objectives are achieved:

   - Field parameters stabilize to the following criteria:
     - Dissolved Oxygen: ± 0.3 mg/L
     - Turbidity: ± 10%
     - Specific Conductance: ± 3%
     - ORP: ± 10 mV
     - pH: ± 0.1 units
   - The well will generate non-turbid water during continued pumping typically less than 50 NTU.
   - A minimum of 10 well volumes has been evacuated from the well.
   - In the case of lost water during drilling activities, the volume of water removed exceeds twice the volume of water lost to the formation during the drilling process, as indicated by the water balance.

6. Document the development methods, volumes, field parameter measurements, and other observations on the attached Groundwater Well Development Log (sample attached). Roux

ATTACHMENTS

Groundwater Well Development Log (sample)

REFERENCES

Roux FOPs:

040 Non-Disposable and Non-Dedicated Sampling Equipment Decontamination

MONITORING WELL DEVELOPMENT PROCEDURES

GROUNDWATER WELL DEVELOPMENT LOG

Project Name:	WELL NUMBER:
Project Number:	Sample Matrix:
Client:	Weather:

WELL DATA: DATE: TIME:

Casing Diameter (inches):	Casing Material:
Screened interval (fbTOR):	Screen Material:
Static Water Level (fbTOR):	Bottom Depth (fbTOR):
Elevation Top of Well Riser (fmsl):	Datum Ground Surface: Mean Sea Level
Elevation Top of Screen (fmsl):	Stick-up (feet):

PURGING DATA: DATE: START TIME: END TIME:

VOLUME CALCULATION:

(A) Total Depth of Well (fbTOR):	
(B) Casing Diameter (inches):	
(C) Static Water Level (fbTOR):	
One Well Volume (V, gallons): V = 0.0408 [$(B)^2$ x { (A) - (C) }]	

*Use the table to the right to calculate one well volum

Volume Calculation

Well Diameter	Volume gal/ft
	.041
3"	0.
"	0.653
	1.020
6	1.469
8"	2.611

Stabilization Criteria

er	Criteria
DO	+/- 0.3 mg/L
Turbidity	+/- 10%
SC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Field Personnel:

EVACUATION STABILI TION A:

Time	Water Level (fbTOR)	Accumulated Volume		Tempe	Co tance (uS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor

REMARKS:

PREPARED BY:

ROUX

FIELD OPERATING PROCEDURES

Non-Aqueous Phase Liquid (NAPL) Detection and Sample Collection Procedure

FOP 039.1

NON-AQUEOUS PHASE LIQUID DETECTION AND SAMPLE COLLECTION PROCEDURE

PURPOSE

This procedure describes the methods to detect the presence and sample collection of Non-Aqueous Phase Liquid (NAPL) in groundwater monitoring wells prior to purging activities. If NAPL is suspected, all activities should be performed with proper personnel protective equipment (PPE).

DETECTION PROCEDURE

Groundwater monitoring wells suspected of containing NAPL will be sounded with an interface probe, or similar device, in accordance with the following.

1. Inspect the well/piezometer for signs of vandalism or damage and record condition on the Groundwater Field Form (sample attached). Specifically, inspect the integrity of the following: concrete surface seal, lock, protective casing and well cover, well casing and J-plug/cap. Report any irregular findings to the Project Manager.

2. Unlock and remove the well protective cap or cover and place on clean plastic to avoid introducing foreign material into the well.

3. Calibrate the photoionization detector (PID) in accordance with the Roux Field Operating Procedure for Calibration and Maintenance of Portable Photoionization Detector.

4. Monitor the well for organic vapors using a PID, as per the Work Plan. If a reading of greater than 5 ppm is recorded, the well should be allowed to vent until levels drop below 5 ppm before proceeding with purging. Record PID measurements on the Groundwater Field Form (sample attached).

5. Slowly lower the interface probe down the well, avoiding contact with the well casing. Upon contact with the static liquid level in the well, the interface

probe will signal contact with an audible tone and/or a visible light mounted inside the reel.

Note:

- If the signal is constant, the probe is in contact with groundwater; and
- If the signal oscillates, the probe is in contact with NAPL.

6. Record the depth, type of liquid encountered (if applicable) and any other related information in the Project Field Book and on a Groundwater Field Form (sample attached).

7. Slowly lower the interface probe to the well bottom. Record the depth(s) and type(s) of any additional phases encountered.

8. Slowly raise the interface probe to the surface, avoiding contact with the well casing.

9. Place the interface probe and storage reel in a plastic bag for subsequent decontamination in accordance with the Roux's Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

SAMPLE COLLECTION PROCEDURE

All NAPL samples collected from groundwater monitoring wells will be collected in accordance with the following.

1. Place plastic sheeting on the ground around the well to prevent equipment from coming in contact with soil and also to prevent the surface transmission of NAPL.

2. All sampling personnel will don the appropriate PPE in accordance with the site health and safety plan.

3. Measure the static water level and NAPL level(s) using an interface probe as described in the previous section.

4. Determine depth to NAPL layer and thickness. Record appropriate data in the Project Field Book and on a Groundwater Sample Collection Log form (sample attached).

DNAPL SAMPLE COLLECTION

The following procedure should be used in sampling dense, heavier than water NAPL (i.e., with a high specific gravity) (DNAPL).

1. Collect samples using a translucent double check valve bailer (i.e., a bailer with a ball valve on both the top and bottom) constructed of Teflon, polyethylene or PVC which is connected to polypropylene rope for lowering into the well. All non-dedicated equipment shall be decontaminated in accordance with the Roux Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

2. Remove wrapping (i.e., aluminum foil, manufacturers packaging etc.), attach bailer to new polypropylene rope and slowly lower the bailer until it contacts the well bottom.

3. Slowly raise and lower the bailer to create a gentle surging action thereby inducing DNAPL into the bailer past the bottom ball valve.

4. Slowly raise the bailer to the surface. Avoid contact of the bailer line with the well casing and/or ground surface.

5. Observe the DNAPL through the translucent wall of the bailer and check if the immiscible phases have separated. If not, allow the bailer to stand upright until the phases have separated.

6. Carefully attach a bottom-emptying device with stopcock to the bottom of the bailer and discharge the DNAPL gently down the side of the sample bottle to minimize turbulence.

7. Repeat steps 2 through 6 until a sufficient sample volume is obtained.

8. Cap the sample bottle and label, preserve and ship samples in accordance with the Roux Field Operating Procedure for Sample Labeling, Storage and Shipment Procedures.

9. Place the used plastic sheeting, bailer and polyethylene rope in a plastic bag for subsequent decontamination or disposal.

10. Document the sampling procedures and related information in the Project Field Book and on a Groundwater Sample Collection Log form (sample attached).

LNAPL SAMPLE COLLECTION

The following procedure should be used in sampling lighter than water NAPL (i.e., with a low specific gravity) (LNAPL).

1. Collect samples using a translucent double check valve bailer (i.e., a bailer with a ball valve on both the top and bottom) constructed of Teflon, polyethylene or PVC which is connected to polypropylene rope for lowering into the well. All non-dedicated equipment shall be decontaminated in accordance with the Roux Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

2. Remove wrapping (i.e., aluminum foil, manufacturers packaging etc.), attach bailer to new polypropylene rope and slowly lower the bailer down the well into the immiscible phase of LNAPL. Care should be taken to lower the bailer just through the LNAPL layer, but not significantly down into the underlying groundwater.

3. Slowly raise the bailer to the surface. Avoid contact of the bailer line with the well casing and/or ground surface.

4. Observe the LNAPL through the translucent wall of the bailer and check if the immiscible phases have separated. If not, allow the bailer to stand upright until the phases have separated.

5. Carefully attach a bottom-emptying device with stopcock to the bottom of the bailer and decant the denser groundwater portion of the bailer contents into a DOT-approved 55-gallon drum for proper disposal.

6. Discharge the LNAPL gently down the side of the sample bottle to minimize turbulence.

7. Repeat steps 2 through 6 until a sufficient sample volume is obtained.

8. Cap the sample bottle and label, preserve and ship samples in accordance with the Roux Field Operating Procedure for Sample Labeling, Storage and Shipment Procedures.

9. Place the used plastic sheeting, bailer and polyethylene rope in a plastic bag for subsequent decontamination or disposal.

10. Document the sampling procedures and related information in the Project Field Book and on a Groundwater Sample Collection Log form (sample attached).

ATTACHMENTS

Groundwater Well Purge & Sample Collection Log (sample)

REFERENCES

Roux FOPs:

010 *Calibration and Maintenance of Portable Flame Ionization Detector*
011 *Calibration and Maintenance of Portable Photoionization Detector*
040 *Non-Disposable and Non-Dedicated Sampling Equipment Decontamination*
046 *Sample Labeling, Storage and Shipment Procedures*

FOP 039.1

NON-AQUEOUS PHASE LIQUID DETECTION AND SAMPLE COLLECTION PROCEDURE

GROUNDWATER WE
PURGE & SAMPLE COLLECTION L

Project Name:	WELL NUMBER:
Project Number:	Sample Matrix:
Client:	Weather:

WELL DATA: DATE: TIME:

Casing Diameter (inches):	Casing Material:
Screened interval (fbTOR):	Screen Material:
Static Water Level (fbTOR):	Bottom Depth (fbTOR):
Elevation Top of Well Riser (fmsl):	Ground Surface Elevation (fmsl):
Elevation Top of Screen (fmsl):	Stick-up (feet):

PURGING DATA: DATE: START TIME: END TIME:

Method:	Is purge equipement dedicated to sample location? yes
No. of Well Volumes Purged:	Was well purged to dryness? yes
Standing Volume (gallons):	Was well purged below top of sand pack? yes
Volume Purged (gallons):	Condition of Well:
Purge Rate (gal/min):	Field Personnel:

VOLUME CALCULATION:

(A) Total Depth of Well (fbTOR):	
(B) Casing Diameter (inches):	
(C) Static Water Level (fbTOR):	
One Well Volume (V, gallons): V = 0.0408 [$(B)^2$ x { (A) - (C) }]	

* Use the table to the right to calculate one well volume by subtracting C from A, then multiplying by the volume calculation in the table per well diamter

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	+/- 0.1 un
SC	+/- 3%
Turbidity	+/- 10%
DO	+/- 0.3 m
ORP	+/- 10 mV

EVACUATION STABILIZATION TEST DATA:

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (uS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance Odor
		initial							

SAMPLING DATA: DATE: START TIME: END TIME:

Method:	Is sampling equipement dedicated to sample location? yes
Initial Water Level (fbTOR):	Was well sampled to dryness? yes
Final Water Level (fbTOR):	Was well sampled below top of sand pack? yes
Air Temperature (°F):	Field Personnel:
Source and type of water used in the field for QC purposes:	

PHYSICAL & CHEMICAL DATA:

DESCRIPTION OF WATER SAMPLE		
Odor		
Color		
NAPL		
Contains Sediment?	yes	no

WATER QUALITY MEASUREMENTS							
Sample	Time	pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
initial							
final							

REMARKS:

PREPARED BY:

ROUX

FIELD OPERATING PROCEDURES

Non-Disposable and Non-Dedicated Sampling Equipment Decontamination

FOP 040.1

NON-DISPOSABLE AND NON-DEDICATED SAMPLING EQUIPMENT DECONTAMINATION

PURPOSE

This procedure is to be used for the decontamination of non-disposable and non-dedicated equipment used in the collection of environmental samples. The purpose of this procedure is to remove chemical constituents from previous samples from the sampling equipment. This prevents these constituents from being transferred to later samples, or being transported out of controlled areas.

HEALTH AND SAFETY

Nitric acid is a strong oxidizing agent as well as being extremely corrosive to the skin and eyes. Solvents such as acetone, methanol, hexane and isopropanol are flammable liquids. Limited contact with skin can cause irritation, while prolonged contact may result in dermatitis. Eye contact with the solvents may cause irritation or temporary corneal damage. Safety glasses with protective side shields, neoprene or nitrile gloves and long-sleeve protective clothing must be worn whenever acids and solvents are being used.

PROCEDURE – GENERAL EQUIPMENT

Bailers, split-spoons, steel or brass split-spoon liners, Shelby tubes, submersible pumps, soil sampling knives, and similar equipment will be decontaminated as described below.

1. Wash equipment thoroughly with non-phosphate detergent and potable-quality water, using a brush where possible to remove any particulate matter or surface film. If the sampler is visibly coated with tars or other phase-separated hydrocarbons, pre-wash with acetone or isopropanol, or by steam cleaning. Decontamination will adhere to the following procedure:

a. Rinse with potable-quality water; if the sampling equipment is very oily and use of a solvent is necessary, rinse with pesticide-grade isopropanol.

b. Rinse with potable-quality water;

c. Rinse with deionized water demonstrated analyte-free, such as distilled water;

d. Air dry; and

e. Store in a clean area or wrap in aluminum foil (shiny side out) or new plastic sheeting as necessary to ensure cleanliness.

2. All non-dedicated well evacuation equipment, such as submersible pumps and bailers, which are put into the well, must be decontaminated following the procedures listed above. All evacuation tubing must be dedicated to individual wells (i.e., tubing cannot be reused). However, if submersible pump discharge tubing must be reused, the tubing and associated sample valves or flow-through cells used in well purging or pumping tests will be decontaminated as described below:

a. Pump a mixture of potable water and a non-phosphate detergent through the tubing, sample valves and flow cells, using the submersible pump.

b. Steam clean or detergent wash the exterior of the tubing, sample valves, flow cells and pump.

c. Pump potable water through the tubing, sample valve, and flow cell until no indications of detergent (e.g. foaming) are observed.

d. Double rinse the exterior of the tubing with potable water.

e. Rinse the exterior of the tubing with distilled water.

f. Store in a clean area or wrap the pump and tubing assembly in new plastic sheeting as necessary to ensure cleanliness until ready for use.

3. All unused sample bottles and sampling equipment must be maintained in such a manner that there is no possibility of casual contamination.

4. Manage all waste materials generated during decontamination procedures as described in the Roux Field Operating Procedure for Management of Investigation Derived Waste.

PROCEDURE – SUBMERSIBLE PUMPS

Submersible pumps used in well purging or purging tests will be decontaminated thoroughly each day before use as well as between well locations as described below:

Daily Decontamination Procedure:

1. Pre-rinse: Operate the pump in a basin containing 8 to 10 gallons of potable water for 5 minutes and flush other equipment with potable water for 5 minutes.

2. Wash: Operate the pump in 8 to 10 gallons of non-phosphate detergent solution (i.e., Alconox) for 5 minutes and flush other equipment with fresh detergent solution for 5 minutes.

3. Rinse: Operate the pump in a basin of potable water for 5 minutes and flush other equipment with potable water for 5 minutes.

4. Disassemble pump.

5. Wash pump parts with a non-phosphate detergent solution (i.e., Alconox). Scrub all pump parts with a test tube brush or similar device.

6. Rinse pump with potable water.

7. Rinse the inlet screen, the shaft, the suction interconnection, the motor lead assembly, and the stator housing with distilled/deionized water.

8. Rinse the impeller assembly with 1% nitric acid (HNO_3).

9. Rinse the impeller assembly with isopropanol.

10. Rinse the impeller assembly with distilled/deionized water.

Between Wells Decontamination Procedure:

1. Pre-rinse: Operate the pump in a basin containing 8 to 10 gallons of potable water for 5 minutes.

2. Wash: Operate the pump in 8 to 10 gallons of non-phosphate detergent solution (i.e., Alconox) for 5 minutes.

3. Rinse: Operate the pump in a basin of potable water for 5 minutes.

4. Final rinse the pump in distilled/deionized water.

ATTACHMENTS

None

REFERENCES

Roux FOPs:

032 Management of Investigation-Derived Waste

ROUX

FIELD OPERATING PROCEDURES

Overburden Casing Installation Procedure

FOP 041.0

OVERBURDEN CASING INSTALLATION PRCEDURES

PURPOSE

This guideline presents a method for the installation of casing to prevent downhole contamination of hazardous compounds from shallow overburden material. This method is particularly applicable where contaminated strata overlie uncontaminated strata of lower permeability. The method can be used with hollow stem auger drilling or rotary wash drilling (where temporary casing is used). This guideline also presents a method for the evaluation of the integrity of the grout seal around an overburden casing, which has been positioned into a confining layer.

CASING INSTALLATION PROCEDURE

1. Advance boring by appropriate drilling methods, through the contaminated strata a short distance (1 to 2 feet) into an underlying lower permeable unit.

2. Calculate the volume of the borehole base on the bit/auger head or steel casing diameter plus 10% and determine the volume of grout to be emplaced. Generally, the total mixed volume is the borehole volume plus 20%.

3. Identify the equipment to be used for the preparation and mixing of the grout. Ensure the volume of the tanks to be used for mixing has been measured adequately. Document these volumes on the Field Borehole/Monitoring Well Installation Log (sample attached).

4. Identify the source of the water to be used for the grout and determine its suitability for use. In particular, water with high sulfate, or chloride levels or heated water should not be used. These types of waters can cause operational difficulties or modify the set-up for the grout.

5. Identify the equipment to be used for emplacing the grout. Ensure that the pump to be used has adequate pressure to enable complete return to surface.

6. Identify the volumes to be pumped at each stage or in total if only one stage is to be used.

7. Begin mixing the grout to be emplaced. Grout specifications generally have mixture ratios as follows:

Grout Slurry Composition (% Weight)		
1.5 to 3.0%	-	Bentonite (Quick Gel)
40 to 60 %	-	Cement (Portland Type I)
40 to 60 %	-	Potable Water

8. Record the type and amount of materials used during the mixing operation. Ensure the ratios are within specifications tolerance.

9. Begin pumping the grout through the return line bypass system to confirm all pump and surface fittings are secure.

10. Remove drill rods and center plug (or clean out temporary casing) and insert a tremie pipe to the bottom of the boring. Pump the cement/bentonite grout slurry through the tremie pipe until grout return is observed at grade and no bridging of the slurry is evident. Slowly withdraw the augers (or casing) from the boring while maintaining the grout level at grade. Record the times and volumes emplaced on the Field Borehole/Monitoring Well Installation Log (sample attached).

11. Document the return circulation of grout. This may be facilitated by using a colored dye or other tagging method if a mudded borehole condition exists prior to grout injection.

12. Place a drillable plug (preferably untreated wood) at the downhole end of black steel or other appropriate casing, insert the casing through the slurry, and seat it into the underlying formation.

13. Allow grout to set for 24 to 48 hours.

HYDROSTATIC TESTING OF CASING PROCEDURE

1. Following adequate setting time for the grout, drill through the grout inside the casing until the top of the confining layer has been reached (refer to Field Borehole/Monitoring Well Installation Log during casing installation).

2. Fill the casing with potable water and measure the water level within the casing with a water level indicator to the nearest 0.01-foot and record the measurement on the Pipe Leakage Testing Log (sample attached).

3. Monitor the water level for 30 minutes and record the final water level within the casing with a water level indicator to the nearest 0.01-foot and record the measurement on the Pipe Leakage Testing Log (sample attached).

4. Should the water level drop more than the allowable volume calculated using the following equation, the seal shall be regrouted at the Subcontractor's expense.

$$Q_{(allowable)} = 2.75\ DKH$$

Where:
$Q_{(allowable)}$ = Flow rate during a 30 minute test
D = Inside diameter of overburden casing
K = Confining layer hydraulic conductivity (see Table 1)
H = Head of water applied

Note: Be sure to use consistent units of measure.

ATTACHMENTS

Field Borehole/Monitoring Well Installation Log (sample)
Pipe Leakage Testing Log (sample)

Table 1 – Range of Values of Hydraulic Conductivity and Permeability

REFERENCES

Freeze, R.A. and J.A. Cherry. 1979. *Groundwater*. Prentice-Hall, Inc., Englewood, New Jersey, 604 p.

Roux FOPs:

018 Drilling and Excavation Equipment Decontamination Protocols

FIELD BOREHOLE/MONITORING WELL INSTALLATION LOG

PROJECT:		**Log of Well No.:**		
BORING LOCATION:		ELEVATION AND DATUM:		
DRILLING CONTRACTOR:		DATE STARTED:		DATE FINISHED:
DRILLING METHOD:		TOTAL DEPTH:		SCREEN INTERVAL:
DRILLING EQUIPMENT:		DEPTH TO WATER: FIRST:	COMPL.:	CASING:
SAMPLING METHOD:		LOGGED BY:		
HAMMER WEIGHT:	DROP:	RESPONSIBLE PROFESSIONAL:		REG. NO.

Depth (fbgs)	SAMPLES: Sample No.	Sample	Blows (per 6")	SPT N-Value	Recovery	PID Scan (ppm)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, % of Soil Type, T… Fabric, Bedding, Weathering/Fracturing, Odor, Other SURFACE ELEVATION (FMSL):	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

Project No:		Figure

PIPE LEAKAGE TESTING LOG

Project: Location:

Client: Date:

Job No: BM Personnel:

Location Description	Test Procedure (Air or Hydrostatic)	QC Initials	Readings				Elapsed Time (minutes)	Change in Pressure/ Water Level (psi/fbMP)	Pass/Fail	Passing Retest Date	Comments/Notes
			Start		End						
			Pressure or Water Level	Time	Pressure or Water Level	Time					

Prepared By: Date:

TABLE 1: (From Freeze and Cherry, page 29.)

Table 2.2 Range of Values of Hydraulic Conductivity and Permeability

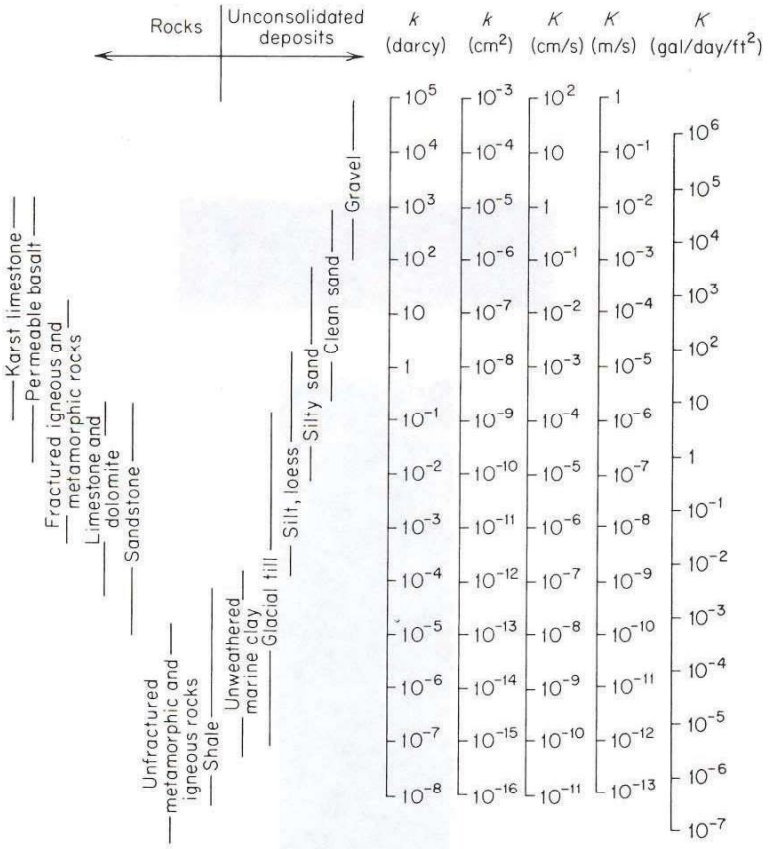


Table 2.3 Conversion Factors for Permeability and Hydraulic Conductivity Units

	Permeability, k*			Hydraulic conductivity, K		
	cm^2	ft^2	darcy	m/s	ft/s	U.S. gal/day/ft^2
cm^2	1	1.08×10^{-3}	1.01×10^{8}	9.80×10^{2}	3.22×10^{3}	1.85×10^{9}
ft^2	9.29×10^{2}	1	9.42×10^{10}	9.11×10^{5}	2.99×10^{6}	1.71×10^{12}
darcy	9.87×10^{-9}	1.06×10^{-11}	1	9.66×10^{-6}	3.17×10^{-5}	1.82×10^{1}
m/s	1.02×10^{-3}	1.10×10^{-6}	1.04×10^{5}	1	3.28	2.12×10^{6}
ft/s	3.11×10^{-4}	3.35×10^{-7}	3.15×10^{4}	3.05×10^{-1}	1	6.46×10^{5}
U.S. gal/day/ft^2	5.42×10^{-10}	5.83×10^{-13}	5.49×10^{-2}	4.72×10^{-7}	1.55×10^{-6}	1

*To obtain k in ft^2, multiply k in cm^2 by 1.08×10^{-3}.

ROUX

FIELD OPERATING PROCEDURES

Sample Labeling, Storage, and Shipment Procedures

FOP 046.0

SAMPLE LABELING, STORAGE & SHIPMENT PROCEDURES

PURPOSE

The collection and analysis of samples of environmental media, including soils, groundwater, surface water, and sediment, are the central activities of the field investigation. These samples must be properly labeled to preserve its identity, and properly stored and shipped in a manner that preserves its integrity and chain of custody. This procedure presents methods for these activities.

SAMPLE LABELING PROCEDURE

1. Assign each sample retained for analysis a unique 9-digit alphanumeric identification code or as indicated in the Project Work Plan. Typically, this code will be formatted as follows:

Sample I.D. Example: GW051402047	
GW	**Sample matrix** GW = groundwater; SW = surface water; SUB = subsurface soil; SS = surface soil; SED = sediment; L = leachate; A = air
05	Month of sample collection
14	Day of sample collection
02	Year of sample collection
047	Consecutive sample number

2. Consecutive sample numbers will indicate the individual sample's sequence in the total set of samples collected during the investigation/sampling event. The sample number above, for example, would indicate the 47th sample retained for analysis during the field investigation, collected on May 14, 2002.

3. Affix a non-removable (when wet) label to each sample container. The following information will be written on the label with black or blue ink that will not smudge when wet:

   - Project number
   - Sample ID (see Step 1 above)
   - Date of sample collection
   - Time of sample collection (military time only)
   - Specify "grab" or "composite" sample with an "X"
   - Sampler initials
   - Preservative(s) (if applicable)
   - Analytes for analysis (if practicable)

4. Record all sample label information in the Project Field Book and on a Sample Summary Collection Log (see attached samples), keyed to the sample identification number. In addition, add information regarding the matrix, sample location, depth, etc. to provide a complete description of the sample.

SAMPLE STORAGE PROCEDURE

1. Immediately after collection, placement in the proper container, and labeling, place samples to be retained for chemical analysis into resealable plastic bags.

2. Place bagged samples into an ice chest filled approximately half-full of double bagged ice. Blue ice is not an acceptable substitute for ice.

3. Maintain samples in an ice chest or in an alternative location (e.g. sample refrigerator) as approved by the Roux Field Team Leader until time of shipment. Periodically drain melt-water off coolers and replenish ice as necessary.

4. Ship samples on a daily basis, unless otherwise directed by the Roux Field Team Leader.

5. Maintain appropriate custody procedures on coolers and other sample storage containers at all times. These procedures are discussed in detail in the Project Quality Assurance Project Plan, Monitoring Plan or Work Plan.

6. Samples shall be kept in a secure location locked and controlled (i.e., locked building or fenced area) so that only the Project Field Team Leader has access to the location or under the constant visual surveillance of the same.

SAMPLE SHIPPING PROCEDURE

1. Fill out the chain-of-custody form completely (see attached sample) with all relevant information. The white original goes with the samples and should be placed in a resealable plastic bag and taped inside the sample cooler lid; the sampler should retain the copy.

2. Place a layer of inert cushioning material such as bubble pack in the bottom of cooler.

3. Place each bottle in a bubble wrap sleeve or other protective wrap. To the extent practicable, then place each bottle in a resealable plastic bag.

4. Open a garbage bag (or similar) into a cooler and place sample bottles into the garbage bag (or similar) with volatile organic analysis (VOA) vials near the center of the cooler.

5. Pack bottles with ice in plastic bags. At packing completion, cooler should be at least 50 percent ice, by volume. Coolers should be completely filled, so that samples do not move excessively during shipping.

6. Duct tape (or similar) cooler drain closed and wrap cooler completely in two or more locations to secure lid, specifically covering the hinges of the cooler.

7. Place laboratory label address identifying cooler number (i.e., 1 of 4, 2 of 4 etc.) and overnight delivery waybill sleeves on cooler lid or handle sleeve (Federal Express).

8. Sign the custody seal tape with an indelible soft-tip marker and place over the duct tape across the front and back seam between the lid and cooler body.

9. Cover the signed custody seal tape with an additional wrap of transparent strapping tape.

10. Place "Fragile" and "This Side Up" labels on all four sides of the cooler. "This Side Up" labels are yellow labels with a black arrow with the arrowhead pointing toward the cooler lid.

11. For coolers shipped by overnight delivery, retain a copy of the shipping waybill, and attach to the chain-of-custody documentation.

ATTACHMENTS

Soil/Sediment Sample Summary Collection Log (sample)
Groundwater/Surface Water Sample Summary Collection Log (sample)
Wipe Sample Summary Collection Log (sample)
Air Sample Summary Collection Log (sample)
Chain-Of-Custody Form (sample)

REFERENCES

None

AIR SAMPLE COLLECTION SUMMARY LOG

Field ID	Location	QC Type	Analytical Parameters	Containers	Date	Time	Sampler Initials	Comments (e.g. problems encountered, ref. to variance, location changes, important observations or descriptions, etc.)

Notes:

1. See QAPP for sampling frequency and actual number of QC samples.
2. SC - Summa Canister.
3. TB - Tedlar Bag (quantity).
4. No Matrix Spike, Matrix Spike Duplicate, Matrix Spike Blanks, Field Duplicates, Field Blanks or Rinsates collected for air samples.

FOP 046.0

SAMPLE LABELING, STORAGE & SHIPMENT PROCEDURES

CHAIN OF CUSTODY RECORD

Project No.	Project Name					Number of Containers	VOCs	SVOCs	Metals						REMARKS
Samplers (Signature)															
No.	Date	Time	comp	grab	Sample Identification										
Possible Hazard Identification: ☐ Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown										Sample Disposal: ☐ Return to Client ☐ Disposal by Lab ☐ Archive _____(mos.)					
Turnaround Time Required: Normal ☐ Rush ☐										QC Level: I. ☐ II. ☐ III. ☐ Project Specific (specify):_____					
Relinquished by: (Signature)		Date	Time	Relinquished by: (Signature)						Date	Time	REMARKS:			
Relinquished by: (Signature)		Date	Time	Relinquished by: (Signature)						Date	Time				

WIPE SAMPLE COLLECTION SUMMARY LOG

Field ID	Location	QC Type	Analytical Parameters	Containers	Date	Time	Sampler Initials	Comments (e.g. problems encountered, ref. to variance, location changes, important observations or descriptions, etc.)

Notes:

1. See QAPP for sampling frequency and actual number of QC samples.
2. CWM - clear, wide-mouth glass jar with Teflon-lined cap.
3. FD - Field Duplicate.
4. FB - Field Blank.
5. RS - Rinsate.
6. No Matrix Spike, Matrix Spike Duplicate or Matrix Spike Blanks for wipe samples.
7. Rinsates should be taken at a rate of 1 per day during wipe sampling. Only take when reusable equipment is used.
8. Wipe sample FB collected by wiping unused glove and any other sampling equipment coming into contact with sampled surface) with prepared gauze pad and place in sample jar. Take at a rate of 1 FB per 20 samples.
9. Wipe sample FDs taken adjacent to original sample at a rate of 1 FD per 20 samples.
10. **EH :** Extract and Hold

AIR SAMPLE COLLECTION SUMMARY LOG

Field ID	Location	QC Type	Analytical Parameters	Containers	Date	Time	Sampler Initials	Comments (e.g. problems encountered, ref. to variance, location changes, important observations or descriptions, etc.)

Notes:

1. See QAPP for sampling frequency and actual number of QC samples.
2. SC - Summa Canister.
3. TB - Tedlar Bag (quantity).
4. No Matrix Spike, Matrix Spike Duplicate, Matrix Spike Blanks, Field Duplicates, Field Blanks or Rinsates collected for air samples.

SAMPLE LABELING, STORAGE & SHIPMENT PROCEDURES

CHAIN OF CUSTODY RECORD

Project No.	Project Name					Number of Containers	VOCs	SVOCs	Metals						REMARKS
Samplers (Signature)															
No.	Date	Time	comp	grab	Sample Identification										

Possible Hazard Identification:
☐ Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal:
☐ Return to Client ☐ Disposal by Lab ☐ Archive _____(mos.)

Turnaround Time Required:
Normal ☐ Rush ☐

QC Level:
I. ☐ II. ☐ III. ☐ Project Specific (specify):_____

Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	REMARKS:
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	

ROUX

FIELD OPERATING PROCEDURES

Screening of Soil Samples for Organic Vapors During Drilling Activities

FOP 047.0

SCREENING OF SOIL SAMPLES FOR ORGANIC VAPORS DURING DRILLING ACTIVITIES

PURPOSE

This procedure is used to screen soil samples for the presence of volatile organic constituents (VOCs) using a field organic vapor meter. These meters will be either photoionization detector (PID) or flame-ionization detector (FID) type. This screening is performed at the drilling and sampling location as a procedure for ensuring the health and safety of personnel at the site and to identify potentially contaminated soil samples for laboratory analysis. All soil samples will be field screened to provide a vertical profile of soil contamination by volatile organic substances.

PROCEDURE

1. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

2. Collect split-spoon (or other sampler) samples in accordance with Roux's Split Spoon Sampling Procedure FOP.

3. When the split-spoon or other sampler is opened or accessed, shave a thin layer of material from the entire length of the core.

4. Scan the core visually and with the PID or FID noting stratification, visible staining, or other evidence of contamination.

5. Based on this initial scan of the sample, collect approximately 100 milliliters (ml) of soil using a decontaminated or dedicated stainless steel spatula, scoop, or equivalent. Place this soil into a labeled wide-mouth glass jar approximately ½ to ¾ full and seal with aluminum foil and a screw top cap. Alternatively, the soil may be placed into a clean, re-sealable plastic bag and sealed. Be sure to leave some headspace above the soil sample within the sealed container.

6. Place field screening sample (i.e., jar or bag) in a location where the ambient temperature is at least 70° Fahrenheit.

7. Leave the field screening sample bag for at least 30 minutes, but no more than 60 minutes.

8. Carefully remove the screw top cap from the jar and slowly insert the tip of the organic vapor meter (PID or FID) through the aluminum foil seal making the smallest hole possible. Alternatively, unseal a portion of the plastic bag just big enough to insert the probe of a calibrated PID.

9. Record the maximum reading in parts per million by volume (ppmv) on the Field Borehole Log or Field Borehole/Monitoring Well Installation Log form (see attached samples) (see Documentation Requirements for Drilling and Well Installation FOP), at the depth interval corresponding to the depth of sample collection.

ATTACHMENTS

Field Borehole Log (sample)
Field Borehole/Monitoring Well Installation Log (sample)

REFERENCES

Roux FOPs:

010 Calibration and Maintenance of Portable Flame Ionization Detector
011 Calibration and Maintenance of Portable Photoionization Detector
015 Documentation Requirements for Drilling and Well Installation
058 Split Spoon Sampling Procedures

FOP 047.0

SCREENING OF SOIL SAMPLES FOR ORGANIC VAPORS DURING DRILLING ACTIVITIES

FIELD BOREHOLE LOG

PROJECT:			**Log of Boring No.:**		
BORING LOCATION:			ELEVATION AND DATUM:		
DRILLING CONTRACTOR:			DATE STARTED:		DATE FINISHED:
DRILLING METHOD:			TOTAL DEPTH:		SCREEN INTERVAL:
DRILLING EQUIPMENT:			DEPTH TO WATER: FIRST:	COMPL.:	CASING:
SAMPLING METHOD:			LOGGED BY:		
HAMMER WEIGHT:	DROP:		RESPONSIBLE PROFESSIONAL:		REG. NO.

Depth (fbgs)	SAMPLES: Sample No.	Sample	Blows (per 6")	SPT N-Value	Recovery	PID Scan (ppm)	SAMPLE DESCRIPTION	REMARKS
							USCS Classification: Color, Moisture Condition, % of Soil Type, Texture, Plasticity, Fabric, Bedding, Weathering/Fracturing, Odor, Other SURFACE ELEVATION (FMSL):	

ABANDONMENT:			
Volume of cement/bentonite grout required:	$V = \pi r^2 \times 7.48 =$	gallons	borehole depth = ft.
Volume of cement/bentonite grout installed:		gallons	borehole diameter = ft.
Has bridging of grout occurred? ☐ yes ☐ no			borehole radius = ft.
If yes, explain resolution:			
Method of installation:			
Project No:			Figure

FIELD BOREHOLE/MONITORING WELL INSTALLATION LOG

PROJECT:		**Log of Well No.:**	
BORING LOCATION:		ELEVATION AND DATUM:	
DRILLING CONTRACTOR:		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		TOTAL DEPTH:	SCREEN INTERVAL:
DRILLING EQUIPMENT:		DEPTH TO WATER: FIRST: COMPL.:	CASING:
SAMPLING METHOD:		LOGGED BY:	
HAMMER WEIGHT:	DROP:	RESPONSIBLE PROFESSIONAL:	REG. NO.

Depth (fbgs)	SAMPLES: Sample No.	Sample	Blows (per 6")	SPT N-Value	Recovery	PID Scan (ppm)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, % of Soil Type … Plastici… Fabric, Bedding, Weathering/Fracturing, Odor, Oth… SURFACE ELEVATION (FMSL):	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

Project No:		Figure

ROUX

FIELD OPERATING PROCEDURES

Screening of Soil Samples for Organic Vapors During Impacted Soil Removal Activities

FOP 048.0

SCREENING OF SOIL SAMPLES FOR ORGANIC VAPORS DURING IMPACTED SOIL REMOVAL ACTIVITIES

PURPOSE

This procedure is used to screen soil samples for the presence of volatile organic constituents (VOCs) using a field organic vapor meter. The field meter should either be a photoionization detector (PID) or flame-ionization detector (FID) type. This type of screening is generally performed during underground storage tank (UST) and/or impacted soil removal activities as a procedure for ensuring the health and safety of the community and personnel at the site as well as to identify potential VOC-impacted soil samples for laboratory analysis (i.e., confirmatory or verification samples). Soil samples are also screened in the field to provide assessment criteria to determine horizontal and vertical extents of VOC-impacts in order to ensure soils that may have been impacted by volatile organic substances are removed.

PROCEDURE

1. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

2. Perform community air monitoring in accordance with the Project Work Plan and/or Roux's FOP: Real-Time Air Monitoring During Intrusive Activities.

3. Upon proper removal of any identified UST in accordance with NYSDEC Division of Environmental Remediation, Spill Response Unit or Bulk Storage Unit guidelines and/or Roux's FOP: Underground Storage Tank Removal Procedures; examine the four sidewalls and bottom of the excavation for visually impacted (i.e., stained) soils.

4. If visually impacted soils are identified, direct the excavating equipment operator to scrape the impacted area (i.e., sidewall or bottom of the excavation) and present the scraped soil for evaluation. NOTE: Under no circumstances should anyone enter an excavation greater than 4 feet in depth, unless absolutely necessary. Excavation entry may only occur under strict confined space entry procedures following implementation of specific engineering controls (i.e., continuous air monitoring, excavation shoring, trench box installation, benching).

5. Visually inspect and perform an open air PID/FID scan of the scraped soil sample noting stratification, visible staining, or other evidence of impact (i.e., presence of non-aqueous phase liquid, NAPL).

6. Collect a representative sample (approximately 100 milligrams (mg)) of soil using a decontaminated or dedicated stainless steel sampling tool (i.e., spoon, spatula, scoop, or approved equivalent), for field headspace determination of VOC-impact. Place the representative soil sample into a labeled wide-mouth glass jar approximately ½ to ¾ full and seal with aluminum foil and a screw top cap. Alternatively, the soil sample may be placed into a clean, re-sealable plastic bag and sealed. Be sure to leave adequate headspace above the soil sample within either sealed container.

7. Place the field screening sample (i.e., jar or bag) in a location where the ambient temperature is at least 70^{o} Fahrenheit for at least 15 minutes, but no more than 60 minutes.

8. Carefully remove the screw top cap from the jar and slowly insert the tip of the organic vapor meter (PID or FID) through the aluminum foil seal making the smallest hole possible. Alternatively, unseal a portion of the plastic bag just big enough to insert the probe of a calibrated PID.

9. Record the depth, sample location (i.e., sidewall, bottom) and <u>maximum</u> reading in parts per million by volume (ppmv) in the Project Field Book and Impacted Soil Excavation Log (sample attached), at the depth interval corresponding to the depth of sample collection.

10. The representative soil samples collected from the excavation will be used to assess the vertical and horizontal limits of VOC-impact and guide the impacted soil removal activities in accordance with project requirements (i.e., PID scans less than 20 ppm will not require removal unless laboratory analytical results exceed regulatory limits).

11. Collect verification/confirmation samples in accordance with NYSDEC Division of Environmental Remediation, Spill Response Unit or Bulk Storage Unit guidelines and/or Roux's FOP: Surface and Subsurface Soil Sampling Procedures.

ATTACHMENTS

Impacted Soil Excavation Log (sample)

REFERENCES

Roux FOPs:

010 Calibration and Maintenance of Portable Flame Ionization Detector
011 Calibration and Maintenance of Portable Photoionization Detector
063 Surface and Subsurface Soil Sampling Procedures
073 Real-Time Air Monitoring During Intrusive Activities
074 Underground Storage Tank Removal Procedures

FOP 048.0

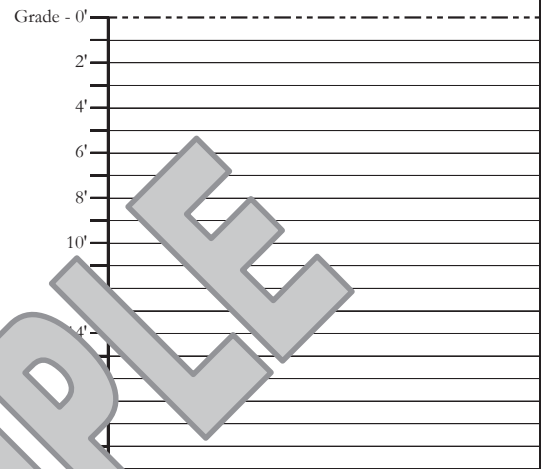
SCREENING OF SOIL SAMPLES FOR ORGANIC VAPORS DURING IMPACTED SOIL REMOVAL ACTIVITIES

IMPACTED SOIL EXCAVATION LOG

Project:	EXCAVATION I.D.:
Project No.:	Excavation Date:
Client:	Excavation Method:
Location:	CQA Observer:

Excavation Location: *NOT TO SCALE*
(approximate)

Excavation Cross Section:



TIME	Length:					
Start:	Width:					
End:	Depth:					

Verification Sample I.D.	D… (ft…	…hi… (si… …/bo…	PID Scan (ppm)	PID Headspace (ppm)	Photos Y / N	

COMMENTS:

UST ENCOUNTERED:	☐ yes	☐ no	If yes, Describe (type, material, size, capacity etc.):
GROUNDWATER ENCOUNTERED:	☐ yes	☐ no	If yes, depth to GW:
VISUAL IMPACTS:	☐ yes	☐ no	Describe:
OLFACTORY OBSERVATIONS:	☐ yes	☐ no	Describe:
NON-NATIVE FILL ENCOUNTERED:	☐ yes	☐ no	
OTHER OBSERVATIONS:	☐ yes	☐ no	Describe:
QUANTITY OF IMPACTED SOIL REMOVED:			
FINAL DESTINATION OF IMPACTED SOIL:			
TYPE OF BACKFILL:			
SURFACE COMPLETION:			

ROUX

FIELD OPERATING PROCEDURES

Soil Description Procedures Using The Visual-Manual Method

FOP 054.2

SOIL DESCRIPTION PROCEDURES USING THE VISUAL-MANUAL METHOD

PURPOSE

This guideline presents a means for insuring consistent and proper field identification and description of collected soils during a project (via, split-spoon (barrel) sampler, hand auger, test pit etc.). The lithology and moisture content of each soil sample will be physically characterized by visual-manual observation in accordance with ASTM Method D2488, Standard Practice for Description and Identification of Soils (Visual-Manual Procedure). When precise classification of soils for engineering purposes is required, the procedures prescribed in ASTM Method D2487 (Standard Practice for Classification of Soils for Engineering Purposes [Unified Soil Classification System, USCS]) will be used. The method of soil characterization presented herein describes soil types based on grain size, liquid and plastic limits, and moisture content based on visual examination and manual tests. When using this FOP to classify soil, the detail of description provided for a particular material should be dictated by the complexity and objectives of the project. However, more often than not, "after the fact" field information is required later in the project, therefore, every attempt to describe the soil as completely as possibly should be made.

Intensely weathered or decomposed rock that is friable and can be reduced to gravel size or smaller by normal hand pressure should be classified as a soil. The soil classification would be followed by the parent rock name in parenthesis. Projects requiring depth to bedrock determinations should always classify weathered or decomposed bedrock as bedrock (i.e., landfill siting). The project manager should always be consulted prior to making this determination.

SOIL DESCRIPTION PROCEDURES USING THE VISUAL-MANUAL METHOD

PROCEDURE

Assemble necessary equipment and discuss program requirements with drilling contractor.

1. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

2. Collect desired soil sample in accordance with appropriate Roux FOP (i.e., split-spoon sampling, hand augering, test pitting etc.).

3. Shave a thin layer off the entire length of the sample to expose fresh sample.

4. Photograph and scan the sample with a photoionization detector (PID) at this time, if applicable, in accordance with Roux's Screening of Soil Samples for Organic Vapors During Drilling Activities FOP.

5. Describe the sample using terminology presented in the Descriptive Terms section below.

6. Record all pertinent information in the Project Field Book and Field Borehole Log (sample attached) or Field Borehole/Monitoring Well Installation Log (sample attached).

7. After the sample has been described, place a representative portion of the sample in new, precleaned jars or self-sealing plastic bags for archival purposes (if required). Label the jar or bag with the sample identification number, sample interval, date, project number and store in a secure location.

8. If the soil is to be submitted to a laboratory for analysis, collect the soil sample with a dedicated stainless steel sampling tool, place the sample into the appropriate laboratory-supplied containers, and store in an ice-chilled cooler staged in a secure location in accordance with Roux's Sample Labeling, Storage and Shipment Procedures FOP.

9. All remaining soil from soil sample collection activities shall be containerized in accordance with Roux's Management of Investigative-Derived Waste (IDW) FOP and/or the Project Work Plan.

DESCRIPTIVE TERMS

All field soil samples will be described using the Unified Soil Classification System (USCS) presented in Figures 1 and 2 (attached). In addition to ASTM Method D2488, Method D1586, Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils (a.k.a., Standard Penetration Test, STP), when implemented, can also be used to classify the resistance of soils. In certain instances, it is desirable to supplement the USCS classification with a geologic interpretation of the soil sample that is supported by the soil descriptive terms presented in this section. The project manager should be consulted when making any geologic interpretation. Field test methods are provided to assist field personnel in classifying soil and are identified by a bold blue **FTM** and shaded. Classification of sampled soils will use the following ASTM descriptive terms and criteria:

- **Group Name** (USCS, see Figure 2)
- **Group Symbol** (USCS, see Figure 2) – only use if physical laboratory testing has been performed to substantiate. The USCS can be applied to most unconsolidated materials, and is represented by a two-letter symbol, except Peat (Pt).
  - The first letter includes: G (gravel), S (sand), M (silt), C (clay), and O (organic).
  - The second letter includes: P (poorly graded or uniform particle sizes), W (well graded or diversified particle sizes), H (high plasticity), and L (low plasticity).
  - Examples:
    - GW = well graded gravels and gravel-sand mixtures, little or no fines
    - GP = poorly graded gravels and gravel-sand mixtures, little or no fines
    - GM = silty gravels, gravel-sand-silt mixtures

- GC = clayey gravels, gravel-sand-clay mixtures
- SW = well graded sands and gravelly sands, little or no fines
- SP = poorly graded sands and gravelly sands, little or no fines
- SM = silty sand, sand-silt mixtures
- SC = clayey sand sand-clay mixtures
- ML = inorganic silts, very fine sands, rock flour, silty or clayey fine sands
- CL = inorganic clays of low to medium plasticity, gravelly/sandy/silty/lean clays
- OL = organic silts and organic silty clays of low plasticity
- MH = inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts (very rare)
- CH = inorganic clays of high plasticity, fat clays
- OH = organic clays of medium to high plasticity
- Pt = peat, muck, and other highly organic soils

- **Angularity** (ASTM D2488; Table 1)
  - Angular – particles have sharp edges and relatively planar sides with unpolished surfaces
  - Subangular – particles are similar to angular description but have rounded edges
  - Subrounded – particles have nearly planar sides but have well-rounded corners and edges
  - Rounded – particles have smoothly curved sides and no edges
- **Particle Shape** (ASTM D2488; Table 2)
  - Flat – particles with width/thickness > 3
  - Elongated – particles with length/width > 3
  - Flat and Elongated – particles meet criteria for both flat and elongated
- **Moisture Condition** (ASTM D2488; Table 3)
  - Dry – absence of moisture, dusty, dry to the touch
  - Moist – damp, but no visible water
  - Wet – visible free water, usually soil is below water table
- **Reaction with Hydrochloric Acid (HCL)** (ASTM D2488; Table 4)
  - None – no visible reaction

- Weak – some reaction, with bubbles forming slowly
- Strong – violent reaction, with bubbles forming immediately

- **Consistency of Cohesive Soils** (ASTM D2488; Table 5)
  - Very soft – squeezes between fingers when fist is closed; easily penetrated several inches by fist (SPT = 2 or less)
  - Soft – easily molded by fingers; easily penetrated several inches by thumb (SPT = 2 to 4)
  - Firm – molded by strong pressure of fingers; can be penetrated several inches by thumb with moderate effort (SPT = 4 to 8)
  - Stiff – dented by strong pressure of fingers; readily indented by thumb but can be penetrated only with great effort (SPT = 8 to 15)
  - Very stiff – readily indented by thumbnail (SPT = 15 to 30)
  - Hard – indented with difficultly by thumbnail (SPT >30)
- **Cementation** (ASTM D2488; Table 6)
  - Weak – crumbles or breaks with handling or slight finger pressure
  - Moderate – crumbles or breaks with considerable finger pressure
  - Strong – will not crumble or break with finger pressure
- **Structure (Fabric)** (ASTM D2488; Table 7)
  - Varved – alternating 1 mm to 12 mm (0.04 – 0.5 inch) layers of sand, silt and clay
  - Stratified – alternating layers of varying material or color with the layers less than 6 mm (0.23 inches) thick; note thickness
  - Laminated – alternating layers of varying material or color with the layers less than 6 mm (0.23 inches) thick; note thickness
  - Fissured – contains shears or separations along planes of weakness
  - Slickensided – shear planes appear polished or glossy, sometimes striated

- Blocky – cohesive soil that can be broken down into small angular lumps which resist further breakdown
- Lensed – inclusion of small pockets of different soils, such as small lenses of sand scattered through a mass of clay; note thickness
- Homogeneous or Massive – same color and appearance throughout

- **Inorganic Fine-Grained Soil Characteristics** (ASTM D2488; Table 12)

  Several field tests can be performed to determine the characteristics of fine-grained soils (material passing the No. 40 sieve), such as dry strength, dilatency, and toughness. These field testing methods are described below.

  - **Dry Strength** (ASTM D2488; Table 8)

    FTM (Dry Strength): Select enough material and moisten with water until it can be molded or shaped without sticking to your fingers (slightly below the sticky limit) into a ball about 1 inch in diameter. From this ball, form three balls about ½ inch in diameter and allow to dry in air, or sun, or by artificial means (temperature not to exceed 60° C (140° F). Soil containing natural dry lumps about ½ inch in diameter may be used in place of molded balls, however the dry strengths are usually lower. Test the strength by crushing the dry balls or lumps between your fingers using the descriptions below.

    - None – the dry specimen crumbles with the slightest pressure of handling
    - Low – the dry specimen crumbles with some finger pressure
    - Medium – the dry specimen breaks into pieces or crumbles with considerable finger pressure
    - High – the dry specimen cannot be broken with finger pressure. The specimen will break into pieces between the thumb and a hard surface.
    - Very High – the dry specimen cannot be broken between the thumb and a hard surface

  - **Dilatency** (ASTM D2488; Table 9)

    FTM (Dilatency): Place enough material in your hand to form a ball approximately ½ inch in diameter and moisten with water until it can be

molded or shaped without sticking to your fingers (slightly below the sticky limit). Smooth the ball in the palm of one hand with the blade of a knife or small spatula. Shake horizontally, striking the side of the hand vigorously against the other several times. Note the reaction of water appearing on the surface of the soil. The soil is said to have given a reaction to this test if, when it is shaken, water comes to the surface of the sample producing a smooth, shiny appearance. Squeeze the sample between the thumb and forefinger and note the reaction as follows:

- None – no visible change in the specimen
- Slow – water slowly appears on the surface of the specimen during shaking and does not disappear or disappears slowly upon squeezing
- Rapid – water quickly appears on the surface of the specimen during shaking and disappears upon squeezing

- **Toughness** (ASTM D2488; Table 10)

FTM (Toughness): Following the dilatency test above, shape the test specimen into an elongated pat and roll by hand on a smooth surface or between palms into a thread about 1/8 inch in diameter. Fold the sample threads and re-roll repeatedly until the thread crumbles at a diameter of about 1/8 inch (e.g., near the plastic limit). Note the pressure required to roll the thread near the plastic limit as well as the strength of the thread. After the thread crumbles, lump the pieces together and knead the lump until it crumbles. Describe the toughness as follows:

- Low – only slight pressure is required to roll the thread near the plastic limit. The thread and the lump are weak and very soft.
- Medium – medium pressure is required to roll the thread to near the plastic limit. The thread and the lump are soft.
- High – considerable pressure is required to roll the thread to near the plastic limit. The thread and the lump are firm.

Using the results of the dry strength, dilatency, and toughness test described above, classify the soil according to the following:

Soil Symbol	Dry Strength	Dilatency	Toughness
Silt (ML)	None to low	Slow to rapid	Low or thread cannot be formed
Lean clay (CL)	Medium to high	None to slow	Medium
Elastic Silt (MH)	Low to medium	None to slow	Low to medium
Fat Clay (CH)	High to very high	None	Low to medium high

- **Plasticity** (ASTM D2488; Table 11)

  Two field test methods can be used to determine plasticity of fine-grained soils (material passing the No. 40 sieve): the roll or thread test and the ribbon test. Each test is described below.

  FTM (Roll or Thread Test): As with the toughness test above, mix a representative portion of the soil sample with water until it can be molded or shaped without sticking to your fingers (slightly below the sticky limit). Place an elongated cylindrical sample on a nonabsorbent rolling surface (e.g., glass or was paper on a flat surface) and attempt to roll it into a thread approximately 1/8 inch in diameter. The results of this test are defined below (non-plastic to high plasticity).

  FTM (Ribbon Test): Form a roll from a handful of moist soil (slightly below the sticky limit) about ½ to ¾ inches in diameter and about 3 to 5 inches long. Place the material in the palm of your hand and, starting at one end, flatten the roll between your thumb and forefinger to form the longest and thinnest ribbon possible that can be supported by the cohesive properties of the material before breaking. If the soil sample holds together for a length of 6 to 10 inches without breaking, the material is considered to be both highly plastic and highly compressive (Fat Clay, CH). If the soil cannot be ribboned, it is non-plastic (Silt, ML or MH). If it can be ribboned only with difficulty into short lengths, it has low plasticity (Lean Clay, CL). Use the following terms to describe the plasticity of soil:

- Nonplastic (ML or MH) – a 3 mm (0.12 inches) thread cannot be rolled at any water content
- Low Plasticity (CL, ML, or MH) – the thread can barely be rolled, and crumbles easily
- Medium Plasticity (CL) – the thread is easy to roll and not much time is required to reach the plastic limit before crumbling
- High Plasticity (CH) – it takes considerable time rolling and kneading to reach the plastic limit; the thread can be rolled several times before crumbling

Note: A soil with as little as 20% clay will behave as a clayey soil. A soil needs 45% to over 60% medium to coarse sand to behave as a sandy soil. In a soil with 20% clay and 80% sand, the soil will behave as a clayey soil.

- **Relative Density of Cohesionless (Granular) Soils**
  - Very loose – easily penetrated 30 cm (1.2 inches) with 13 mm (0.5 inch) rebar pushed by hand (SPT = 0 to 4)
  - Loose – easily penetrated several cm with 13 mm (0.5 inch) rebar pushed by hand (SPT = 4 to 10)
  - Medium dense – easily to moderately penetrated with 13 mm (0.5 inch) rebar driven by 2.3 kg (6 pound) hammer (SPT = 10 to 30)
  - Dense – penetrated 0.3 m (1 foot) with difficulty using 13 mm (0.5 inch) rebar driven by 2.3 kg (6 pound) hammer (SPT = 30 to 50)
  - Very dense – penetrated only a few cm with 13 mm (0.5 inch) rebar driven by 2.3 kg (6 pound) hammer (SPT = >50)
- **Color** (use Munsel® Color System, as necessary)
- **Particle Size** (see Figure 3)
  - Boulder – larger than a basketball
  - Cobble – grapefruit, orange, volleyball
  - Coarse Gravel – tennis ball, grape

- Fine Gravel – pea
- Coarse Sand – rock salt
- Medium Sand – opening in window screen
- Fine Sand – sugar, table salt
- Fines (silt and clay) – cannot visually determine size (unaided)

- **Gradation**
  - Well Graded (GW, SW) – full range and even distribution of grain sizes present
  - Poorly-graded (GP, SP) – narrow range of grain sizes present
  - Uniformly-graded (GP, SP) – consists predominantly of one grain size
  - Gap-graded (GP-SP) – within the range of grain sizes present, one or more sizes are missing

- **Organic Material** – Organic soils usually have a dark brown to black color and may have an organic odor. Often, organic soils will change color, for example, black to brown, when exposed to the air. Some organic soils will lighten in color significantly when air-dried. Organic soils normally will not have a high toughness or plasticity. The thread of the toughness test will be spongy.
  - PEAT – 50 to 100 percent organics by volume, primary constituent
  - Organic (soil name) – 15 to 50 percent organics by volume, secondary organic constituent
  - (Soil name) with some organics – 5 to 15 percent organics by volume, additional organic constituents

- **Fill Materials** – All soils should be examined to see if they contain materials indicative of man-made fills. Man-made fill items should be listed in each of the soil descriptions. Common fill indicators include glass, brick, dimensioned lumber, concrete, pavement sections, asphalt, metal, plastics, plaster etc. Other items that could suggest fill include buried vegetation mats, tree limbs, stumps etc. The soil description for a fill material should be followed by the term "FILL", i.e., for a sandy silt with some brick fragments the description would be "SANDY

SILT (ML), with brick fragments (Fill)". The size and distribution of fill indicators should be noted. The limits (depth range) of fill material should be determined and identified at each exploration location.

- **Other Constituents/Characteristics**
  - Additional constituents and/or pertinent soil characteristics not included in the previous categories should be described depending on the scope and objectives of the project. Observations that may be discussed include:
    - Oxide staining
    - Odor
    - Origin
    - Presence of root cast
    - Presence of mica
    - Presence of gypsum
    - Presence of calcium carbonate
    - Percent by volume of cobbles & boulders with size description and appropriate rock classification
  - Other pertinent information from the exploratory program should be recorded, if it would be useful from a biddability/constructability perspective. The conditions that should be listed include caving or sloughing, difficulty in drilling and groundwater infiltration.

SOIL DESCRIPTIONS

Generally, soil descriptions collected during most investigations are not intended for civil engineering (construction) purposes, but rather for hydrogeologic and contaminant transport purposes. As such, the ASTM visual-manual assessments are somewhat limited in that they are only performed in order to indicate important information about potential hydraulic properties of a soil. Soil descriptions should be concise, stressing major constituents and

characteristics, and should be given in a consistent order and format. The following order is recommended:

- Soil name. The basic name of the predominant grain size and a single-word modifier indicating the major subordinate grain size (i.e., mostly clay with some silt). The feel test can be used to determine the texture of the soil by rubbing some moist soil between your fingers; sand feels gritty, silt feels smooth, and clays feel sticky. The terms representing percentages of grain size to be used include:
    - Trace – particles are present, but estimated to be less than 5%
    - Few – 5 to 10%
    - Little – 15 to 25%
    - Some – 30 to 45%
    - Mostly – 50 to 100%
- Color (using Munsell® charts, as necessary). Color is an important property in identifying organic soils, and within a given locality it may also be useful in identifying materials of similar geologic origin. It the sample contains layers or patches of varying colors (e.g., mottled), this shall be noted and all representative colors shall be described. The color shall be described for moist samples, however if the color represents a dry condition, it must be stated as such in the log. Generally, colors become darker as the moisture content increases and lighter as the soil dries. Examples include:
    - Some fine-grained soils (OL, OH) with dark drab shades of brown or gray, including almost black, contain organic colloidal matter.
    - In contrast, clean, bright looking shades of gray, olive green, brown, red, yellow, and white are associated with inorganic soils.
    - Gray-blue or gray- and yellow-mottled colors frequently result from poor drainage.
    - Red, yellow, and yellowish brown result from the presence of iron oxides.

  - White to pink may indicate considerable silica, calcium carbonate, or aluminum compounds.

- Field moisture condition as dry, moist, or wet;
- 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 non-plastic, low, medium, or high, depending on the results of the manual evaluation for dry strength, dilatency, toughness, and plasticity discussed previously.
- Consistency/Density. An estimate of consistency of a cohesive soil or density of a granular soil, usually based on the SPT results (see Descriptive Terms section of this FOP);
- Soil Structure or Mineralogy. Description of discontinuities, inclusions, and structures, including joints, fissures, and slickensides.
- Odor. Describe the odor if organic or unusual. Soils containing a significant amount of organic material usually have a distinctive odor of decaying vegetation. This is especially apparent in fresh samples, but if the samples are dried, the odor may often be revived by heating a moistened sample. If the odor is unusual (petroleum, chemical, etc.), it should be noted in the log.
- Other important geologic information such as consolidation, gravel size and shape, visible internal structure, root holes, mica, odors, etc.

The first step when describing soil is to determine if the sample is predominantly fine-grained or coarse-grained (see Figures 3 and 4). Coarse-grained soils are relatively easy to identify, however descriptions of fine-grained soils can be more difficult, requiring additional field tests to assist the field geologist arrive at the proper soils classification (see **FTMs** under Descriptive Terms above). These tests are explained in detail in the ASTM Standard D2488 and briefly herein. Generally, the differentiation between silt and clay is based on plasticity and "texture". However, tests for dry strength and dilatency, along with plasticity,

can be very helpful and are recommended in the ASTM Standard. If additional tests are performed, in addition to plasticity, to classify the fines, record them with the soil description on the logs. Doing this will assist the reader (i.e., Project Manager) to follow the logic used to describe a soil (e.g., medium plasticity, low dry strength = elastic silt [MH]; not a lean clay [CL]).

Fines described in the classification should be modified by their plasticity (e.g., non-plastic fines, low plasticity fines, etc.) reserving the words "silt" and "clay" for the soil name.

In summary, adhering to the ASTM Standard and the guidelines outlined in this FOP will provide uniformity in soil descriptions provided by all field personnel. Prior to mobilization to the field, field staff should make sure to have laminated copies of the ASTM Standard flow charts and tables as well as this FOP (as necessary). Some examples of complete soil descriptions are as follows:

Coarse-grained Soil

POORLY GRADED FINE SAND w/ SILT: Dark grey, wet, mostly fine sand with some non-plastic fines, some iron-stained mottling, laminated, medium dense

Fine-grained Soil

LEAN CLAY: Dark reddish/brown, moist, mostly fines, medium plasticity, firm, no dilatency, medium dry strength, root holes.

Soil/Fill (option 1) – visual evidence of fill

FILL: Black, moist, mostly fines with some fine sand, slag, cinders, metal, brick, non-plastic, loose when disturbed, strong odor

Soil/Fill (option 2) – no visual evidence of fill, suspected reworked material

FILL (reworked): Black, moist, mostly fines with some fine sand and few coarse angular gravel, non-plastic, hard, loose when disturbed, mild odor

BORING AND MONITORING WELL INSTALLATION LOGS

Currently, Roux utilizes WinLoG software to construct subsurface logs and a template of the log is included in this FOP as an example. One of the most important functions of a boring/monitoring well installation log, besides transmitting the soil description, is to indicate where the "data" (soil samples) were collected, giving the reader an idea of how reliable or representative the description is. On each sample log, depths of attempted and recovered or non-recovered interval are shown. Odor, if noted, should be considered subjective and not necessarily indicative of specific compounds or concentrations.

Remember: all field logs should be NEAT, ACCURATE, and LEGIBLE. Don't forget that the well completion diagram completed for each well requires details of the surface completion (i.e., flush-mount, stick-up etc.). It is the responsibility of the field staff to double-check each log (i.e., soil names, classifications, well construction details etc.) prior to implementing into a final report. A registered professional (i.e., professional engineer, PE or professional geologist, PG) must review each log and will be ultimately responsible for its content and accuracy.

REQUIRED EQUIPMENT

- Knife
- Engineer's rule/measuring tape

- Permanent marker
- Pre-cleaned wide-mouth sample jars (typically provided by the driller)
- Pre-cleaned wide-mouth laboratory sample jars (provided by the laboratory)
- Stainless steel sampling equipment (i.e., spoons, spatulas, bowls etc.)
- 10x hand lens
- Hydrochloric acid
- ASTM D2488 flow charts (preferably laminated)
- ASTM D2488 test procedures (Tables 1 through 12) (preferably laminated)
- Camera (disposable, 35 mm or digital)
- Munsell soil color chart (as necessary)
- Project Field Book/field forms

ATTACHMENTS

Figure 1; Field Guide for Soil and Stratigraphic Analysis
Figure 2; USCS Soil Classification Flow Chart (modified from ASTM D2488)
Figure 3; Illustration of Particle Sizes
Figure 4; Grain-Size Scale (Modified Wentworth Scale)

Field Borehole Log (sample)

REFERENCES

American Society for Testing and Materials, 2008a. *ASTM D1586: Standard Test Method for Standard Penetration Test (SPT) and Split-Barrel Sampling of Soils*.

American Society for Testing and Materials, 2010. *ASTM D2487: Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)*.

American Society for Testing and Materials, 2009a. *ASTM D2488: Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)*.

State of California, Department of Transportation, Engineering Service Center, Office of Structural Foundations, August 1996. *Soil & Rock Logging Classification Manual (Field Guide), by Joseph C. de Larios.*

Roux FOPs:

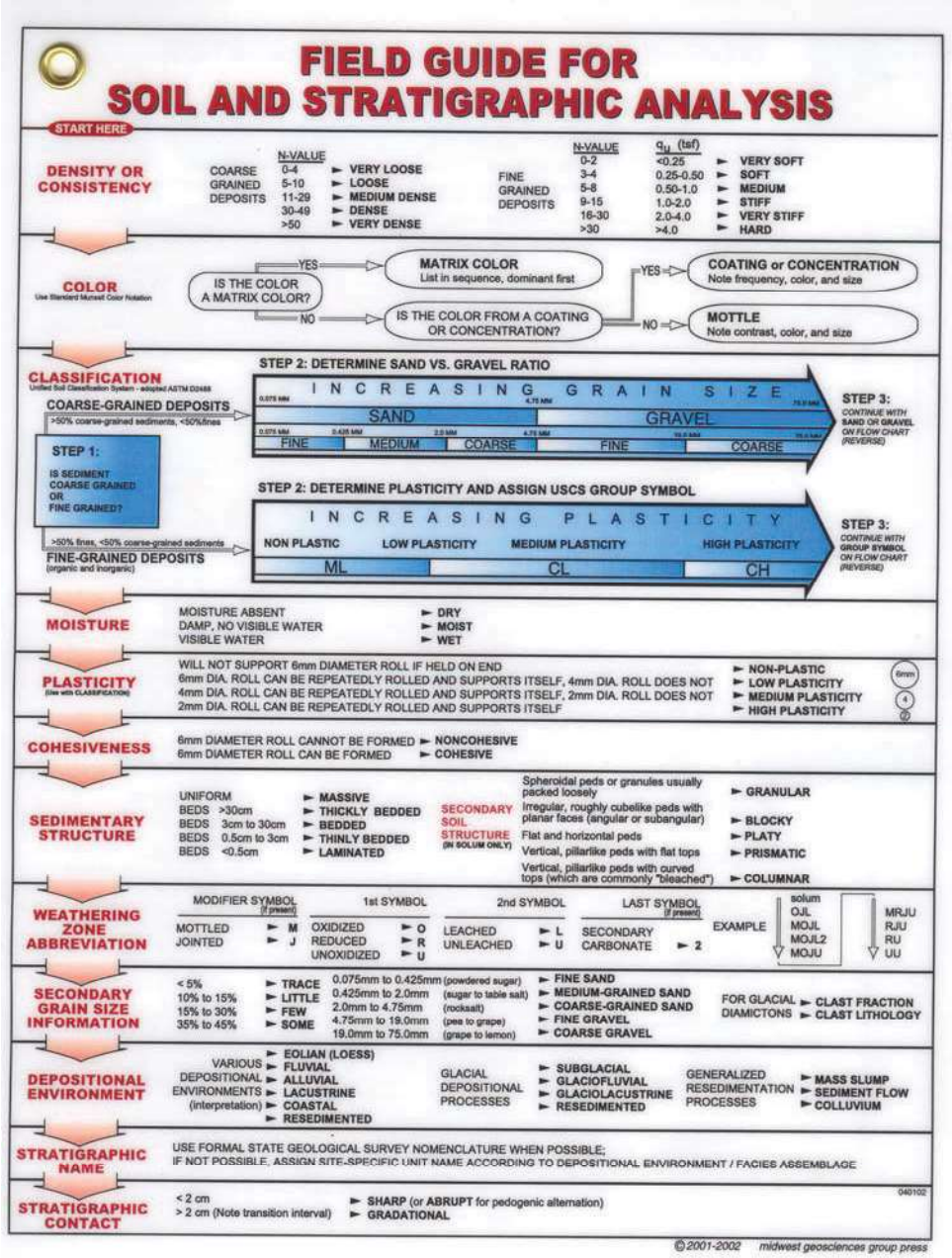
010 Calibration and Maintenance of Portable Flame Ionization Detector
011 Calibration and Maintenance of Portable Photoionization Detector
015 Documentation Requirements for Drilling and Well Installation
025 Hand Augering Procedures
032 Management of Investigation-Derived Waste
046 Sample Labeling, Storage and Shipment Procedures
047 Screening of Soil Samples for Organic Vapors During Drilling Activities
058 Split-Spoon Sampling Procedures
065 Test Pit Excavation and Logging Procedures

FOP 054.2

SOIL DESCRIPTION PROCEDURES USING THE VISUAL-MANUAL METHOD

FIGURE 1

FIELD GUIDE FOR SOIL AND STRATIGRAPHIC ANALYSIS



SOIL DESCRIPTION PROCEDURES USING THE VISUAL-MANUAL METHOD

FIGURE 2

USCS SOIL CLASSIFICATION FLOW CHART (MODIFIED FROM ASTM D2488)

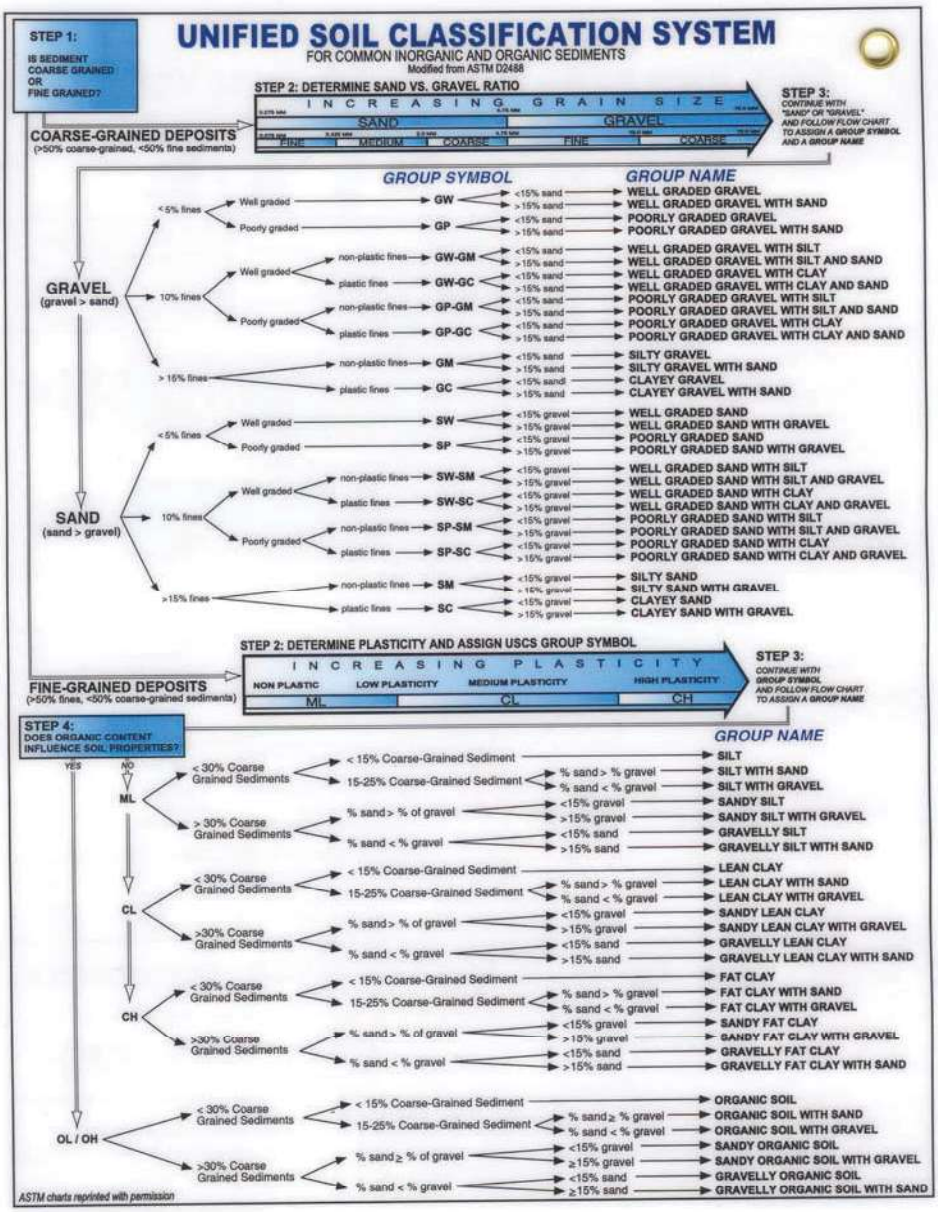


FIGURE 3

ILLUSTRATION OF PARTICLE SIZES

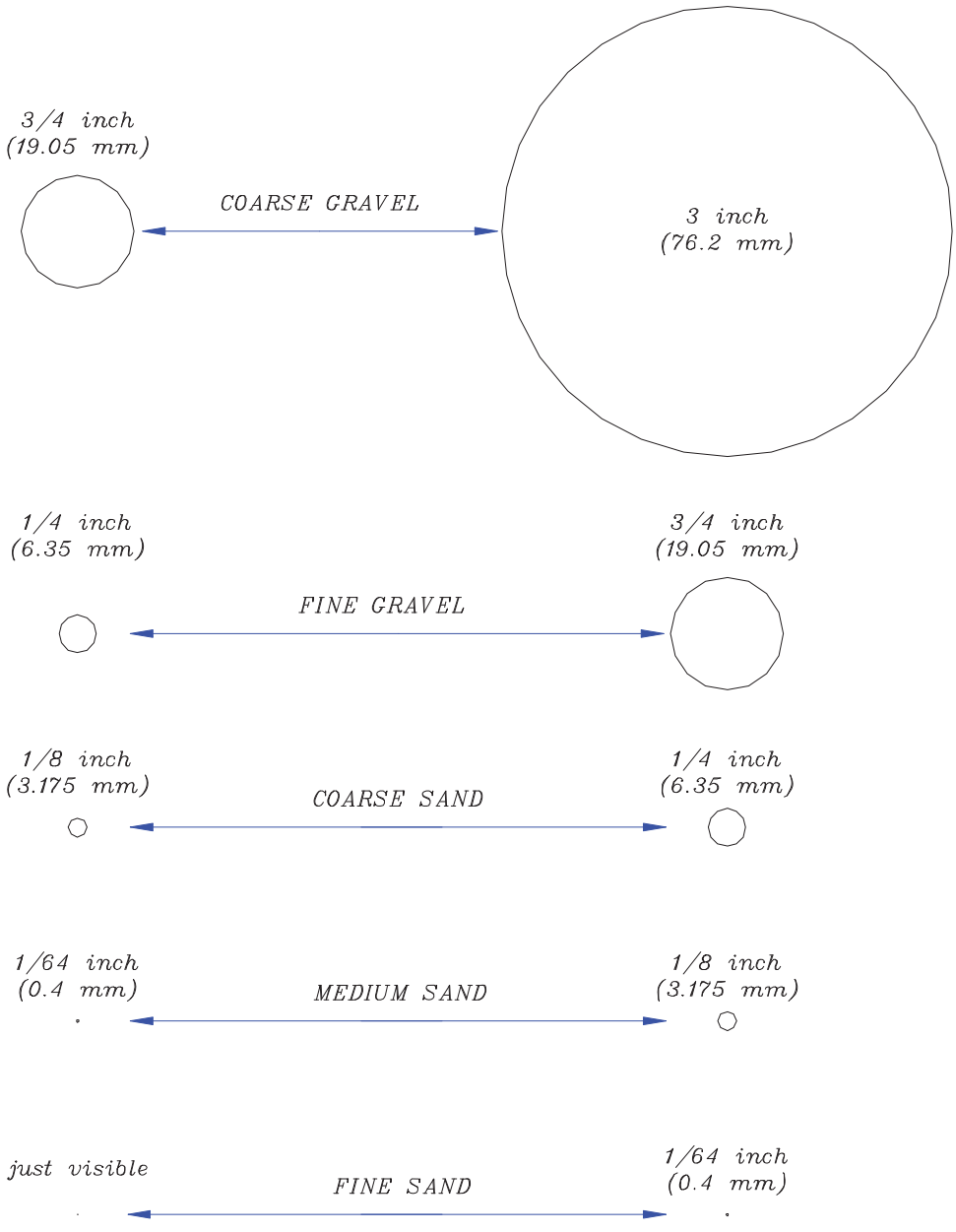


FIGURE 4

GRAIN-SIZE SCALE (MODIFIED WENTWORTH SCALE)

Grain size refers to the physical dimensions of particles of rock or other solid. This is different from the crystallite size, which is the size of a single crystal inside the solid (a grain can be made of several single crystals). Grain sizes can range from very small colloidal particles, through clay, silt, sand, and gravel, to boulders. Size ranges define limits of classes that are given names in the Wentworth scale used in the United States. The Krumbein *phi* (φ) scale, a modification of the Wentworth scale created by W. C. Krumbein, is a logarithmic scale computed by the equation: $\varphi = -\log_2$(grain size in mm).

φ scale	Size range (metric)	Size range (approx. inches)	Aggregate name (Wentworth Class)
< −8	> 256 mm	> 10.1 in	Boulder
−6 to −8	64–256 mm	2.5–10.1 in	Cobble
−5 to −6	32–64 mm	1.26–2.5 in	Very coarse gravel
−4 to −5	16–32 mm	0.63–1.26 in	Coarse gravel
−3 to −4	8–16 mm	0.31–0.63 in	Medium gravel
−2 to −3	4–8 mm	0.157–0.31 in	Fine gravel
−1 to −2	2–4 mm	0.079–0.157 in	Very fine gravel
0 to −1	1–2 mm	0.039–0.079 in	Very coarse sand
1 to 0	½–1 mm	0.020–0.039 in	Coarse sand
2 to 1	¼–½ mm	0.010–0.020 in	Medium sand
3 to 2	125–250 μm	0.0049–0.010 in	Fine sand
4 to 3	62.5–125 μm	0.0025–0.0049 in	Very fine sand
8 to 4	3.90625–62.5 μm	0.00015–0.0025 in	Silt
> 8	< 3.90625 μm	< 0.00015 in	Clay
<10	< 1 μm	< 0.000039 in	Colloid

In some schemes "gravel" is anything larger than sand (>2.0 mm), and includes "granule", "pebble", "cobble", and "boulder" in the above table. In this scheme, "pebble" covers the size range 4 to 64 mm (−2 to −6 φ).

SOIL DESCRIPTION PROCEDURES USING THE VISUAL-MANUAL METHOD

Project No: **Borehole Number:**

Project:

Client: *Logged By:*

Site Location: *Checked By:*

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
Benchmark Environmental Engineering & Science, PLLC
726 Exchange Street, Suite 624
Buffalo, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Elev. /Depth	Symbol	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm 0 25 50	Lab Sample	Well Completion Details or Remarks
0.0 / 0.0		Ground Surface							

Drilled By: *Hole Size:*
Drill Rig Type: *Stick-up:*
Drill Method: *Datum:*

Drill Date(s): *Sheet: 1 of 1*

ROUX

FIELD OPERATING PROCEDURES

Soil Sample Collection for VOC Analysis (EnCore Sampling)

FOP 057.0

SOIL SAMPLE COLLECTION FOR VOC ANALYSIS – ENCORE SAMPLING

BACKGROUND AND PURPOSE

This procedure describes the methods for collecting soil samples for VOC analysis to ensure that the sample adequately represents the VOC concentrations in the soil in accordance with SW-846 Method 5035A (effective July 1, 2002). These compounds tend to volatilize from the soil after disturbance or introduction to the atmosphere. Therefore, care must be exercised to ensure that the sample collected is not altered during the collection and storage procedures. A variety of sampling options are allowed and Appendix A of Method 5035A provides details regarding the many options available for sample collection. The collection and preservation procedures are intended to prevent loss of VOCs during sample transport, handling and analysis.

Method 5035A is a method designed for volatile sample collection and analysis of soils and solid wastes for volatile organic compounds. This method is described in Update III to the Third Edition of SW-846, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, and is required for all analytical methods using purge and trap techniques (8021, 8015B, and 8260B). Alternative protocols may be used in some states (including New York), however this method is strongly recommended.

The volatile analysis is performed over two ranges:

	GC/MS (µg/kg)	GC (µg/kg)
Low Level	5 – 300	Not Available
High Level	>250	>20

The different levels require different sampling techniques. The low level method can only handle samples within a specific concentration range (these samples CANNOT be diluted), therefore a high level sample MUST be collected to ensure that all the target analytes can be quantified.

Naturally occurring carbonates in some soils may cause effervescence (foaming) on contact with the sodium bisulfate (NaHSO4) solution used as preservative for the low-level preparation. This interference makes it necessary for the laboratory to use the high-level prep or an alternative technique for low level. Check with the NYSDEC to discuss acceptable options.

Typically, analytical laboratories will support the following options for the two levels:

Option	No. of Containers	Sample Size (g)	Holding Time (days)
A – Low Level EnCore™ Samplers	3*	5	14**
B – High Level EnCore™ Sampler	1*	5	14**
C – High Level Methanol vial w/syringe	1	10	14

* Additional EnCore™ Samplers are required for MS/MSD.

** The sample MUST be extracted and preserved in sodium bisulfate or methanol within 48 hours of collection.

NOTE: The EnCore™ Sampler is disposable – it can only be used ONCE. It CANNOT be cleaned and/or reused. The samplers MUST be used in conjunction with an EnCore™ T-handle.

PROCEDURE

The preferred method for collecting and storing a soil sample for VOC analysis is using the EnCore™ method. This field procedure is described in this FOP.

1. The sampling team should reference the manufacturers' directions prior to sample collection (attached).

    a. Ensure that the EnCore™ Sampler is present at the sampling location before collecting the sample from the borehole or surface sample location. The necessary parts of the EnCore™ Sampler will consist of three disposable coring bodies, three disposable caps, and a reusable stainless steel T-handle.

    b. Retrieve the sampling tool from the borehole or sample location.

    c. Expose a surface of the soil sample. For Shelby tube samples, this would require the extrusion of the sample. For split spoon samples, this would require the spoon be disassembled and opened. If liners are being used in conjunction with a split spoon or solid barrel sampler, this would require the removal of the liners from the sampler, so that the soil at the liner's end is exposed.

    d. Following the manufacturer's directions for the use of the EnCore™ Sampler (attached), collect three aliquots of soil from the exposed soil surface, using the three coring bodies. After the collection of each aliquot, cap and label each aliquot. The manufacturer's direction for use of the EnCore™ Sampler are attached

2. If the use of the EnCore™ Sampler is not possible due to soil texture (e.g. gravels) the sample must be field preserved with acid and methanol in accordance with SW-846 Method 5035A.

3. If the soil material is too coarse for sampling with the EnCore™ Sampler and contains excessive calcium carbonate material that reacts with the acid preservative, the sample will be retained in the brass or stainless steel liner of the split-spoon sampler or similar device. The ends of these liners will be covered with Teflon™ rounds, capped and sealed with tape.

4. Record all information associated with sample collection in the Project Field Book.

5. The samples will be labeled, stored and shipped in accordance with the Roux Field Operating Procedure for Sample Labeling, Storage and Shipment Procedures.

ATTACHMENTS

EnCore™ Sampling Procedure (manufacturers instructions)

REFERENCES

Roux FOPs:

046 Sample Labeling, Storage and Shipment Procedures

ATTACHMENT

EnCore™ Sampling Procedure (manufacturers instructions)

Disposable
En Core® Sampler

Sampling Procedures

Using The En Core® T-Handle

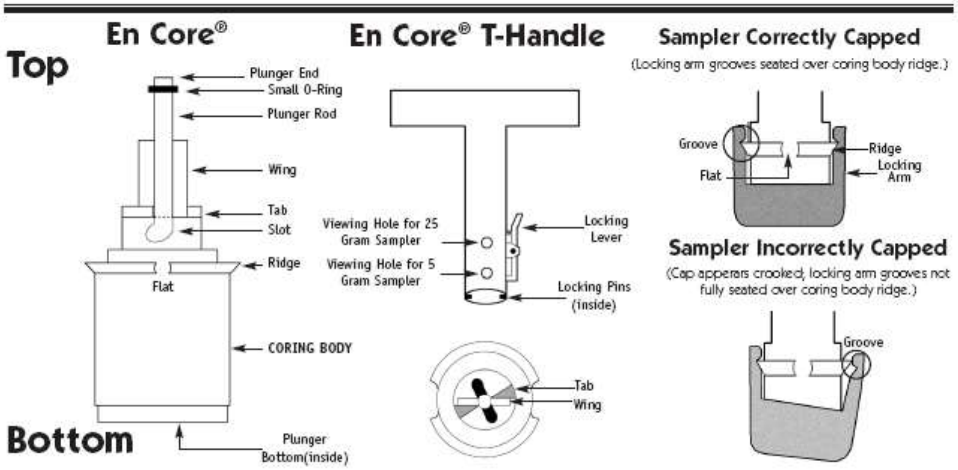
En Novative Technologies, Inc.
1241 Bellevue Street
Green Bay, WI 54302
Phone: 920-465-3960 • Fax: 920-465-3963
Toll Free: 888-411-0757
www.ennovativetech.com

NOTE:

1. En Core® Sampler is a SINGLE USE device. It cannot be cleaned and/or reused.

2. En Core® Sampler is designed to store soil. Do not use En Core Sampler to store solvent or free product!

3. En Core® Sampler must be used with En Core® T-Handle and/or En Core® Extrusion Tool exclusively. (These items are sold separately.)



BEFORE TAKING SAMPLE:

1. Hold **coring body** and push **plunger rod** down until **small o-ring** rests against **tabs**. This will assure that plunger moves freely.

2. Depress **locking lever** on En Core T-Handle. Place coring body, **plunger end first**, into open end of T-Handle, *aligning the (2) slots on the coring body with the (2) locking pins in the T-Handle*. Twist coring body clockwise to lock pins in slots. Check to ensure Sampler is locked in place. Sampler is ready for use.

TAKING SAMPLE:

3. Turn T-Handle with T-up and coring body down. This positions plunger bottom flush with bottom of coring body (ensure that plunger bottom is in position). Using T-Handle, push Sampler into soil until coring body is completely full. When full, small o-ring will be centered in T-Handle **viewing hole**. Remove Sampler from soil. Wipe excess soil from coring body exterior.

4. Cap coring body while it is still on T-handle. *Push* **cap** over **flat** area of **ridge** *and twist* to lock **cap** in place. **CAP MUST BE SEATED TO SEAL SAMPLER (see diagram).**

PREPARING SAMPLER FOR SHIPMENT:

5. Remove the capped Sampler by depressing locking lever on T-Handle while twisting and pulling Sampler from T-Handle.

6. Lock plunger by rotating extended plunger rod fully counter-clockwise until **wings** rest firmly against tabs (see plunger diagram).

7. Attach completed tear-off label (from En Core Sampler bag) to cap on coring body.

8. Return full En Core Sampler to zipper bag. Seal bag and put on ice.

Disposable En Core® Sampler

EXTRUSION PROCEDURES

USING THE En Core® EXTRUSION TOOL

CAUTION! Always use the Extrusion Tool to extrude soil from the En Core Sampler. If the Extrusion Tool is not used, the Sampler may fragment, causing injury.

1. Use a pliers to break locking arms on cap of En Core Sampler. Do not remove cap at this time. **(CAUTION: Broken edges will be sharp.)**

2. To attach En Core Sampler to En Core Extrusion Tool: Depress locking lever on Extrusion Tool and place Sampler, plunger end first, into open end of Extrusion Tool, aligning slots on coring body with pins in Extrusion Tool. Turn coring body clockwise until it locks into place. Release locking lever.

3. Rotate and gently push Extrusion Tool plunger knob clockwise until plunger slides over wings of coring body. (When properly positioned plunger will not rotate further.)

4. Hold Extrusion Tool with capped Sampler pointed upward so soil does not fall out when cap is removed. To release soil core, remove cap from Sampler and push down on plunger knob of En Core Extrusion Tool. Remove and properly dispose of En Core Sampler.

Warranty and Disclaimers

IMPORTANT: FAILURE TO USE THE EN CORE® SAMPLER IN COMPLIANCE WITH THE WRITTEN INSTRUCTIONS PROVIDED HEREIN VOIDS ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

PRINCIPLE OF USE. The En Core Sampler Cartridge System is a volumetric sampling system designed to collect, store and deliver a soil sample. The En Core Sampler comes in two sizes for sample volumes of approximately 25 or 5 grams. There are four components: the cartridge with a movable plunger; a cap with two locking arms; a T-handle (purchased separately); and an extrusion handle (purchased separately). NOTE: The En Core Sampler is designed to store soil. It is not designed to store solvent or free product.

The soil is stored in a sealed headspace-free state. The seals are achieved by three special Viton® * o-rings, two located on the plunger and one on the cap of the Sampler. At no time and under no condition should these o-rings be removed or disturbed.

QUALITY CONTROL. The cartridge is sealed in an airtight package to prevent contamination prior to use. Due to the stringent quality control requirements associated with the use of this system, the disposable cartridge is designed to be used only once.

WARRANTY. En Novative Technologies, Inc. ("En Novative Technologies") warrants that the En Core Sampler shall perform consistent with the research conducted under En Novative Technologies' approval, within thirty (30) days from the date of delivery, provided that the Customer gives En Novative Technologies prompt notice of any defect or failure to perform and satisfactory proof thereof. THIS WARRANTY DOES NOT APPLY TO THE FOLLOWING, AS SOLELY DETERMINED BY EN NOVATIVE TECHNOLOGIES: (a) Damage caused by accident, abuse, mishandling or dropping; (b)Samplers that have been opened, taken apart or mishandled; (c)Samplers not used in accordance with the directions; and (d)Damages exceeding the cost of the sampler. Seller warrants that all En Core Samplers shall be free from defects in title. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, WHETHER ORAL, WRITTEN, EXPRESSED, IMPLIED OR STATUTORY, INCLUDING ANY INFORMATION PROVIDED BY SALES REPRESENTATIVES OR IN MARKETING LITERATURE. IMPLIED WARRANTIES OF FITNESS AND MERCHANTABILITY SHALL NOT APPLY. En Novative Technologies' warranty obligations and Customer's remedies, except as to title, are solely and exclusively as stated herein.

LIMITATION OF LIABILITY. IN NO EVENT SHALL EN NOVATIVE TECHNOLOGIES BE LIABLE FOR ANTICIPATED PROFITS, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF REVENUE, DOWN TIME, REMEDIATION ACTIVITIES, REMOBILIZATION OR RESAMPLING, COST OF CAPITAL, SERVICE INTERRUPTION OR FAILURE OF SUPPLY, LIABILITY OF CUSTOMER TO A THIRD PARTY, OR FOR LABOR, OVERHEAD, TRANSPORTATION, SUBSTITUTE SUPPLY SOURCES OR ANY OTHER EXPENSE, DAMAGE OR LOSS, INCLUDING PERSONAL INJURY OR PROPERTY DAMAGE. En Novative Technologies' liability on any claim of any kind shall be replacement of the En Core Sampler or refund of the purchase price. En Novative Technologies shall not be liable for penalties of any description whatsoever. In the event the En Core Sampler will be utilized by Customer on behalf of a third party, such third party shall not occupy the position of a third-party beneficiary of the obligation or warranty provided by En Novative Technologies, and no such third party shall have the right to enforce same. All claims must be brought within one (1) year of shipment, regardless of their nature.

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ROUX

FIELD OPERATING PROCEDURES

Split-Spoon Sampling Procedures

FOP 058.0

SPLIT-SPOON SAMPLING PROCEDURES

PURPOSE

This guideline presents the methods for using a split-spoon sampler for collecting soil samples from a boring and for estimating the relative in-situ compressive strength of subsurface materials (ASTM D 1586). Representative samples for lithologic description, geochemical analysis, and geotechnical testing will be collected from the subsurface materials using the split-spoon sampler.

PROCEDURE

1. Place plastic sheeting on a sturdy surface to prevent the split-spoon and its contents from coming in contact with the surface (several layers of sheeting may be placed on the surface so that they may be removed between each sample or as needed).

2. Lower the sampling string to the base of the borehole. Measure the portion of the sampling string that extends above surrounding grade (i.e. the stickup). The depth of sampling will equal the total length of the string (sampler plus rods) minus the stickup length.

3. Measure sampling depths to an accuracy of 0.1 feet. If field measurements indicate the presence of more than 0.3 feet of disturbed materials in the base of the borehole (i.e. slough), the sampler will be used to remove this material, after which a second sampling trip will be made.

4. Select additional sampler components as required (i.e., leaf spring core retainer for clays or a sand trap for non-cohesive sands). If a retainer or trap is not used, a spacer ring will be used to hold the liners in position inside the sampler.

5. For driving samples, attach the drive head sub and hammer to the drill rods without the weight resting on the rods. For pushing samples using the rig hydraulics, skip to Step 9.

6. Mark four 6-inch intervals on the drill rods relative to a reference point on the drill rig. With the sampler resting on the bottom of the hole, drive the sampler with the 140 lb. hammer falling freely over a 30-inch fall until 24 inches have been penetrated or 50 blows applied.

7. Record the number of blows per 6 inches. Determine the "N" value by adding the blows for the 6 to 12-inch and 12 to 18-inch intervals of each sample drive.

8. After penetration is complete, remove the sampling string. Avoid removing sampling string by hitting up on the string with the hammer as this can cause the sample to fall from the bottom of the split-spoon sampler. The sampling string should be removed via cable lifting or rig hydraulics. If sample retention has been poor, let the sampling string rest in place for at least 3 minutes, then rotate clockwise at least 3 times before removing from the borehole.

9. For pushed samples (i.e., using rig hydraulics), mark four 6-inch intervals on the drill rods relative to a reference point on the rig. Use the rig pull-down to press the sampler downward until 24 inches have been penetrated or no further progress can be made with the full weight of the rig on the sampler.

10. Remove the split-spoon sampler from the sampling string and place on the plastic-covered surface.

11. Open the split-spoon sampler only when the Roux field geologist is prepared to describe and manage the sample.

12. Describe the sample in accordance with the Unified Soil Classification System in accordance with the Roux FOP: Soil Description Procedures Using the Unified Soil Classification System (USCS).

13. Record all information in accordance with Roux's FOP: Documentation Requirements for Drilling and Well Installation.

14. Collect a portion of the sample for field screening as described in the Roux FOP: Screening of Soil Samples for Organic Vapors During Drilling Activities.

15. If applicable, collect soil samples for volatile organic constituents (VOCs). If applicable, collect sample for semi-volatile, metals, geotechnical, or other off-site analysis.

16. The samples will be labeled, stored and shipped in accordance with the Roux's FOP: Sample Labeling, Storage and Shipment Procedures.

ATTACHMENTS

none

REFERENCES

Roux FOPs:

015 Documentation Requirements for Drilling and Well Installation
046 Sample Labeling, Storage and Shipment Procedures
047 Screening of Soil Samples for Organic Vapors During Drilling Activities
054 Soil Description Procedures Using the Unified Soil Classification System (USCS)

ROUX

FIELD OPERATING PROCEDURES

Surface and Subsurface Soil Sampling Procedures

FOP 063.2

SURFACE AND SUBSURFACE SOIL SAMPLING PROCEDURES

PURPOSE

This procedure describes the methods for sampling surface soil and subsurface soil samples for physical and chemical laboratory analysis during intrusive activities such as test pitting, hand augering, drilling, surface soil sampling etc. Typical health and safety related issues should be addressed in the Project Health and Safety Plan.

PRE-SAMPLING PROCEDURES

1. Review project objectives and the Project Health and Safety Plan (HASP).

2. Conduct tailgate health and safety meeting with project team and/or subcontractor(s) by completing the Tailgate Safety Meeting Form (sample attached).

3. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

4. Commence intrusive activities in accordance with specific Roux FOPs (test pitting, hand augering, drilling etc.) or as directed by the Project Work Plan.

5. Conduct air monitoring as required by the HASP, Project Work Plan or Roux's FOP Real-Time Air Monitoring During Intrusive Activities. Record all results on the Real Time Air Monitoring Log (sample attached).

6. Decontaminate all non-dedicated stainless steel (or Pyrex glass) equipment in accordance with Roux's Non-disposable and Non-dedicated Sampling Equipment Decontamination procedures.

7. Collect soil samples in accordance with the following sections.

SURFACE AND SUBSURFACE SOIL SAMPLING PROCEDURES

SURFACE SOIL/FILL SAMPLING PROCEDURES

Collection of surface soil/fill samples facilitates the evaluation of potential health risks to current site receptors that may be exposed to soil/fill via direct contact, incidental ingestion, or inhalation of airborne particulates. The following procedure is in accordance with NYSDEC sampling protocol of surface soil/fill material.

1. Collect all soil samples using dedicated (or decontaminated non-dedicated) sampling tools (i.e., spoons, trowels, bowls etc.), preferably constructed of stainless steel.

2. If the sample area is vegetated, then collect the surface soil sample from 0 to 2 inches below ground surface (bgs) following removal of the sod.

3. If there is no soil present within the sample area (i.e., only slag, concrete, mixed with fines), excavate an area 12 inches by 12 inches by 6 inches deep, screen the material to less than 1/8 inch (No. 4 sieve), and submit the screened material for analysis. If there is not enough material to completely fill the sample jar, then expand the excavation 3 inches in all four directions screening the additional material. Expand the excavation in this manner until sufficient sample volume is obtained. Volatile organic analysis of surface soil/fill utilizing this method will yield negatively biased results and should not be performed.

SURFACE/SUBSURFACE SOIL SAMPLING PROCEDURES

1. Collect all soil samples using dedicated (or decontaminated non-dedicated) sampling tools (i.e., spoons, trowels, bowls etc.), preferably constructed of stainless steel.

   Surface soil samples are typically collected from 0 to 6 inches below ground surface (bgs). Subsurface soils are typically sampled from varying depths greater than 6-inches bgs based on field observations and as directed by the Project Work Plan.

2. Transfer samples for chemical (VOC, SVOC, Metals etc.) and physical (i.e., Atterberg Limits, Grain Size, Permeability etc.) analytical testing by direct grab (i.e., directly from the bucket of the excavation equipment, split-spoon sampler, hand auger etc.) using the dedicated (or decontaminated non-dedicated) sampling tools into appropriate laboratory-supplied containers and seal. The chemical or physical laboratory selected to perform the analysis should determine minimum sample volume for analysis.

3. Prepare collected samples in accordance with Roux's FOP: Sample Labeling, Storage and Shipment Procedures. Do not allow the chemical soil samples to freeze during storage and shipping. It should be noted, ice is not required for physical soil samples and all physical soil samples should be kept at the collected soil moisture by securing with a tight sealing lid. Do not allow physical soil samples to gain or lose moisture from the collected soil moisture prior to analysis.

4. Record all sampling details (i.e., depth and location) in the Project Field Book; appropriate Roux log sheets depending on method of intrusion (i.e., drilling, test pitting, hand augering etc.); and on the Soil/Sediment Sample Collection Summary Log (sample attached).

PARAMETER-SPECIFIC PROCEDURES

1. Volatile Organic Compound (VOCs): Transfer sufficient soil volume to fill the laboratory-supplied container (typically 4 ounces) by packing the soil sample with the sampling tool to the top of the container leaving no headspace. At no time should a gloved hand (i.e., latex, nitrile etc.) be used to pack the sample into the sample container as the sample may be compromised via cross-contamination.

2. All Other Parameters: All other parameters include, but are not limited to, Semi-VOCs (SVOCs), polychlorinated biphenyls (PCBs), herbicides, pesticides, total metals etc. Transfer sufficient soil volume to fill the laboratory-supplied container by packing the soil sample with the sampling

tool to the top of the container. Unless otherwise indicated by the laboratory or the Project Work Plan, the sample jar for all other parameters does not have to be packed completely leaving no headspace as with the VOC containers.

ATTACHMENTS

Tailgate Safety Meeting Form (sample)
Soil/Sediment Sample Collection Summary Log (sample)
Real Time Air Monitoring Log (sample)

REFERENCES

Roux FOPs:

006 *Calibration and Maintenance of Combustible Gas/Oxygen Meter*
010 *Calibration and Maintenance of Portable Flame Ionization Detector*
011 *Calibration and Maintenance of Portable Photoionization Detector*
040 *Non-disposable and Non-dedicated Sampling Equipment Decontamination*
046 *Sample Labeling, Storage and Shipment Procedures*
073 *Real-Time Air Monitoring During Intrusive Activities*

TAILGATE SAFETY MEETING FORM

Project Name: Date: Time:
Project Number: Client:
Work Activities:

HOSPITAL INFORMATION:

Name:
Address: *City:* *State:* *Zip:*
Phone No.: *Ambulance Phone No.*

SAFETY TOPICS PRESENTED:

Chemical Hazards:

Physical Hazards: Slips, Trips, Falls

PERSONAL PROTECTIVE EQUIPMENT:

Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D

New Equipment:

Other Safety Topic (s): Environmental Hazards (aggressive fauna)
Eating, drinking, use of tobacco products is prohibited in the Exclusion Zone (EZ)

ATTENDEES

Name Printed	Signatures

Meeting conducted by:

SURFACE AND SUBSURFACE SOIL SAMPLING PROCEDURES

SOIL/SEDIMENT

SAMPLE COLLECTION SUMMARY LOG

Field ID	Location	QC Type	Depth (feet)		Analytical Parameters	Containers	Date	Time	Sampler Initials	Comments (e.g. problems encountered, ref. to variance, location changes, depth changes, important matrix observations or description, gravel thickness, etc.)
			from	to						

Equipment Rinsate Blanks - Pour deon deionized water over or through decontaminated sampling equipment into sample containers. Collect at a frequency of 1 per sampling method per day. Analyze for all those parameters analyzed for in the samples collected the same day. HSL Metals can be substituted by only the Metals analyzed for that day (except Hex. under Chromium which needs a separate container). Match equipment used for constituents of concern to rinsate analyte. Note deionized water lot # or distilled water manufacturers info etc. here.

MS/MSD/MSB - Collect at a frequency of 1 per 20 samples of each matrix per day. Analyze for all those parameters analyzed for the samples collected the same day.

Field Blank - Pour deon deionized water (used as final deon rinse water) into sample containers while at the sampling site. Collect field blanks at a frequency of 1 per lot of deionized water. Note water lot number and dates in use for decon in 'Comments' section.

Investigation Derived Waste (IDW) Characterization samples - One composite sample from all drums of decon fluids and soil. Please note number of drums and labels on collection log.

Notes:

1. See QAPP for sampling frequency and actual number of QC samples.
2. CWM - clear, wide-mouth glass jar with Teflon-lined cap.
3. HDPE - high density polyethylene bottle.
4. MS/MSD/MSB - Matrix Spike, Matrix Spike Duplicate, Matrix Spike Blank
5. BD - Blind Duplicate - indicate location of duplicate.

REAL TIME AIR MONITORING LOG

Date:
Project Name:
Project Number:
Project Location:
Client:
Purpose of Air Monitoring:

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:		
Wind Direction:		
Wind Speed:		
Precipitation:		

Date	Personnel	Time	Air Monitoring Meter Measurement (Units)							Location/Activity/Comments
			PID (ppm)	LEL (%)	H_2S (ppm)	O_2 (%)	CO (ppm)	Particulates (mg/m^3)	Other	

NOTE: SEE EQUIPMENT CALIBRATION LOG FOR DESCRIPTION OF EQUIPMENT TYPE.

Prepared By: Date:

ROUX

FIELD OPERATING PROCEDURES

Test Pit Excavation and Logging Procedures

FOP 065.1

TEST PIT EXCAVATION & LOGGING PROCEDURES

PURPOSE

This procedure describes the methods for completing test pits, trenches, and other excavations that may be performed to expose subsurface soils or materials. In most cases, these pits will be mechanically excavated, using a backhoe, trackhoe, or other equipment. Because pits and other excavations can represent a substantial physical hazard, it requires a particular focus on safety procedures. The Project Health and Safety Plan identifies practices related to excavation permits, entry, and control that must be incorporated into excavation activities.

EXCAVATION PROCEDURE

1. Review project objectives and the Project Health and Safety Plan (HASP).

2. Perform excavation equipment safety checks with the operator. Specific concerns should include, but not limited to, no leaking hydraulic lines, fire extinguisher on board of the excavation equipment, operator experience etc.

3. Conduct tailgate health and safety meeting with project team and excavation operator(s) by completing the Tailgate Safety Meeting Form (sample attached).

4. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

5. Conduct air monitoring as required by the HASP and/or Project Work Plan. Record all results on the Real Time Air Monitoring Log (sample attached).

6. Mobilize the excavation equipment to the site and position over the required location.

7. Select excavation locations, which provide necessary information for achieving objectives. Check locations with owner/operator to ensure excavation

operations will not interfere with site operations, and select appropriate access routes.

8. Stake locations in the field and measure distance from locations to nearest landmarks. Survey location, if required.

9. Obtain clearances from appropriate utilities and, if buried waste/metallic objects are suspected, screen location with appropriate geophysical methods, as necessary.

10. Decontaminate excavation equipment in accordance with Roux's Drilling and Excavation Equipment Decontamination procedures.

11. Excavate pits. In uncontrolled areas, excavate only as many test pits as can be backfilled during the same day. Generally, allow equal time for excavation and backfilling. To the extent practicable, no pits should be left open overnight in an uncontrolled area. If sudden weather changes or other unforeseen events necessitate this, pits will be covered and/or barricaded and flagged with caution/hazard tape. These pits should be backfilled as soon as possible.

12. The Roux field geologist or experienced professional should determine the depth of excavation. The depth is generally limited by the safe reach of the selected equipment, but may also be limited by the stability of the excavated materials (i.e. wall stability).

13. Excavate the test pits in compliance with applicable safety regulations. In no case should a pit deeper than 4 feet be entered without first stabilizing the sidewalls by using forms, or by terracing or sloping (2:1 slope maximum) the sidewalls.

14. Excavated spoils must be placed no closer than 2 feet from the open excavation.

15. Collect soil samples from pit sidewalls in accordance with Roux's Surface and Subsurface Soil Sampling Procedures. If the test pit is greater than 4 feet in depth, it will not be entered for sampling. In this event, collect

samples using the backhoe bucket, then fill sample containers from the center of the bucket using the stainless steel sampling equipment (i.e., spoon, spade, trowel etc.) or drive a Shelby tube or EnCore™ sampler for VOCs.

16. Record excavation observations in the Project Field Book or Test Pit Excavation Log form (sample attached). Information recorded should include:

- Physical dimension of the pit;
- A scaled sketch of one side of the pit showing any lithologic contacts, zones of groundwater seepage, other special features (jointing, boulders, cobbles, zones of contamination, color abnormalities, etc.)
- General information such as project number, pit designation number, depth, date, name of responsible professional (i.e., geologist), type of excavating equipment utilized, time of excavation and backfilling, method of collecting samples and amount of sample collected (if applicable);
- Rate of groundwater inflow, depth to groundwater and time of measurement; and
- Unified Soil Classification System (USCS) designation of each distinctive unit.

17. Photograph each excavation, highlighting unique or important features. Use a ruler or other suitable item for scale. Include a label with the pit designation so the developed picture will be labeled.

18. Backfill pit to match the existing grade compacting in 2 to 3 foot lifts. Since the excavated material should be cover soil, the excess soil will be placed back into the hole. The Roux Field Team Leader will provide direction on whether excavated soils may be used as fill, or these materials are to be containerized as investigation derived waste.

ATTACHMENTS

Tailgate Safety Meeting Form (sample)
Real Time Air Monitoring Log (sample)
Test Pit Excavation Log (sample)

REFERENCES

Roux FOPs:

006 Calibration and Maintenance of Combustible Gas/Oxygen Meter
010 Calibration and Maintenance of Portable Flame Ionization Detector
011 Calibration and Maintenance of Portable Photoionization Detector
018 Drilling and Excavation Equipment Decontamination
063 Surface and Subsurface Soil Sampling Procedures

TAILGATE SAFETY MEETING FORM

Project Name: Date: Time:
Project Number: Client:
Work Activities:

HOSPITAL INFORMATION:

Name:
Address: *City:* *State:* *Zip:*
Phone No.: *Ambulance Phone No.*

SAFETY TOPICS PRESENTED:

Chemical Hazards:

Physical Hazards: Slips, Trips, Falls

PERSONAL PROTECTIVE EQUIPMENT:

Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D

New Equipment:

Other Safety Topic (s): Environmental Hazards (aggressive fauna)
Eating, drinking, use of tobacco products is prohibited in the Exclusion Zone (EZ)

ATTENDEES

Name Printed	Signatures

Meeting conducted by:

REAL TIME AIR MONITORING LOG

Date:
Project Name:
Project Number:
Project Location:
Client:
Purpose of Air Monitoring:

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:		
Wind Direction:		
Wind Speed:		
Precipitation:		

Date	Personnel	Time	Air Monitoring Meter Measurement (Units)							Location/Activity/Comments
			PID (ppm)	LEL (%)	H_2S (ppm)	O_2 (%)	CO (ppm)	Particulates (mg/m³)	Other	

NOTE: SEE EQUIPMENT CALIBRATION LOG FOR DESCRIPTION OF EQUIPMENT TYPE.

Prepared By: Date:

TEST PIT EXCAVATION LOG

Project:	TEST PIT I.D.:
Project No.	Excavation Date:
Client:	Excavation Method:
Location:	Logged / Checked By:

Test Pit Location: *NOT TO SCALE*

Test Pit Cross Section:

TIME		
Start:	Length:	(approx.)
End:	Width:	(approx.)
	Depth:	(approx.)

Depth (fbgs)	USCS Symbol & Soil Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)

COMMENTS:			
GROUNDWATER ENCOUNTERED:	yes	no	If yes, depth to GW:
VISUAL IMPACTS:	yes	no	Describe:
OLFACTORY OBSERVATIONS:	yes	no	Describe:
NON-NATIVE FILL ENCOUNTERED:	yes	no	
OTHER OBSERVATIONS:	yes	no	Describe:
SAMPLES COLLECTED:	yes	no	Sample I.D.:
			Sample I.D.:
			Sample I.D.:

ROUX

FIELD OPERATING PROCEDURES

Well/Piezometer Construction Materials and Design

FOP 070.0

WELL/PIEZOMETER CONSTRUCTION MATERIALS AND DESIGN

PURPOSE

This guideline presents construction materials and design requirements for monitoring well/piezometer installations in accordance with NYSDEC recommended specifications (6NYCRR Part 360).

CONSTRUCTION MATERIALS

1. Well Screen and Riser – Only new flush threaded screen and riser materials will be used. Screen and riser materials, well dimensions, screen slot opening size and length to be determined based on formation characteristics and suspect water quality or as specified by the project geologist/hydrogeologist. A vented cap or J-plug should be placed over the riser. A V-slot cut in the riser or permanent marking, both placed on the north side of the riser, will act as a monitoring reference point.

2. Bentonite Well Seal – The bentonite should be from a commercial source free of chemical additives (granular or powdered for grout and pelletized for seal).

3. Concrete – Low heat of hydration concrete should be used for grout and cementing protective casing if well construction materials are composed of PVC (ASTM Type II or Type IV Portland Cement).

4. Water – Water should be from a potable source of known chemistry and free of chemical constituents which may compromise integrity of installation.

5. Grout – Mixture of bentonite, cement and water in accordance with the following specifications. Premix bentonite and water prior to adding cement.

   Grout Slurry Composition (% Weight)

1.5 to 3.0%	-	Bentonite (Quick Gel)
40 to 60 %	-	Cement (Portland Type I)
40 to 60 %	-	Potable Water

6. Filter Pack – The filter pack should consist of clean, inert, siliceous, rounded to subrounded particles. Filter pack particle size is dependent on the formation and the slot size of the screen.

   A secondary filter about 6-inches thick may be placed between filter pack and the bentonite seal and potentially between the bentonite seal and the grout backfill, to minimize grout penetration of the seal. A uniformly graded fine sand (100% passing No. 30 sieve) should be used as a secondary filter.

7. Protective Casing, Locking Cap and Lock – Protective casing with a lockable cap should be cemented in place around the riser. The inside diameter of the protective casing should be a minimum of 2-inches larger than the outside diameter of the well riser. The annular space between the casing and the riser should be filled with pea gravel or coarse sand. A weep hole should be drilled near the base of the casing to facilitate drainage of standing water. If more than one well is installed, all locks should be keyed alike.

8. A sample of all cement, bentonite and sand used in well construction should be saved in a labeled, Teflon-sealed, precleaned glass jar.

REFERENCES

New York State Department of Environmental Conservation, July 1988, *Drilling and Monitoring Well Installation Guidance Manual.*

Driscoll, F.G., 1987, *Groundwater and Wells*, Johnson Division, St. Paul, Minnesota, p. 1089.

Sara, M. N., *Proposed Recommended Practice for Design and Installation of Ground Water Monitoring Wells in Aquifers: ASTM Subcommittee D18.21.*

ROUX

FIELD OPERATING PROCEDURES

Real-Time Air Monitoring During Intrusive Activities

FOP 073.2

REAL-TIME AIR MONITORING DURING INTRUSIVE ACTIVITIES PROCEDURE

PURPOSE

This guideline presents requirements for real-time community air monitoring and required responses during all project required intrusive activities, such as drilling, test pitting, earthwork construction etc. This procedure is consistent with the requirements for community air monitoring for all intrusive projects, including projects conducted at remediation sites, as established by the New York State Department of Health (NYSDOH) and the New York State Department of Environmental Conservation (NYSDEC). Accordingly, it follows procedures and practices outlined under NYSDEC's DER-10 (May 2010) Appendix 1A (NYSDOH's Generic Community Air Monitoring Plan) and Appendix 1B (Fugitive Dust and Particulate Monitoring).

This FOP requires real-time monitoring for constituents of concern (COC) (i.e., volatile organic compounds (VOCs), lower explosive limit (% LEL), particulates (i.e., dust) etc.) at the upwind and downwind perimeter as well as the exclusion zone of a project site during all intrusive activities. This FOP is not intended for use in establishing action levels for worker respiratory protection (see Project Health and Safety Plan (HASP) for worker protection action levels). Rather, its intent is to provide a measure of protection for the surrounding community from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The community, as referenced in this document, includes any off-site residences, public buildings/grounds and commercial or industrial establishments adjacent to the project site. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, this FOP helps to confirm that work activities did not spread contamination off-site through via air transport mechanisms. Community air monitoring shall be integrated with the construction

worker personal exposure-monitoring program contained in the project and site-specific HASP.

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for volatile organic compounds (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 NYSDEC/NYSDOH staff.

MONITORING & MITIGATION PROCEDURE

Real-time air monitoring perimeter locations for monitoring stations will be established based on the location of the exclusion zone (i.e., immediate work area) and wind direction. Where wind direction is shifting or winds are calm, the downwind monitoring location will default to the perimeter location nearest the most sensitive receptor (i.e., residential property). All downwind receptors being equal, the downwind monitoring location will default to the perimeter location downwind of the prevailing winds at the site. Although additional site specific COCs may be monitored during real-time air monitoring activities, the most common COCs are discussed in this FOP, including organic vapors (i.e., VOCs), airborne particulates (i.e., fugitive dust) and combustible gases (i.e., methane) and oxygen.

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

ORGANIC VAPORS

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. 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.

- 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.

- 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.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

- All 15-minute readings must be recorded and be available for State (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

- **Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures**

    - 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.

- 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). 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.

- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m3, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m3 or less at the monitoring point.

- 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 Response levels and actions should be pre-determined, as necessary, for each site.

Additionally, if following the cessation of work and efforts to abate the emission source are unsuccessful, and if sustained organic vapor levels exceed 25 ppm above background within the 20-foot zone for more than 30 minutes, then the **Major Vapor Emission Response Plan** (see below) will automatically be placed into effect.

Major Vapor Emission Response Plan

Upon activation of Major Vapor Emission Response Plan, the following activities will be undertaken:

1. All Emergency Response Contacts as listed below and in the Site-Specific Health and Safety Plan will be contacted.

2. The local police authorities will immediately be contacted by the Site Safety and Health Officer and advised of the situation.

3. The Site Safety and Health Officer will determine if site workers can safely undertake source abatement measures. Abatement measures may include covering the source area with clean fill or plastic sheeting, or consolidating contaminated materials to minimize surface area. The Site Safety and Health Officer will adjust worker personal protective equipment as necessary to protect workers from over-exposure to organic vapors.

The following personnel are to be notified by the Site Safety and Health Officer in the listed sequence if the Major Vapor Emission Response Plan is activated:

Contact	Phone
Police/Fire Department	911
New York State DOH	(518) 402-7860
New York State DEC Region 8	(585) 226-2466, switchboard

New York State DEC Region 9	(716) 851-7220
State Emergency Response Hotline	(800) 457-7362

In addition, the Site Safety and Health Officer will provide these authorities with a description of the apparent source of the contamination and abatement measures being taken by the contractor, if any.

AIRBORNE PARTICULATES

Fugitive dust suppression and airborne particulate monitoring shall be performed during any intrusive activities involving disturbance or handling of site soil/fill materials. Fugitive dust suppression techniques will include the following minimum measures:

- Spraying potable water on all excessively dry work areas and roads.
- All fill materials leaving the site will be hauled in properly covered containers or haul trailers.
- Additional dust suppression efforts may be required as discussed below.

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.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (μg/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 μg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 μg/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 μg/m^3 of the upwind level and in preventing visible dust migration.

- All readings must be recorded and be available for State (DEC and DOH) personnel to review.

Visual Assessment

In conjunction with the real-time monitoring program, TurnKey personnel and any subcontractors thereof will be responsible for visually assessing fugitive dust migration from the site. If airborne dust is observed leaving the site, the work will be stopped until supplemental dust suppression techniques are employed in those areas.

Supplemental Dust Suppression

Supplemental dust suppression techniques may include but are not necessarily limited to the

following measures:

- Reducing the excavation size, number of excavations or volume of material handled.
- Restricting vehicle speeds.
- Applying water on buckets during excavation and dumping.
- Wetting equipment and excavation faces.
- Wetting haul roads.
- Restricting work during extreme wind conditions.
- Use of a street sweeper on paved haul roads, where feasible.

Work can resume using supplemental dust suppression techniques provided that the measures are successful in reducing the sustained downwind particulate concentration to below 150 ug/m^3 of the upwind level, and in preventing visible dust migration off-site.

COMBUSTIBLE GASES & OXYGEN

Ambient combustible gas and oxygen concentrations should be measured prior to commencing intrusive activities each workday and a minimum of every 30-minutes thereafter. Air monitoring activities should be performed using equipment appropriate to measure combustible gases in percent lower explosive limit (LEL) and percent oxygen and calibrated daily. All combustible gas and oxygen readings must be recorded in the Project Field Book and/or Real-Time Air Monitoring Logs (sample attached) and, if applicable, be made available for State (DEC and DOH) personnel to review.

Mitigation upon the detection of various action levels of organic vapors are presented below:

Combustible Gas:

- If the sustained ambient air concentration of combustible gas at the downwind perimeter of the site exceeds a reading of 10 to 25% LEL, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 10% LEL, work activities can resume with continued monitoring.

- If sustained combustible gas levels at the downwind perimeter of the site persist at levels in excess of 25% LEL, work activities must be halted, the source of explosion hazards identified, corrective actions taken to abate emissions and monitoring continued. Following combustible gas mitigation, work activities can resume provided that the sustained total organic vapor level 200 feet downwind of the exclusions 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 a sustained value of 10% LEL.

Oxygen:

- If the sustained ambient oxygen concentration at the downwind perimeter of the site measures a reading between 19.5% - 21% oxygen, work activities can continue with extreme caution, however attempts to determine the potential source of oxygen displacement must be conducted.

- If the sustained oxygen level readily decreases below 19.5% LEL, work activities should be discontinued and all personnel must leave the area immediately.

- If the sustained oxygen level at the downwind perimeter of the site persists at levels between 21-25%, work activities can resume with caution.

- If the sustained oxygen level at the downwind perimeter of the site persists at levels exceeding 25% (fire hazard potential), work activities should be discontinued and all personnel must leave the area immediately.

ATTACHMENTS

Real-Time Air Monitoring Log (sample)

REFERENCES

TurnKey FOPs:

006 Calibration and Maintenance of Combustible Gas/Oxygen Meter
010 Calibration and Maintenance of Flame Ionization Detector
011 Calibration and Maintenance of Portable Photoionization Detector
084 Calibration and Maintenance of Portable Particulate Meter

REAL-TIME AIR MONITORING DURING INTRUSIVE ACTIVITIES PROCEDURE

REAL TIME AIR MONITORING LOG

Date:
Project Name:
Project Number:
Project Location:
Client:
Purpose of Air Monitoring:

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:		
Wind Direction:		
Wind Speed:		
Precipitation:		

Date	Personnel	Time	Air Monitoring Meter Measurement (Units)							Location/Activity/Comments
			PID (ppm)	LEL (%)	H_2S (ppm)	O_2 (%)	CO (ppm)	Particulates (mg/m^3)	Other	

NOTE: SEE EQUIPMENT CALIBRATION LOG FOR DESCRIPTION OF EQUIPMENT TYPE.

Prepared By: Date:

FOP 074.0

UNDERGROUND STORAGE TANK EXCAVATION AND REMOVAL PROCEDURES

PURPOSE

This procedure describes the methods for conducting underground storage tank (UST) removal activities. In most cases, the USTs will be mechanically excavated, using a backhoe, trackhoe, excavator or other equipment. Because the pits and other excavations created during UST exhumation can represent a substantial physical hazard, it requires a particular focus on safety procedures. The Project Health and Safety Plan and/or Project Work Plan should identify practices related to excavation permits, entry, and control that must be incorporated into UST excavation activities.

PRE-EXCAVATION PROCEDURES

1. Conduct a Phase I Site Assessment in accordance with ASTM E 1527 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" or at a minimum conduct an EDR search of the subject property to obtain some information about the number and location of potential USTs.

2. Review project objectives outlined in the Project Work Plan and the Project Health and Safety Plan (HASP).

3. Check locations with owner/operator to ensure excavation operations will not interfere with site operations, and select appropriate access routes.

4. Stake locations in the field and measure distance from locations to nearest landmarks. Survey location, if required.

5. Obtain clearances from appropriate utilities and, if buried waste/metallic objects are suspected, screen location with appropriate geophysical methods, as necessary. Utility clearances are required 72 hours prior to commencing intrusive activities. Typically, the UST contractor will obtain the required utility clearances and permits.

6. Conduct a pre-construction meeting, as necessary. Include the client, state and/or federal regulatory agencies (as necessary) and the UST contractor.

7. Become familiar with the site by conducting a site reconnaissance. Note and identify the following: the prevailing wind direction; adjacent property zones (i.e., residential, commercial or industrial); any potential for unauthorized site access by onlookers; overhead utilities; temporary staging areas for impacted soils and USTs; and any other site features that may inhibit the progress of work.

8. During the site recon, locate the surface fill ports, if applicable, and determine the approximate size, liquid type and liquid quantity of the UST. Determine tank size (diameter and capacity) and liquid quantity by sticking the tank through the fill port with a long measuring stick. Determine the type of liquid contained within the UST; keeping in mind this may involve sample collection and profile characterization by a laboratory.

EXCAVATION PROCEDURES

1. Perform excavation equipment safety checks with the operator. Specific concerns should include, but not limited to, no leaking hydraulic lines, fire extinguisher on board of the excavation equipment, operator experience etc.

2. Conduct tailgate health and safety meeting with project team and excavation operator(s) by completing the Tailgate Safety Meeting Form (sample attached).

3. Discuss with excavation contractor personnel the scope of work and what will be expected of them.

4. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

5. Conduct air monitoring as required by the HASP and/or Project Work Plan in accordance with Roux's FOP: Real-Time Air Monitoring During Intrusive Activities. Record all results on the Real Time Air Monitoring Log (sample attached).

6. Decontaminate excavation equipment in accordance with Roux's Drilling and Excavation Equipment Decontamination procedures as necessary.

7. Mobilize the excavation equipment to the site and position over the required UST location.

8. If liquid was encountered in the UST during the initial site reconnaissance, purge, contain and dispose of the UST contents in accordance with state and federal regulations as well as Roux's FOP: Management of Investigation-Derived Waste (IDW).

9. Excavate the UST(s) in compliance with applicable safety regulations and NYSDEC Division of Environmental Remediation, Spill Response Unit or Bulk Storage Unit guidelines and/or this FOP. In uncontrolled areas, UST excavations being conducted over several days and/or time allowed for laboratory analytical results to be returned will be covered and/or barricaded and flagged with caution/hazard tape. These open pits should be backfilled with clean fill as soon as possible.

10. Each UST contractor has their own means and methods of exhuming USTs and impacted soil and Roux personnel should not direct the contractor's activities, however, the methods performed by the contractor should be monitored closely to ensure safety is a priority. Typically, the UST fill ports will be unearthed and the top of the tank will be exposed to determine the exact size of the tank. Once the size is determined, the UST contractor will excavate along one side to the bottom of the tank and roll the tank on its side.

11. Once the UST is "loosened", the contractor should remove the tank with webbing or chains, while keeping the tank in its original horizontal position, and place the exhumed tank on a polyethylene tarp.

12. The UST contractor will then clean and dispose of the tank in accordance with state and federal regulations.

13. The Roux field geologist or experienced professional will determine the horizontal and vertical limits of excavation based upon soil scans with a calibrated photoionization detector (PID) in accordance with Roux's FOP: Screening of Soil Samples for Organic Vapors During UST Removal Activities.

    The depth is generally limited by the safe reach of the selected equipment, but may also be limited by the stability of the excavated materials (i.e. wall stability). Excavation depths exceeding the practical limits of the machine may be required as long as the groundwater table has not been encountered. Terminate all excavations at the first water bearing zone and consult the Project Manager. Typically, groundwater remediation will be required (i.e., pump and treat).

14. At no time should an excavation deeper than 4 feet be entered without first stabilizing the sidewalls by using forms, or by terracing or sloping (2:1 slope maximum) the sidewalls.

15. During impacted soil removal activities, record all required transportation information on an Impacted Soil Transportation Log (sample attached).

16. Collect a representative soil sample from each of the four sidewalls and one from the bottom and scan with a PID (i.e., initial surface scan and headspace determination) until excavated soils PID results fall below the project-required limit, typically 20 ppm. Sidewall samples shall be collected from a depth equal to the bottom and no higher than the middle of the pre-exhumation UST position.

17. Upon determining the limits of impact, collect one confirmation/verification soil sample from each of the four sidewalls and bottom of the excavation in accordance with Roux's Surface and Subsurface Soil Sampling Procedures. Sidewall samples shall be collected from a depth equal to the bottom and no higher than the middle of the pre-exhumation UST position.

    If the test pit is greater than 4 feet in depth, it will not be entered for sampling. In this event, collect samples using the excavation equipment filling laboratory-provided sample containers from the center of the bucket using the stainless steel sampling equipment (i.e., spoon, spade, trowel etc.) or drive a Shelby tube or EnCore™ sampler for VOCs.

18. If excessive water enters the excavation, via perched groundwater or precipitation, it shall be purged and contained as IDW until proper disposal can be determined (i.e., pumped through granular activated carbon vessels and discharged to the sanitary sewer). The Project Manager and NYSDEC representative should be consulted upon detection of excess water to determine proper disposal methods. On the other hand, minor amounts of water within the excavation that can be sufficiently mixed with excavated soil material is an acceptable disposal method.

19. Record UST excavation observations in the Project Field Book and/or an Impacted Soil Excavation Log (sample attached). Information recorded should include:

    - Physical dimension of the pit;

    - A scaled sketch of one side of the excavation showing the position of the UST and any lithologic contacts, zones of groundwater seepage, other special features (jointing, boulders, cobbles, zones of contamination, color abnormalities, etc.);

    - General information such as project number, excavation designation number, depth, date, name of responsible professional (i.e., geologist), type of excavating equipment utilized, time of excavation and

backfilling, method of collecting samples and amount of sample collected (if applicable);

- General information about the UST such as diameter, length, quantity of liquid removed, construction material etc.;

- Rate of groundwater inflow, depth to groundwater and time of measurement, as necessary; and

- Unified Soil Classification System (USCS) designation of each distinctive unit in accordance with Roux's FOP: Soil Description Procedures Using the Unified Soil Classification System (USCS).

20. Photograph the progress of UST exhumation, impacted soil excavation and clean fill backfilling, highlighting unique or important features. Use a ruler or other suitable item for scale. Include a label with the excavation designation so the developed picture will be labeled, as necessary.

21. Backfill the excavation to match the existing grade compacting in 2 to 3 foot lifts with clean fill and as directed in the Project Work Plan. Excavated soils designated as "clean" via PID scan can be placed back into the hole. The Roux Field Team Leader will provide direction on whether excavated soils may be used as fill, or these materials are to be containerized as investigation derived waste.

ATTACHMENTS

Tailgate Safety Meeting Form (sample)
Real Time Air Monitoring Log (sample)
Impacted Soil Excavation Log (sample)
Impacted Soil Transportation Log (sample)

REFERENCES

Roux FOPs:

006 *Calibration and Maintenance of Combustible Gas/Oxygen Meter*
010 *Calibration and Maintenance of Portable Flame Ionization Detector*
011 *Calibration and Maintenance of Portable Photoionization Detector*
018 *Drilling and Excavation Equipment Decontamination*
032 *Management of Investigation-Derived Waste (IDW)*
048 *Screening of Soil Samples for Organic Vapors During UST Removal Activities*
054 *Soil Description Procedures Using the Unified Soil Classification System (USCS)*
063 *Surface and Subsurface Soil Sampling Procedures*
073 *Real-Time Air Monitoring During Intrusive Activities*

UNDERGROUND STORAGE TANK EXCAVATION AND REMOVAL PROCEDURES

TAILGATE SAFETY MEETING FORM

Project Name: Date: Time:
Project Number: Client:
Work Activities:

HOSPITAL INFORMATION:

Name:
Address: *City:* *State:* *Zip:*
Phone No.: *Ambulance Phone No.*

SAFETY TOPICS PRESENTED:

Chemical Hazards:

Physical Hazards: Slips, Trips, Falls

PERSONAL PROTECTIVE EQUIPMENT:

Activity:			C	D
Activity:	A	B	C	D
Activity:	A	B	C	D
Activity:	A	B	C	D
Activity:	A	B	C	D

New Equipment:

Other Safety Topic (s): ve fauna)
t tobacco products is prohibited in the Exclusion Zone (EZ)

ATTENDEES

Name Printed	Signatures

Meeting conducted by:

REAL TIME AIR MONITORING LOG

Date:
Project Name:
Project Number:
Project Location:
Client:
Purpose of Air Monitoring:

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:		
Wind Direction:		
Wind Speed:		
Precipitation:		

Date	Personnel	Time	Air Monitoring Meter Measurement (Units)							Location/Activity/Comments
			PID (ppm)	LEL (%)	H_2S (ppm)	O_2 (%)	CO (ppm)	Particulates	Other	

NOTE: SEE EQUIPMENT CALIBRATION LOG FOR DESCRIPTION OF EQUIPMENT TYPE.

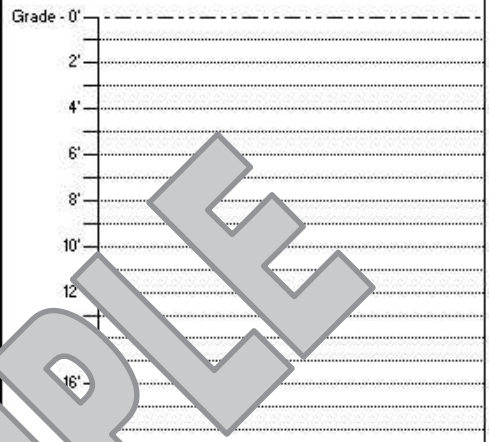
Prepared By: Date:

IMPACTED SOIL EXCAVATION LOG

Project:	EXCAVATION I.D.:
Project No.:	Excavation Date:
Client:	Excavation Method:
Location:	CQA Observer:

Excavation Location: *NOT TO SCALE (approximate)*

Excavation Cross Section:



TIME	Length:				
Start:	Width:				
End:	Depth:				

Verification Sample I.D.			PID Scan (ppm)	PID Headspace (ppm)	Photos Y / N	

COMMENTS:

UST ENCOUNTERED:	☐ yes	☐ no	If yes, Describe (type, material, size, capacity etc.):
GROUNDWATER ENCOUNTERED:	☐ yes	☐ no	If yes, depth to GW:
VISUAL IMPACTS:	☐ yes	☐ no	Describe:
OLFACTORY OBSERVATIONS:	☐ yes	☐ no	Describe:
NON-NATIVE FILL ENCOUNTERED:	☐ yes	☐ no	
OTHER OBSERVATIONS:	☐ yes	☐ no	Describe:
QUANTITY OF IMPACTED SOIL REMOVED:			
FINAL DESTINATION OF IMPACTED SOIL:			
TYPE OF BACKFILL:			
SURFACE COMPLETION:			

IMPACTED SOIL TRANSPORATION LOG

Date:
Projec
Job N
Client:

Licensed Transport
Destination:
Waste Profile No.:

Vehicle Type	Vehicle I.D.	License Plate No.	Load No.	Load Time	Drive Time	Approximate Tonnage	Actual Tonnage
					TOTAL TONNAGE:	**0**	**0**

PREPARED BY: DATE:

ROUX

FIELD OPERATING PROCEDURES

"Before Going Into The Field" Procedure

FOP 076.0

"BEFORE & AFTER" PROJECT PROCEDURES FOR FIELD PERSONNEL

PURPOSE

This procedure describes the required field and office activities to be preformed "before and after" project assignments by field personnel. Field activities may include, but are not limited to, drilling oversight, excavation contractor oversight, matrix sample collection (e.g., soil, sediment, groundwater, surface water, wipe, and/or air), third party oversight, and site reconnaissance to name a few. Office activities may include, but are not limited to, photocopying field book entries, completing all field forms, tabulating collected field and laboratory data, and preparation of report text.

The primary goal of this procedure is to eliminate delays and unnecessary budgetary "strain" due to a lack of preparedness and knowledge of the site by the field team members. This procedure also seeks to streamline the preparation and transfer of field information/data from field personnel to the Project Manager upon field work completion.

PROJECT ASSIGNMENT

During the initial meeting with the Project Manager, several questions should be raised by the field team member and answered by the Project Manager. A pad of paper and pen should be in hand to record all pertinent job information. At a minimum, the following questions should be answered:

1. *What is the job number?*
2. *Who is the client and the on-site representative (if applicable)?*
3. *What is the name of the project?*
4. *What are the job responsibilities and how should they be accomplished?*
5. *How much time do I have to complete the assigned tasks?*
6. *Are there any project required documents? What are they?*

Any deviation from the above questions should be approved by the Project Manager prior to contravention, not at the end of the day or following the project completion.

"BEFORE" CHECKLISTS

Checklists should be developed and used so that all of the required steps prior to going into the field are undertaken. A good checklist will include:

- Adequate review of the documents listed in this FOP
- Any documents, equipment, and supplies presented in this FOP
- Providing adequate notification to the laboratory (so that holding times are not exceeded) and to the owner of the site and the primary regulatory agency (usually in writing) that a round of sampling is to commence in order to facilitate sampling and allow for a sampling audit or split sampling.
- Specifying and documenting the equipment maintenance and calibration undertaken prior to going into the field relative to the sampling event.
- Checking and calibrating the equipment.
- Listing the documents, equipment, and supplies required to collect samples at the site as presented in this FOP.

Prior to going into the field, sampling personnel should reacquaint themselves with the sampling plan. The review is undertaken so that the required specific protocol such as sampling from the least to the most contaminated wells, knowing where quality control samples are to be taken, knowing the disposition of purge water, etc., is understood and followed.

The amount of equipment maintenance and calibration required prior to going into the field should be clearly specified in the presampling equipment maintenance and calibration checklists, which are based on the manufacturer's recommendations, sampling objectives, and prior experience. Maintenance and calibration performed before sampling must be

documented to provide evidence that the equipment was adequately maintained and calibrated and to keep a permanent record of equipment servicing and performance.

A list of all the documents, equipment, and supplies required for the sampling event should be prepared and used. It can be frustrating and time consuming to forget equipment and supplies, so some up-front preparation is warranted. The following sections provide a list of the documentation, equipment, and supplies, which should assist in preparing a site-specific equipment and supply checklist. Once prepared, the checklist and project requirements should be reviewed with the Project Manager.

"BEFORE" DOCUMENTATION SUMMARY

Prior to going into the field, the field team should review and understand all of the project documents including, but not limited to:

- The Health and Safety Plan (HASP)
- The Site Analytical Plan (SAP), Sampling Plan, or similar document
- The Quality Assurance Project Plan (QAPP)
- The Work Plan
- Project specific Field Operating Procedures and field forms
- Site Maps
- Equipment operation manuals
- Chain-of-Custody forms
- Shipping labels and custody seals
- Any reference materials (i.e., conversion tables, volume calculation, etc.). The Pocket Ref, Third Edition by Thomas Glover is a great source for the field.

If at any time, the field team does not understand the project required protocol, procedures, sample locations, etc.; the Project Manager should be consulted for clarification.

"BEFORE" EQUIPMENT SUMMARY

Prior to going into the field, the field team should review the following equipment checklist, noting that project specific equipment may not be included in this list:

- Water level indicator
- Pumps, sample tubing, flow controllers, power cord(s), batteries, compressors, generators, etc.
- Bailers (disposable, PVC, stainless steel, glass), rope
- Flow-through cell
- Field meters with adequate calibration solutions (pH/Eh meter, conductivity meter, dissolved oxygen meter, turbidity meter, batteries, etc.)
- Garden hose
- Explosive gas meter and/or photoionization detector (PID) with calibration supplies
- Complete set of hand tools including a sharp knife, screw drivers, pliers, hacksaw, flashlight, large pipe wrench, hammer, bolt cutters, and replacement locks
- Fish hook with weight and string
- Field filtering equipment and supplies
- Decontamination supplies, such as scrub brushes, Alconox®, distilled water, potable water, 5-gallon bucket, paper towels, aluminum foil
- 5-gallon bucket(s)
- Measuring cup
- Sample bottles/containers (with extras) and preservatives
- Stainless steel spoons, trowels, shovels
- Shipping containers (i.e., coolers)
- Clipboard
- Calculator
- Water resistant clock or watch with second hand
- First aid kit

"BEFORE" SUPPLIES SUMMARY

Prior to going into the field, the field team should review the following supplies checklist, noting that project specific supplies may not be included in this list:

- Laboratory grade non-phosphate detergent (Alconox®)
- Appropriate personal protective equipment appropriate to the contaminants of concern, such as nitrile gloves, Tyvek, boots, hardhat, safety glasses, hearing protection, etc.
- Bags of ice
- Plastic garbage bags
- Plastic sheeting
- Sufficient quantities of potable and laboratory grade deionized water for cleaning and equipment blanks
- Methanol
- Isopropyl alcohol
- Clean rags and paper towels
- Electrical tape, duct tape, and wide transparent tape
- Hand soap
- Regular, ballpoint, and indelible pens
- Hollow braid polyethylene rope

After providing adequate notification (lab, state and/or federal agencies), performing the presampling maintenance and calibration, obtaining the site and well keys, and packing the supplies and equipment, the field activities are ready to be performed.

"AFTER" – PROJECT FILE REVIEW & CREATION

It is the responsibility of each field crew member to review his/her own field notes and time sheet for accuracy and completeness. All errors to the field notes should be corrected, dated, and initialed for Project Manager review. Once reviewed by the field team member, the Project Field Book, all field forms, photographs, chain-of-custodies etc. must be

photocopied, scanned (if required), downloaded, etc. and then given to the Project Manager in an organized file folder in a timely manner. Avoiding delay during this step is critical, especially when there are severe time constraints for the project.

REFERENCES

1. Wilson, Neal. *Soil Water and Ground Water Sampling*, 1995

ROUX

FIELD OPERATING PROCEDURES

Geoprobe Drilling Procedures

FOP 078.0

GEOPROBE DRILLING PROCEDURES

PURPOSE

This guideline presents a method for direct-push drilling a borehole through unconsolidated materials, including soils or overburden.

PROCEDURE

The following procedure will be used to drill a borehole for sampling and/or well installation, using direct-push methods and equipment.

1. Follow Roux's Field Operating Procedure (FOP) for Drill Site Selection Procedure prior to implementing any drilling activity.

2. Perform drill rig safety checks with the driller by completing the Drilling Safety Checklist form (sample attached).

3. Conduct tailgate health and safety meeting with project team and drillers by completing the Tailgate Safety Meeting Form (sample attached).

4. Calibrate air-monitoring equipment in accordance with the appropriate Roux's FOPs or manufacturers recommendations.

5. Ensure all drilling equipment (i.e., rods, 4-foot sampler, dedicated PVC sleeves) appear clean and free of soil prior to initiating any subsurface intrusion. Decontamination of drilling equipment should be in accordance with Roux's Drilling and Excavation Equipment Decontamination Procedures FOP.

6. Mobilize the Geoprobe™ rig to the site and position over the borehole.

7. Level and stabilize the rig and recheck the rig location against the planned drilling location.

8. Fully advance the sampler into the subsurface using an ATV-mounted direct-push Geoprobe™ drill rig and 1.5-inch diameter sampler, typically 4-feet in length and fitted with a dedicated PVC sleeve, for each four-foot core of soil.

9. Retrieve the 4-foot sample core from the driller, place on a piece of polyethylene tarp, and cut open using a sharp utility knife.

10. Visually characterize each 4-foot soil core using the Unified Soil Classification System (USCS) in accordance with Roux's Soil Description Procedures Using the USCS FOP.

11. Scan each 4-foot core for total volatile organic vapors with a calibrated Photovac 2020 PID equipped with a 10.6 eV lamp, and report any visual and/or olfactory observations. Record PID scan measurements in the Project Field Book and appropriate field forms.

12. If required, collect a representative soil sample for headspace determinations. In general, soil samples representative of each 4-foot core interval are collected, placed in a sealable plastic bag, and kept at or near room temperature (approximately 65-70° F) for a minimum of 15 minutes prior to measurement. Record PID headspace determination measurements in the Project Field Book and appropriate field forms.

13. Check sampler and rods periodically during drilling to ensure the boring is plumb. Adjust rig position as necessary to maintain plumb.

14. Continue drilling until reaching the assigned total depth, or until sampler refusal occurs. Sampler refusal is when the drilling penetration drops below 0.1 feet per 2 minutes, with the full weight of the rig on the sampler.

15. Plug and abandon boreholes not used for temporary well installation in accordance with Roux's Field Operating Procedure for Abandonment of Borehole. Boreholes to be used as temporary wells should be completed in accordance with Roux's Temporary Well (Piezometer) Construction Procedures FOP.

16. Decontaminate all non-dedicated drilling tools between boring locations using potable tap water and a phosphate-free detergent (i.e., Alconox™) in accordance with Roux's Drilling and Excavation Equipment Decontamination Procedures FOP.

OTHER PROCEDURAL ISSUES

- Borings will not be over drilled (rat holed) without the express permission of the Roux field supervisor. All depth measurements should be accurate to the nearest 0.1 foot, to the extent practicable.

- Potable water may be placed in the sampler stem if critically necessary for borehole control or to accomplish sampling objectives. This will be performed only with the express permission of the Roux field supervisor.

ATTACHMENTS

Drilling Safety Checklist (sample)
Tailgate Safety Meeting Form (sample)

REFERENCES

Roux FOPs:

001 *Abandonment of Borehole Procedures*
017 *Drill Site Selection Procedure*
018 *Drilling and Excavation Equipment Decontamination Procedures*
054 *Soil Description Procedures Using the USCS*
077 *Temporary Well (Piezometer) Construction Procedures*

DRILLING SAFETY CHECKLIST

Project: **Supplemental Phase II RFI/ICMs**	Date:
Project No.: **0041-009-500**	Drilling Company:
Client: **RealCo., Inc.**	Drill Rig Type:

ITEMS TO CHECK	OK	ACTION NEEDED
"Kill switches" installed by the manufacturer are in operable condition and all workers at the drill site are familiar with their location and how to activate them?		
"Kill switches" are accessible to workers on both sides of the rotating stem? NOTE: Optional based on location and number of switches provided by the manufacturer.		
Cables on drill rig are free of kinks, frayed wires, "bird cages" and worn or missing sections?		
Cables are terminated at the working end with a proper eye splice, either swa Coupling or using cable clamps?		
Cable clamps are installed with the saddle on the live or load side? Clamps should alternated and should be of the correct size and number for the cable size to which installed. Clamps are complete with no missing parts?		
Hooks installed on hoist cables are the safety type with a functional prevent accidental separation?		
Safety latches are functional and completely span the entire th ok ve positive action to close the throat except when manually ed fo nec disconnecting a load?		
Drive shafts, belts, chain drives and universal jo be to prevent accidental insertion of hands and fingers or tools		
Outriggers shall be extended prior to and w sed cradle. Hydraulic outriggers must maintain pressure to d ize the drill rig even while unattended.		
Outriggers shall be properly supporte nd su o p settling into the soil.		
Controls are properly la ave fre ntr ontrols should not be blocked or locked in an p on.		
Safeties on any device sha zed.		
Controls shall be operated smoothly and ca nd lifting devices shall not be jerked or operated erratically to overcome res		
Slings, chokers and lifting devices are d before using and are in proper working order? Damaged units are removed from service and are properly tagged?		
Shackles and clevises are in proper working order and pins and screws are fully inserted before placing under a load?		
High-pressure hoses have a safety (chain, cable or strap) at each end of the hose section to prevent whipping in the event of a failure?		
Rotating parts of the drill string shall be free of sharp projections or hooks, which could entrap clothing or foreign objects?		
Wire ropes should not be allowed to bend around sharp edges without cushion material.		
The exclusion zone is centered over the borehole and the radius is equal or greater than the boom height?		

ITEMS TO CHECK	OK	ACTION NEEDED

DRILLING SAFETY CHECKLIST

Project: **Supplemental Phase II RFI/ICMs** Date:

Project No.: **0041-009-500** Drilling Company:

Client: **RealCo., Inc.** Drill Rig Type:

ITEMS TO CHECK	OK	ACTION NEEDED
The work area around the borehole shall be kept clear of trip hazards and walking surfaces should be free of slippery material.		
Workers shall not proceed higher than the drilling deck without a fall restraining device and must attach the device in a manner to restrict fall to less than 6 feet.		
A fire extinguisher of appropriate size shall be immediately available to the drill c… drill crew shall have received annual training on proper use of the fire extinguisher.		
29 CFR 1910.333 © (3) Except where electrical distribution and transmission lines … energized and visibly grounded, drill rigs will be operated proximate t… under, by, or … er lines only in accordance with the following: .333 © (3) (ii) 50 kV or less -minimum clearance is 1… For 50 kV or over - 10ft. Plus ½ in. For each add… Roux **Policy: Maintain 20 feet clearanc…**		
29 CFR 1910.333 © (3) (iii) While the rig is in t… wit… the do… tion, clearance from energized power lines will be maint… llow… Less than 50 kV - 4 feet 50 to 365 kV - 10 feet 365 to 720 kV - 16 feet		

Name: _____ (printed)

Signed: _____ Date: _____

TAILGATE SAFETY MEETING FORM

Project Name: Date: Time:
Project Number: Client:
Work Activities:

HOSPITAL INFORMATION:

Name:
Address: *City:* *State:* *Zip:*
Phone No.: *Ambulance Phone No.*

SAFETY TOPICS PRESENTED:

Chemical Hazards:

Physical Hazards: Slips, Trips, Falls

PERSONAL PROTECTIVE EQUIPMENT:

Activity:	A	B	C	D
Activity:	A	B	C	D
Activity:	A	B	C	D
Activity:	A	B	C	D
Activity:	A	B	C	D

New Equipment:

Other Safety Topic (s): (aggressive fauna)
tobacco products is prohibited in the Exclusion Zone (EZ)

ATTENDEES

Name Printed	Signatures

Meeting conducted by:

ROUX

FIELD OPERATING PROCEDURES

Stockpile Sampling Procedures for Chemical Analysis

FOP 079.0

STOCKPILE SAMPLING PROCEDURES FOR CHEMICAL ANALYSIS

PURPOSE

This guideline presents a method for collecting representative soil samples from stockpiled borrow source material for chemical analysis.

GENERAL

In general, off-site soil that is brought to a Site for use as supplemental fill is subject to Quality Assurance sampling and analysis. If QA is required, all off-site soil proposed for use as Site backfill shall be documented by the subcontractor in writing to have originated from locations having no evidence of disposal or release of hazardous, toxic or radioactive substances, wastes or petroleum products. If the subcontractor designates a source as "virgin" soil, it shall be further documented in writing to be native soil material having not supported any known past industrial or commercial development or agricultural use. Borrow soils can be used as backfill once concentrations are confirmed to meet project designated criteria for the Constituents of Primary Concern (COPCs) and NYSDEC TAGM HWR-94-4046 recommended soil cleanup objectives (SCOs) or NYSDEC 6NYCRR Part 375 SCOs.

Sample collection equipment will include stainless steel mixing bowls, stainless steel mixing spoons, and a stainless steel hand auger with extension rods or a stainless steel spade or equivalent. It may be necessary to use a backhoe or drilling rig to facilitate sample collection.

FOP 079.0

STOCKPILE SAMPLING PROCEDURES FOR CHEMICAL ANALYSIS

SAMPLING PLAN

1. Virgin Sources – Virgin borrow sources will be confirmed acceptable for use as site backfill through collection of a single composite soil sample representative of the borrow pit or stockpile.

2. Non-Virgin Sources – Prior to sampling, determine the amount of soil that will be sampled. The soil will be tested via collection of one composite sample per 250 cubic yards of material from each source area. If more than 1,000 cubic yards of soils are excavated from a given off-site source area and all samples of the first 1,000 cubic yards meet project designated criteria, the sample collection frequency may be reduced to one composite for each additional 1,000 cubic yards of soils from the same source area, up to 5,000 cubic yards. For borrow sources greater than 5,000 cubic yards, sampling frequency may be reduced to one sample per 5,000 cubic yards, providing all earlier samples meet project designated criteria. Sampling procedure for non-virgin sources is described in the next section.

SAMPLE COLLECTION AND HANDLING

The following procedure will be used to collect representative soil samples from a non-virgin soil stockpile.

1. Using a stainless steel spade (or hand auger), a backhoe, or drilling rig, penetrate the pile to a depth of approximately 2 to 3 feet and collect four (4) representative grab samples of approximate equal volume from the top, middle, and bottom.

2. Transfer each grab into a small stainless steel mixing bowl.

3. **VOC Analysis:** Using a clean stainless steel spoon, transfer equal amounts from each small mixing bowl into a laboratory-supplied, 4 oz. VOC sample jar. This should be performed by randomly transferring several small aliquots from each bowl, taking care to minimize disturbance of the soil.

4. **Other COPCs:** Transfer equal aliquots from each small bowl into a large mixing bowl and homogenize the sample. Fill the remaining laboratory-supplied jars with the homogenized soil for all other project required COPCs (i.e., SVOCs, PCBs, Pesticides, Herbicides, inorganics, etc.).

5. Label each set of jars with the following information:
   - Project and site name
   - Sample Code
   - Project Number
   - Date/Time
   - Sample type (soil composite or grab)
   - Sampler's initials
   - Sample Preservation
   - Required analysis

   The sample code will consist of a unique, alphanumeric identification code keyed to the sampling location. Identify the sampling location on a field sketch.

6. Record all information associated with sample collection in the Project Field Book.

7. Label, store, and ship the samples in accordance with the Roux Field Operating Procedure for Sample Labeling, Storage and Shipment Procedures.

8. Clean the sampling and mixing equipment with Alconox and deionized water and repeat steps 1 through 7 for the remaining samples.

REFERENCES

Roux FOPs:

046 Sample Labeling, Storage and Shipment Procedures

ROUX

FIELD OPERATING PROCEDURES

Stockpile & Borrow Source Sampling Procedures for Physical Analysis

FOP 080.0

STOCKPILE & BORROW SOURCE SAMPLING PROCEDURES FOR PHYSICAL ANALYSIS

PURPOSE

This guideline presents a method for collecting representative soil samples from stockpiled borrow source material for physical analysis.

GENERAL

Generally, one of two methods will be utilized to collect soil samples for analysis. One method is to collect the samples by digging a series of representative test pits at the borrow source area and obtaining samples from those test pits. The other method involves collecting samples from representative stockpiles (normally after the material has been mechanically screened). Both procedures are discussed within this method.

Sample collection equipment will include stainless steel mixing bowls, stainless steel mixing spoons, and a stainless steel hand auger with extension rods or a stainless steel spade or equivalent. It may be necessary to use a backhoe or drilling rig to facilitate sample collection.

STOCKPILED SOIL SAMPLING METHOD

As shown in the attached Figure 1, twelve (12) samples of approximate equal volume should be collected from the top, middle and bottom of each 1000 CY stockpile by CQA personnel and composited in the field to give one representative aliquot per 1000 CY.

Stockpile Sampling Procedure

1. Using a shovel or backhoe, penetrate the pile to a depth of about two to three feet.
2. Collect a sample using the shovel.

3. Transfer the sample to a specially prepared mixing area.
4. Repeat Steps 1 through 3 at each 1,000 CY stockpile.
5. Mix subsamples using shovel into one homogenous mass and place in a properly labeled 5-gallon bucket. Fill each bucket completely and cover.
6. Attach a label to each container and record location referencing the stockpile identification number. The label may be made with permanent marker on the side (not top) of the container or using adhesive-back paper labels affixed to the side of the container. At a minimum, the labels should be identified with the following information:
    - Project Name
    - Sample number.
    - Initials of CQA inspector or sample collection personnel.
    - Date of collection.
    - Location of collection (i.e. stockpile I.D.)
7. Return remaining contents of composite sample to stockpile.
8. Deliver the samples to the laboratory for analysis as soon as possible.
9. All information pertinent to each sampling event should be recorded by sampling personnel in the field at the time of sample collection. Each report should correspond to each stockpile and will contain the following information:
    - Project Name
    - Sample number or numbers collected
    - Field observations.
    - Climatologic conditions.
    - Date and time of collection.
    - Approximate location of test pit.
    - Name of person who collected sample.

BORROW AREA TEST PIT SAMPLING METHOD

Prior to obtaining representative soil samples, test holes should be excavated at the borrow area to determine the actual depth and lateral extent of the borrow source soil material. A base line should then be established and a grid system staked in the field. Five samples

should be collected at equidistant locations for each 5000 cubic yards (CY) of soil designated for use in the borrow areas (at approximately mid-depth).

Borrow Area Sampling Procedure

1. Using a shovel, collect a representative sample at approximately mid-depth at each of the sampling locations representing 1000 CY of the proposed excavation area.
2. Transfer each sample into a labeled separate 5-gallon bucket. Fill each bucket completely and cover.
3. Attach a label to each container and record location referencing the established grid system in the borrow area. The label may be made with permanent marker on the side (not top) of the container or using adhesive-back paper labels affixed to the side of the container. At a minimum, the labels should be identified with the following information:
    - Project Name
    - Sample number.
    - Initials of CQA inspector or sample collection personnel.
    - Date of collection.
    - Location of collection (i.e. location of borrow area grid system location)
4. Deliver the samples to the laboratory for analysis as soon as possible.
5. All information pertinent to each sampling event should be recorded by sampling personnel in the field at the time of sample collection. Each report should correspond to each test pit and will contain the following information:
    - Project Name
    - Sample number or numbers collected
    - Field observations.
    - Climatologic conditions.
    - Date and time of collection.
    - Approximate location of test pit.
    - Name of person who collected sample.

ATTACHMENTS

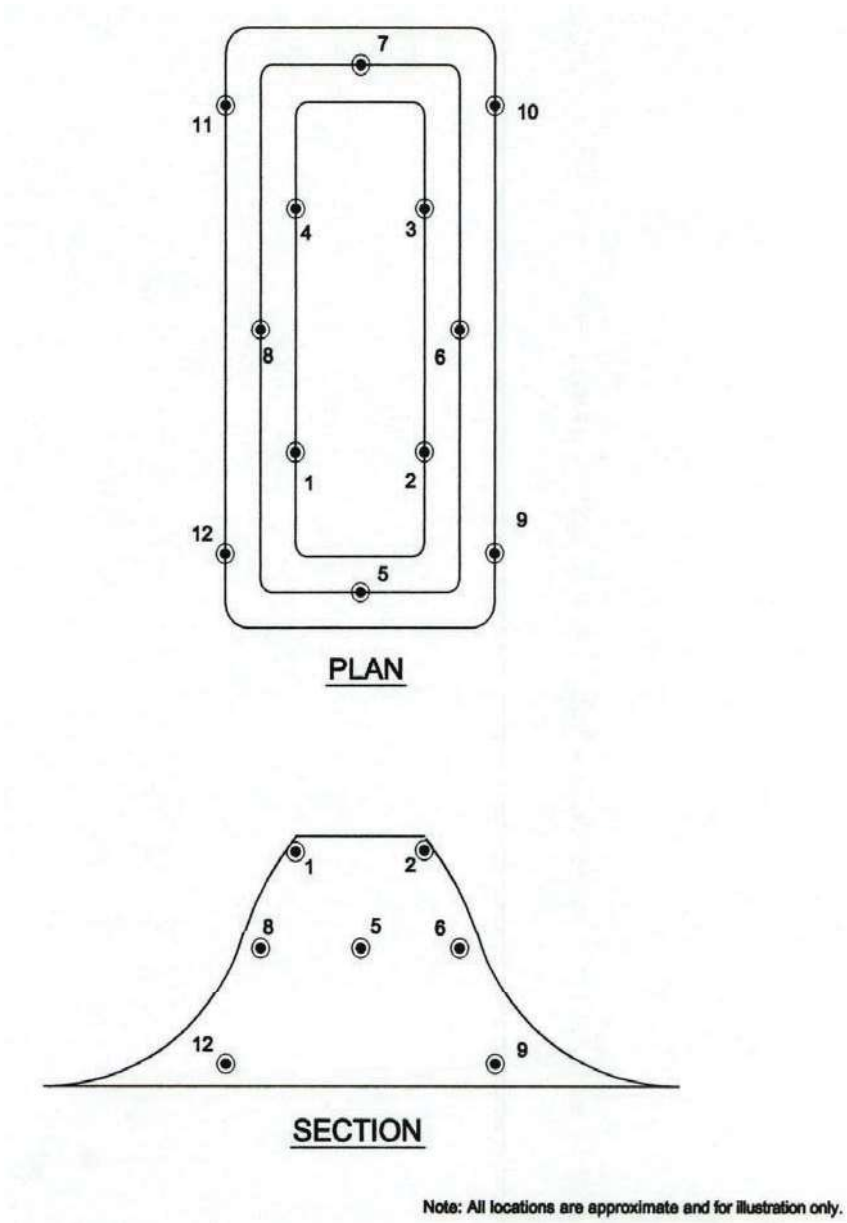
Figure 1; Stockpile Sampling Methodology

REFERENCES

None

FIGURE 4

1,000 CY STOCKPILE SAMPLING METHODOLOGY



ROUX

FIELD OPERATING PROCEDURES

Waste Sampling Procedures

FOP 082.0

WASTE SAMPLING PROCEDURES

PURPOSE

This guideline describes the equipment and procedures that can safely be used to collect waste samples from open and closed units.

INTRODUCTION

Hazardous wastes are regulated by the USEPA under 40 CFR Parts 260-265. Therefore, many of the methods that are used to manage, store, treat, and dispose hazardous wastes and potential hazardous wastes are of concern to both the regulators and the regulated community. Samples are often required of regulated or potentially regulated materials. While it is understood that each facility and waste stream may present its own unique sampling and analytical challenges, this procedure will list equipment and enumerate procedures that have been used by the USEPA to safely and successfully sample specific waste units.

SAFETY

Sampling of waste units should be assessed for potential hazards by both the Project Manager (PM) and the site safety officer (SSO). It is the SSOs responsibility to enforce the site Health and Safety Plan (HASP), and to ensure that procedures used during waste sampling are in accordance with current company protocol. Sampling equipment contaminated during waste sampling investigations should be cleaned with laboratory detergent and rinsed with tap water prior to returning the equipment from the field. Contaminated sampling equipment that is to be discarded must be disposed of properly in accordance with the site-specific Work Plan.

It should be noted that although Roux does not readily perform field activities with highly hazardous materials, we do occasionally oversee contractors who do. Therefore, it is prudent on our part to recognize those situations and be prepared to ensure the activities of

our subcontractors comply with the site-specific HASP as well as those procedures discussed herein. Any reference within this procedure to personal protective equipment (PPE) upgrades above a modified level C (i.e., Tyvek, nitrile gloves, and full-face respirator) relates solely to our subcontractors.

QUALITY CONTROL PROCEDURES

In some instances, special decontamination procedures will be necessary and should be developed on a case-by-case basis according to the specific material encountered. Any cleaning procedures and equipment repairs conducted in the field deviating from those specified in the associated FOPs or the site-specific Work Plan, should be discussed with the Project Manager, and thoroughly documented in the Project Field Book.

All air monitoring and field analytical/screening equipment (i.e., photoionization detectors) should be checked and calibrated per manufacturer's specifications before being used to collect any waste stream unit sample (open or closed). The Field Team Leader should record all calibration results on appropriate field forms.

WASTE UNIT TYPES

Waste management units can be generally categorized into two types: open and closed. In general, open units are larger than closed units and include waste piles and surface impoundments whereas closed units include containers and tanks as well as ancillary tank equipment. Besides containers and tanks, sumps may also be considered closed units because they are designed to collect the spillage of liquid wastes and are sometimes configured as a confined space.

Although both may pose hazards, units that are open to the environment are generally less hazardous than closed units. Sampling of closed units is considered a higher hazard risk

because of the potential of exposure to toxic gases and flammable/explosive atmospheres. Because closed units prevent the dilution of the wastes by environmental influences, they are more likely to contain materials that have concentrated levels of hazardous constituents. While opening closed units for sampling purposes, investigators/contractor's shall use Level B PPE, air monitoring instruments to ensure that the working environment does not contain hazardous levels of flammable/explosive gasses or toxic vapors, and follow the appropriate safety requirements stipulated in the site-specific HASP.

Buried waste materials should be located and excavated with extreme caution. Once the buried waste is uncovered, the appropriate safety and sampling procedures utilized will depend on the type of waste unit.

Open Units

While open units may contain many types of wastes and come in a variety of shapes and sizes, they can be generally regarded as either waste piles or surface impoundments.

Definitions of these two types of open units from 40 CFR Part 260.10 are:

- Waste pile -- any non-containerized accumulation of solid, non-flowing hazardous waste that is used for treatment or storage and that is not a containment building.

- Surface impoundment -- "...a facility or part of a facility which is a natural topographic depression, man-made excavation, or diked area formed primarily of earthen materials (although it may be lined with man-made materials), which is designed to hold the accumulation of liquid wastes or wastes containing free liquids, and which is not an injection well. Examples of surface impoundments are holding, storage, settling and aeration pits, ponds, and lagoons."

One of the distinguishing features between waste piles and surface impoundments is the state of the waste. Waste piles typically contain solid or non-flowing materials whereas liquid wastes are usually contained in surface impoundments. The nature of the waste will also determine the mode of delivering the waste to the unit. Wastes are commonly pumped

or gravity fed into impoundments while heavy equipment or trucks may be used to dump wastes in piles. Once the waste has been placed in an open unit, the state of the waste may be altered by environmental factors (e.g., temperature, precipitation, etc.).

Surface impoundments may contain several phases such as floating solids, liquid phase(s), and sludges. Waste piles are usually restricted to solids and semi-solids. All of the potential phases contained in a waste unit should be considered in developing the sample design to meet the study's objective.

Closed Units

There are a variety of designs, shapes, sizes, and functions of closed units. In addition to the challenges of the various designs and the safety requirements for sampling them, closed units are difficult to sample because they may contain liquid, solid, semi-solid/sludge, or any combination of phases. Based on the study's design, it may be necessary to obtain a cross sectional profile of the closed unit in an attempt to characterize the unit. The following are definitions of types of closed waste units described in 40 CFR Part 260.10:

- Container -- any portable device in which a material is stored, transported, treated, disposed, or otherwise handled. Examples of containers are drums, overpacks, pails, totes, and roll-offs.

- Tank -- a stationary device, designed to contain an accumulation of hazardous waste constructed primarily of non-earthen materials, which provide structural support.

Portable tanks, tank trucks, and tank cars vary in size and may range from simple to extremely complex designs. Depending on the unit's design, it may be convenient to consider some of these storage units as tanks for sampling purposes even though they meet the definition of a container.

- Ancillary equipment (tank) -- any device including, but not limited to, such devices as piping, fittings, flanges, valves, and pumps that is used to distribute, meter, or control the flow of hazardous waste from its point of generation to a storage or treatment tank(s), between hazardous waste storage and treatment tanks to a point of disposal on-site, or to a point of shipment for disposal off-site.

- Sump -- any pit or reservoir that meets the definition of a tank and those troughs/trenches connected to it that serve to collect hazardous wastes.

Note: some outdoor sumps may be considered open units/surface impoundments.

Although any of the closed units may not be completely sealed and may be partially open to the environment, the unit needs to be treated as a closed unit for sampling purposes until a determination can be made. Once a closed unit is opened, a review of the proposed sampling procedures and level of protection can be performed to determined if the (PPE) is suitable for the site conditions.

Samples collected from different waste units should not be composited into one sample container without additional analytical and/or field screening data to determine if the materials are compatible and will not cause an inadvertent chemical reaction.

EQUIPMENT

Selecting appropriate equipment to sample wastes is a challenging task due to the uncertainty of the physical characteristics and nature of the wastes. It may be difficult to separate, homogenize and/or containerize a waste due to its physical characteristics (viscosity, particle size, etc.). In addition, the physical characteristics of a waste may change with temperature, humidity, or pressure. Waste streams may vary depending on how and when a waste was generated, how and where it was stored/disposed, and the conditions under which it was

stored/disposed. Also, the physical location of the wastes or the unit configuration may prevent the use of conventional sampling equipment.

Given the uncertainties that a waste may present, it is desirable to select sampling equipment that will facilitate the collection of samples that will meet the study's objective, and that will not unintentionally bias the sample by excluding some of the sample population that is under consideration. However, due to the nature of some waste matrices or the physical constraints of some waste units, it may be necessary to collect samples knowing that a portion of the desired population was omitted due to limitations of the equipment. Any deviations from the study plan or difficulties encountered in the field concerning sample collection that may have an effect on the study's objective should be documented in a log book, reviewed with the analytical data, and presented in the report.

WASTE SAMPLING EQUIPMENT

Waste sampling equipment should be made of non-reactive materials that will neither add to nor alter the chemical or physical properties of the material that is being sampled. The attached Table 1 lists some conventional equipment for sampling waste units/phases and some potential limitations of the equipment. Another reference for selecting sampling equipment is the ASTM, Standard Guide for Selection of Sampling Equipment for Wastes and Contaminated Media Data Collection Activities, D6232-98.

WASTE SAMPLING PROCEDURES

Waste Piles

Waste piles vary in size, shape, composition, and compactness, and may vary in distribution of hazardous constituents and characteristics (strata). These variables will affect safety and access considerations. The number of samples, the type of sample(s), and the sample location(s) should be based on the study's objectives. Commonly used equipment to collect

samples from waste piles are listed in Table 1. All equipment should be compatible with the waste and should have been cleaned to prevent any cross contamination of the sample.

Surface Impoundments

Surface impoundments vary in size, shape, and waste content, and may vary in distribution of hazardous constituents and characteristics (strata). The number of samples, the type of sample(s), and the sample location(s) should be based on the study's objectives. Commonly used equipment to collect samples from surface impoundments are listed in Table 1. All equipment should be compatible with the waste and should have been cleaned to prevent any cross contamination of the sample.

Because of the potential danger of sampling waste units suspected of containing elevated levels of hazardous constituents, personnel should never attempt to sample surface impoundments used to manage potentially hazardous wastes from a boat. All sampling should be conducted from the banks or piers of surface impoundments. Any exception must be approved by the appropriate site safety officer and/or the Occupational Health and Safety Designee (OHSD).

Drums

Drums are the most frequent type of containers sampled by field investigators for chemical analyses and/or physical testing. Caution should be exercised by the field investigators when sampling drums because of the potential presence of explosive/flammable gases and/or toxic vapors. Therefore, the following procedures should be used when collecting samples from drums of unknown material:

1. Visually inspect all drums that are being considered for sampling for the following:
    - pressurization (bulging/dimples);
    - crystals formed around the drum opening;
    - leaks, holes, stains;

- labels, markings;
- composition and type (steel/poly and open/bung);
- condition, age, rust
- sampling accessibility

Drums showing evidence of pressurization and crystals should be furthered assessed to determine if remote drum opening is needed. If drums cannot be accessed for sampling, heavy equipment is usually necessary to stage drums for the sampling activities. Adequate time should be allowed for the drum contents to stabilize after a drum is handled.

2. Identify each drum that will be opened (e.g., paint sticks, spray paint, cones, etc).

LEVEL "B" PROTECTION IS REQUIRED FOR THE FOLLOWING PROCEDURES.

3. Before opening, ground each metal drum that is not in direct contact with the earth using grounding wires, alligator clips, and a grounding rod or metal structure. If a metal drum is in an overpack drum, the metal drum should be grounded.

4. Touch the drum opening equipment to the bung or lid and allow an electrical conductive path to form. Slowly remove the bung or drum ring and/or lid with spark resistant tools (brass/beryllium).

5. Screen drums for explosive gases and toxic vapor with air monitoring instruments as bung or drum lid is removed. Depending on site conditions screen for one or more of the following:
   - radioactivity
   - cyanide fumes
   - halogen vapors
   - pH
   - flash point (requires sample for testing)

   Note the state, quantity, phases, and color of the drum contents. Record all relevant results, observations, and information in a logbook.

6. Select the appropriate sampling equipment based on the state of the material and the type of container. Sampling equipment should be made of non-reactive materials that will meet the study's objective(s).

7. Place oil wipe (as necessary), sampling equipment, and sample containers near drum(s) to be sampled.

AIR MONITORING FOR TOXIC VAPORS AND EXPLOSIVE GASES AND OXYGEN DEFICIENT ATMOSPHERES SHOULD BE CONDUCTED DURING DRUM SAMPLING.

Liquids -- Slowly lower the COLIWASA or drum thief to the bottom of the container. Close the COLIWASA with the inner rod or create a vacuum with the sampler's gloved thumb on the end of the thief and slowly remove the sampling device from the drum. Release the sample from the device into the sample container. Repeat the procedure until a sufficient sample volume is obtained.

Solids/Semi-Solids -- Use a push tube, bucket auger, or screw auger or if conditions permit a pneumatic hammer/drill to obtain the sample. Carefully use a clean stainless steel spoon to place the sample into container(s) for analyses.

8. Close the drums when sampling is complete. Segregate contaminated sampling equipment and investigative derived wastes (IDW) containing incompatible materials as determined by the drum screening procedure (Step #5). At a minimum, contaminated equipment should be cleaned with laboratory detergent and rinsed with tap water prior to returning it from the field.

Tanks

Sampling tanks is considered hazardous due to the potential for them to contain large volumes of hazardous materials and therefore, appropriate safety protocols must be followed. Unlike drums, tanks may be compartmentalized or have complex designs.

Preliminary information about the tank's contents and configuration should be reviewed prior to the sampling operation to ensure the safety of sampling personnel and that the study's objectives can be achieved.

In addition to having discharge valves near the bottom of tanks and bulk storage units, most tanks have hatches at the top. It is desirable to collect samples from the top hatch because of the potential for the tank's contents to be stratified. Additionally, when sampling from the discharge valve, there is a possibility of a stuck or broken valve which could cause an uncontrolled release. Investigators should not utilize valves on tanks or bulk storage devices unless they are operated by the owner or operator of the facility, or a containment plan is in place should the valve stick or break. If the investigator must sample from a tank discharge valve, the valving arrangement of the particular tank must be clearly understood to insure that the compartment(s) of interest is sampled.

Because of the many different types of designs and materials that may be encountered, only general sampling procedures that outline sampling a tank from the top hatch are listed below:

1. All relevant information concerning the tank such as the type of tank, the tank capacity, markings, condition, and suspected contents should be documented in a logbook.

2. The samplers should inspect the ladder, stairs, and catwalk that will be used to access the top hatch to ensure that they will support the samplers and their equipment.

LEVEL "B" PROTECTION IS REQUIRED FOR THE FOLLOWING PROCEDURES.

3. Before opening, ground each metal tank using grounding wires, alligator clips, and a grounding rod or metal structure.

4. Any vents or pressure release valves should be slowly opened to allow the unit to vent to atmospheric pressure. Air monitoring for explosive/flammable gases and toxic vapors should be conducted during the venting with the results recorded in a log book. If dangerous concentrations of gases evolve from the vent or the pressure is too great, leave the area immediately.

5. Touch tank opening equipment to the bolts in the hatch lid and allow electrical conductive path to form. Slowly remove bolts and/or hatch with spark resistant tools (brass/beryllium). If a pressure build up is encountered or detected, cease opening activities and leave the area.

6. Screen tanks for explosive/flammable gases and toxic vapors with air monitoring instruments. Depending on the study objectives and site conditions, conduct characteristic screening (e.g., pH, halogen, etc.) as desired. Collect a small volume of sample for flash point testing, if warranted. Note the state, quantity, number of phases, and color of the tank contents. Record all relevant results, observations, and information in a logbook. Compare the screening results with any pre-existing data to determine if the tank should be sampled.

7. Select the appropriate sampling equipment based on the state of the material and the type of tank. Sampling equipment should be constructed of non-reactive materials that will meet the study's objective(s).

8. Place oil wipe (as necessary), sampling equipment, and sample containers near tanks(s) to be sampled.

AIR MONITORING FOR TOXIC VAPORS, EXPLOSIVE GASES AND OXYGEN DEFICIENT ATMOSPHERES SHOULD BE CONTINUOUS DURING TANK SAMPLING.

Liquids -- Slowly lower the bailer, bacon bomb, DipstickTM, COLIWASA, or Teflon® tubing to the desired sampling depth. (NOTE: In work areas where explosive/flammable atmospheres could occur, peristaltic pumps powered by 12 V. batteries should not be used.) Close the sampling device or create a vacuum and slowly remove the sampling device from

the tank. Release the sample from the device into the sample container. Repeat the procedure until a sufficient sample volume is obtained.

Solids/Semi-Solids - Use a push tube, bucket auger, screw auger, MucksuckerTM, or if conditions permit a pneumatic hammer/drill to obtain the sample. Carefully extrude the sample from the sampling device or use a clean stainless steel spoon to place the sample into containers for analyses.

9. Close the tank when sampling is complete. Segregate contaminated sampling equipment and investigative derived wastes (IDW) containing incompatible materials as determined by the screening procedure (Step #6). At a minimum, contaminated equipment should be cleaned with laboratory detergent and rinsed with tap water prior to returning it from the field. IDW should be managed according to Section 5.15, and Region 4's Contaminated Media Policy.

Miscellaneous Contaminated Materials

Sampling may be required of materials or equipment (e.g., documents, building materials, equipment, etc.) to determine whether or not various surfaces are contaminated by hazardous constituents, or to evaluate the effectiveness of decontamination procedures.

Wipe or swab samples may be taken on non-absorbent, smooth surfaces such as metal, glass, plastic, etc. The wipe materials must be compatible with the solvent used and the analyses to be performed, and should not come apart during use. The wipes are saturated with a solvent; methylene chloride, hexane, isopropanol or analyte free water depending on the parameters to be analyzed. The laboratory performing the analyses can provide the appropriate solvent. Wipe samples should not be collected for volatile organic compounds analysis. Sampling personnel should be aware of hazards associated with the selected solvent and should take appropriate precautions to prevent any skin contact or inhalation of these solvents. All surfaces and areas selected for sampling should be based on the study's

objectives. Typically, 10 cm by 10 cm templates are prepared from aluminum foil which are secured to the surface of interest. The prepared (saturated with solvent) wipe(s) is removed from its container with tongs or gloves, and used to wipe the entire area with firm strokes using only one side of the wipe. The goal is to systematically wipe the whole area. The wipe is then folded with the sample side inward and placed into the sample container. This procedure is repeated until the area is free of visible contamination or no more wipes remain. Care should be taken to keep the sample container tightly sealed to prevent evaporation of the solvent. Samplers must also take care to not touch the used side of the wipe.

For items with porous surfaces such as documents (usually business records), insulation, wood, etc., actual samples of the materials are required. It is therefore important, that during the collection and/or analyses of the sample that evidentiary material is not destroyed.

All secondary containing pails will be secured in the vehicles while transporting the samples from the field to the laboratory for analyses. In addition, each pail should indicate when protective equipment is recommended to handle the actual waste/sample material

REFERENCEs

United States Environmental Protection Agency. November 2001. *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual.*

Roux FOPs:

011 Calibration and Maintenance of Portable Photoionization Detector
046 Sample Labeling, Storage and Shipment Procedures

TABLE 1

SAMPLING EQUIPMENT for VARIOUS WASTE UNITS

Equipment	Waste Units/Phases	Limitations
scoop with bracket/conduit	impoundments, piles, containers, tanks/liquids, solids, sludges	Can be difficult to collect deeper phases in multiphase wastes. Depth constraints.
spoon	impoundments, piles, containers/solids, sludges	Similar limitations as the scoop. Generally not effective in sampling liquids.
push tube	piles, containers/cohesive solids, sludges	Should not be used to sample solids with dimensions >'/2 the diameter of the tube. Depth constraints
auger	impoundments, piles, containers / solids	Can be difficult to use in an impoundment or a container, or for solidified wastes.
sediment sampler	impoundments, piles/solids, sludges	Should not be used to sample solids with dimensions >'/2 the diameter of the tube.
ponar dredge	impoundments/solids, sludges	Must have means to position equipment to desired sampling location. Difficult to decon.
COLIWASA or drum	impoundments, containers,	Not good with viscous wastes. Devices >_ 7'
thief	tanks/liquids	Require 2 samplers to use effectively.
DipstickTM /	impoundments, containers,	Not recommended for tanks >11 feet deep.
MucksuckerTM	tanks/liquids, sludges	Devices _> 7' require 2 samplers to use effectively
bacon bomb	impoundments, tanks/ liquids	Not good with viscous wastes.
bailer	impoundments, tanks/ liquids	Only if waste is homogeneous. Not good with viscous wastes
peristaltic pump with vacuum jug assembly	impoundments, tanks/liquids	Cannot be used in flammable atmospheres. Not good with viscous wastes
back-hoe bucket	piles/solids, sludges	May be difficult to access desired sampling location. Difficult to decon. Can lose volatiles.
split-spoon	piles/solids	Requires drill rig or direct push equipment.
roto-hammer	piles, containers/solids	Physically breaks up sample. May release volatiles. Not for flammable atmospheres.

ROUX

FIELD OPERATING PROCEDURES

Calibration & Maintenance of Portable Particulate Meter

FOP 084.0

CALIBRATION AND MAINTENANCE OF PORTABLE PARTICULATE METER

PURPOSE

This guideline describes a method for calibration of a portable particulate meter, specifically the Thermo Electron Corporation MIE DataRAM 4 (Model DR-4000). The DataRAM 4 measures the concentration of airborne particulate matter (liquid or solid), as well as mean particle size, air temperature, and humidity, providing direct and continuous readout as well as electronic recording of the information. This parameter is of interest both as a general indicator of air quality, and because of its pertinence to community air monitoring typically required at most construction/remediation/investigation sites. The DataRAM covers a wide measurement range from 0.0001 mg/m^3 to 400 mg/m^3. With its large capacity internal data logging capabilities with data retrieval on screen or downloaded, the DataRAM can store up to 50,000 data points, including individual point averages, particle size, temperature, and humidity with time stamp as well as overall average and maximum concentration.

Because the DataRAM meter must be factory calibrated once a year, this guideline presents a method for start-up, operation, and maintenance, which is performed to verify instrument function. All field instruments will be calibrated, verified and recalibrated at frequencies required by their respective operating manuals or manufacturer's specifications, but not less than once each year. Field personnel should have access to all operating manuals for the instruments used for the field measurements. This procedure also documents critical maintenance activities for this meter. The user should reference the manufacturer's instruction manual prior to operating this unit.

ACCURACY & PRECISION

The calibrated accuracy of the DataRAM 4 particulate meter is within ± 2% of reading ± precision over the temperature range of -4° to 158° F (-10° to 50° C) and 10 to 95% relative humidity (non-condensing). The precision is ± 1% of reading or ± 0.001 mg/m^3, whichever

is greater (1-second averaging) and ± 0.3% of reading or ± 0.0003 mg/m^3, whichever is greater (10-second averaging).

INSTRUMENT PANEL VIEW

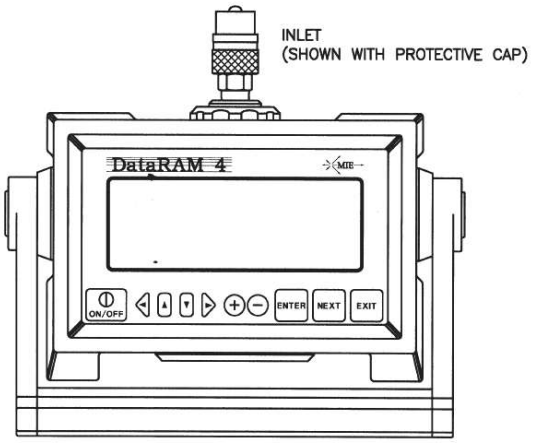


FIGURE 1. FRONT–PANEL VIEW OF DataRAM

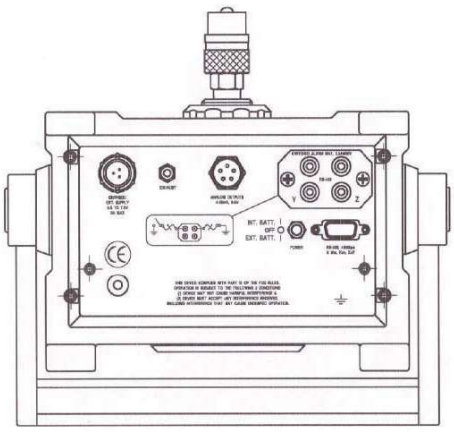


FIGURE 2. BACK–PANEL VIEW OF DataRAM

MAINTENANCE

General Guidelines

The DataRAM 4 is designed to be repaired at the factory. No user serviceable components are inside the metal enclosure of the DataRAM 4 with exception of the filter cartridge or the analytic filter holder. Access to the internal components of the unit by others than authorized MIE personnel voids warranty.

Unless a MALFUNCTION message is displayed, or other operational problems occur, the DataRAM 4 should be returned to the factory once every two years for routine check out, test, cleaning and calibration check.

Battery Charging and Cycling

If the DataRAM 4 is to be operated without its charger/power supply, i.e., deriving power from its internal battery, this battery should be fully charged before initiating a run. The

DataRAM 4 charger/power supply can be connected continuously to the instrument whether the DataRAM 4 is on or off. If the charger/power supply is not connected, the internal battery will discharge very slowly depending on storage temperature. Low storage temperature reduces battery capacity. High storage temperatures, however, reduce battery life which is of the order of 8 years at 20°C (68°F), and only 2 years at 40°C (104°F).

In general, the user should maintain the battery charge as high as possible in order to extend its charge/discharge cycling capacity (this characteristic differs from that of nickel-cadmium batteries).

Instrument Storage

If the DataRAM 4 is to be stored for an extended period of time (i.e., 3 months or more), place the 3-position switch on the back panel in its OFF position (mid-position), in order to minimize gradual battery discharge. This will have no effect on data retention or internal clock function. It is recommended, however, that the battery be recharged every 3 months in order to prolong battery life.

During storage always snap on quick-connect cap over the instrument inlet to protect the sensing optics from gradual dust contamination. Store DataRAM 4 in a dry environment.

Filter Replacement

To replace either of two types of filters used with DataRAM 4, place the instrument on its back rubber feet (front panel facing upward). On the bottom surface of the DataRAM, locate the large threaded plastic filter cover and holding the cross bar, rotate this cover counterclockwise. Remove cover and the filter holder within the open cavity.

HEPA Filter Cartridge Replacement

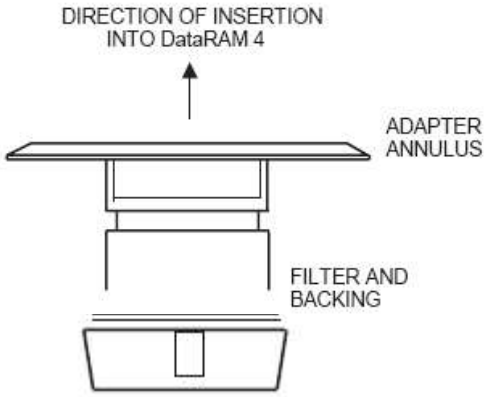
The DataRAM 4 is shipped from the factory with the HEPA filter cartridge installed. This cartridge can be identified by its metallic cover. Remove this cartridge. Clean the internal black rubber gasket against which the cartridge is normally compressed. Install new HEPA-type cartridge (MIE part no. MSA-95302) by inserting its wider ridged end first. Reposition threaded plastic cover engaging threads carefully; rotate cover clockwise, hand tightening firmly. Properly dispose of used cartridge to prevent inadvertent re-use.

Analytic Filter Installation/Replacement

In order to install or replace the analytical filter holder, proceed as follows. Remove the HEPA cartridge normally in place. Remove (separate) the inlet cover (with the blue plug) of the Millipore plastic filter holder from the rest of that holder assembly containing the white membrane filter. Insert firmly the gray plastic adapter annulus into the open face of the filter holder assembly. Remove the red plastic plug from the exhaust nipple of the filter holder assembly. Ensure that all three components of the holder assembly are fully compressed to preclude any leafage. Insert the assembly into the filter cavity of the DataRAM 4 with the gray plastic adapter annulus bearing against the internal black gasket (adapter annulus inserted first). Reposition threaded plastic cover and hand-tighten carefully and firmly. Set aside HEPA cartridge for future use.

In order to remove and/or to replace the membrane filter within its holder, remove the gray plastic adapter annulus and separate (pry apart) the two transparent plastic rings that compress the membrane filter. Make sure to remove and replace only the membrane filter (using tweezers), leaving the white backing disc in the holder. A new membrane filter should then be placed over that backing and the sealing ring should then be inserted to trap and compress the filter and backing discs. For storage, the inlet cap with the blue plug should be inserted as well as the red plug on the back of the filter holder.

Analytical filter holder with adapter annulus inserted



Cleaning of Optical Sensing Chamber

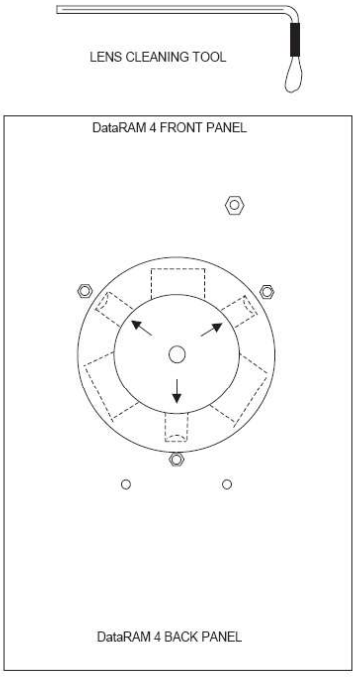
Although the DataRAM 4 incorporates filtered air shielding of the critical optical sensing surfaces, continued sampling of airborne particles at high concentrations may result in gradual build-up of contamination on those interior surfaces of the sensing chamber components. This may cause an excessively high optical background level. If this background level does becomes excessive, the DataRAM 4 will alert the user at the completion of the zeroing sequence by the display of a BACKGROUND HIGH message. If this message is presented, the DataRAM 4 can continue to be operated providing accurate measurements. However, it is then advisable to clean the front surfaces of the optical lenses within the sensing chamber at the first convenient opportunity, as described below. The tools required for this cleaning are: an intense concentrated light source (e.g., flash light) to view the inside of the sensing chamber, denatured alcohol, a soft lint-free cloth, and the special cleaning tool provided with the DataRAM 4 consisting of a cut-off cotton swab inserted in a plastic sleeve and held by a right-angle Allen wrench.

Proceed as follows to clean the lens surfaces within the sensing chamber:

- **Make sure to shut off power completely before proceeding with cleaning**
- Install the stainless steel cover on the inlet of the DataRAM 4 to protect this fitting.
- Place the DataRAM 4 upside down on a table, resting the instrument on the inlet cover and the rear protective bumper.
- Unscrew the gray plastic cover of the filter cavity on the bottom surface of the DataRAM 4.
- Remove the filter cartridge from its cavity.
- Carefully clean the black soft filter-sealing gasket within the filter cavity by wiping it with the lint-free soft cloth. Use alcohol if necessary.
- Shine the concentrated light source into the sensing chamber located about 3 cm (1¼ in.) beyond the soft-sealing gasket in the filter cavity.
- Locate the three smaller side cavities inside the sensing chamber, identified by the arrows on that figure (see page 6). These three cavities contain the lenses of the two sources and the common detector of the DataRAM 4. The frontal surfaces of these lenses are likely to require cleaning if the instrument indicates BACKGROUND HIGH.
- Wet the cotton swab of the lens-cleaning tool with alcohol (e.g., methanol, ethanol, or rubbing alcohol).

- Holding the cleaning tool by its long handle, insert this tool into the sensing chamber without touching the walls of this chamber.
- Direct the cotton swab tip towards the opening of one of the three smaller cavities as indicated by the arrows of the figure below, and insert the cotton tip into this cavity as far as it will go. Gently wipe that internal surface touched by the swab tip by a rotating motion. Carefully withdraw the swab tip from the cavity.
- Repeat previous cleaning step for the other two small cavities.
- Carefully remove the cleaning tool from the sensing chamber. Allow the alcohol to dry leaving the filter cavity open for about 15 minutes.
- Re-insert the filter cartridge into its cavity and close it with its gray plastic cover, hand-tightening it firmly. Remove the inlet cap and store on its pod on the back panel.
- Place the DataRAM 4 right side up and key ON. Proceed to check its optical background by running the ZERO/INITIALIZE check as. The message READY! should appear at the end of this check indicating that the lens contamination has been eliminated. Should the message BACKGROUND HIGH persist after completion of the above-described lens cleaning procedure, please contact the factory.

Lens cleaning tool and bottom view of open filter cavity showing location of sensor chamber lens cavities (arrows).



FACTORY CALIBRATION

For mass concentration measurements, each DataRAM 4 is factory calibrated against a set of reference monitors that, in turn, are periodically calibrated against a gravimetric standard traceable to the National Institute of Standards and Testing (NIST).

The primary factory reference method consists of generating a dust aerosol by means of a fluidized bed generator, and injecting continuously the dust into a mixing chamber from which samples are extracted concurrently by two reference filter collectors and by two master real-time monitors that are used for the routine calibration of every DataRAM 4.

The primary dust concentration reference value is obtained from the weight increase of the two filters due to the dust collected over a measured period of time, at a constant and known flow rate. The two master real-time monitors are then adjusted to agree with the reference mass concentration value (obtained from averaging the measurements of the two gravimetric filters) to within ±1%.

Three primary, NIST traceable, measurements are involved in the determination of the reference mass concentration: the weight increment from the dust collected on the filter, the sampling flow rate, and the sampling time. Additional conditions that must be met are: a) suspended dust concentration uniformity at all sampling inlets of the mixing chamber; b) identical sample transport configurations leading to reference and instrument under calibration; and c) essentially 100% collection efficiency of filters used for gravimetric reference for the particle size range of the test dust.

The test dust used for the MIE factory calibration of the DataRAM 4 is SAE Fine (ISO Fine) supplied by Powder Technology, Inc. It has the following physical characteristics (as dispersed into the mixing chamber):

- Mass median aerodynamic particle diameter: 2 to 3 μm
- Geometric standard deviation of lognormal size distribution: 2.5
- Bulk density: 2.60 to 2.65 g/cm3
- Refractive index: 1.54

In addition to the mass calibration described above, the DataRAM 4 is factory calibrated using a gas with known scattering coefficient in order to adjust the relative scattering irradiance at the two source wavelengths.

ATTACHMENTS

None

ROUX

FIELD OPERATING PROCEDURES

Field Quality Control Procedures

FOP 085.0

FIELD QUALITY CONTROL PROCEDURES

PURPOSE

In addition to traditional environmental samples (e.g., soil, groundwater, wipe, vapor etc.) described in each project work plan, site-specific field quality assurance/quality control (QA/QC) samples are typically collected and analyzed to support the required third-party data usability assessment effort of a project. Site-specific QA/QC samples generally include matrix spikes, matrix spike duplicates, blind duplicates (where appropriate), and trip blanks which accompany aqueous volatile organic compound (VOC) samples only.

The number of QA/QC field samples (blind duplicate, matrix spike/matrix spike duplicate, trip blank, field blank, or equipment blank) will be designated prior to field mobilization, but final QC sample locations will be contingent upon field conditions. This procedure outlines and discusses each QA/QC sample that may be required during a project.

PROCEDURE

A brief summary of each QA/QC sample identified above is presented below. Where appropriate, the procedure to be used to collect these samples is also presented.

- **Trip Blanks** – A sufficient number of trip blanks for VOC analysis must be prepared by the laboratory and delivered to the sampling team prior to a sampling event, typically two or three 40-ml VOA vials with organic free reagent water. One sealed blank will be carried into the field per day along with the sample containers for each day that water matrix volatile organic samples are collected. Trip blanks will be transported and handled in the same manner as the actual samples. The results of the trip blank analysis will be reviewed to evaluate if the potential for sample contamination during transportation and handling exists. The trip blanks will be analyzed for the same VOCs (and method) as the project groundwater samples.

- **Blind Duplicate** – One blind duplicate must be collected and analyzed per 20 samples collected per matrix (i.e., soil, groundwater, soil vapor, etc.). The location

of the sample collection point will not be disclosed to the analytical laboratory, therefore the field sample containers will be returned to the laboratory identified only as the "blind duplicate." The well or sample location will be recorded in the Project Field Book or handheld RuggedReader® Pocket PC and on the field data sheets, and the results will be compared to review analytical precision. Sample analysis will be identical to the original sample per the project work plan. The Blind Duplicate sample must be collected simultaneously from the same source under identical conditions as the original sample.

- **Matrix Spike/Matrix Spike Duplicate (MS/MSD)** – A sufficient volume of sample will be collected at one sampling location per sampling event for MS/MSD analysis per matrix (i.e., soil and groundwater only). The laboratory will report the results of the MS/MSD analysis, which will be reviewed for sampling and analysis precision and accuracy. Sample analysis will be identical to the original sample per the project work plan. The MS/MSD sample must be collected simultaneously from the same source under identical conditions as the original sample.

- **Equipment (Rinsate) Blank** – In general, dedicated sampling equipment is used to minimize field decontamination time and avoid the need for equipment blanks; however there may be instances where the use of non-dedicated equipment cannot be avoided. An equipment blank will be collected for each day of sampling activity when non-dedicated sampling equipment is used. These equipment blank samples will be used as a QC check of the decontamination procedures for sampling equipment. Sample analysis for the equipment blank will consist of the most comprehensive parameter list used for risk assessment in which the non-dedicated equipment was used for environmental sample collection. During most projects, every effort to use dedicated sampling equipment should be made in order to minimize field decontamination time and avoid the need for equipment blanks. Equipment Blank sampling procedure is as follows:
    - Non-dedicated equipment are to be decontaminated in accordance with Roux's Non-disposable and Non-dedicated Sampling Equipment Decontamination procedures prior to use in the field. If organic-free

deionized water (generally provided by the laboratory) is not available for decontamination, equipment will be allowed to thoroughly air dry.
    - Once properly rinsed or allowed to air dry, analyte-free water (provided by the laboratory) is poured appropriately over or through the decontaminated sample collection device, collected in a sample container, and returned to the laboratory as a sample.

- **Field Blank** – A field blank is a sample of the unused final decontamination rinse water that is collected at the sampling site and returned to the laboratory as a sample. Sample analysis for the field blank will consist of the most comprehensive parameter list used during the investigation.

- **Split Sample** – A split sample is a sample that has been portioned into two or more containers from a single sample container or sample mixing container. Samples for VOC analysis should never be mixed prior to splitting.

- **Blank Wipe Samples** – There are two types of blank wipe samples, an equipment blank and a field blank that may be required per the project work plan, both are described below:
    - Equipment Blank – Required only if reusable templates are used for wipe sample collection. The decontaminated template is wiped with a hexane saturated swab. The swab is placed in the appropriate sample container and returned to the laboratory as a sample.
    - Field Blank – Clean disposable gloves are wiped with a hexane saturated swab. The swab is placed in the appropriate sample container and returned to the laboratory as a sample.

REFERENCES

Roux FOPs:

040 Non-disposable and Non-dedicated Sampling Equipment Decontamination

ROUX

FIELD OPERATING PROCEDURES

Underground Piping Decommissioning Procedures

FOP 088.0

UNDERGROUND PIPING DECOMMISSIONING PROCEDURES

PURPOSE

This procedure describes the method for the excavation and removal of underground piping requiring decommissioning that may contain hazardous or flammable material. Prior to each day or as necessary, the project Health and Safety Plan (HASP) will be reviewed with field personnel (e.g., tailgate safety meeting). It is the responsibility of field personnel to ensure all field equipment is in proper working order and calibrated according to manufacturer's recommendations.

PROCEDURE

1. Review project objectives and the Project HASP with the Contractor.

2. Perform excavation equipment safety checks with the operator. Specific concerns should include, but not limited to, no leaking hydraulic lines, fire extinguisher on board of the excavation equipment, operator experience etc.

3. Conduct tailgate health and safety meeting with project team and excavation operator(s) by completing the Tailgate Safety Meeting Form (sample attached). Discuss with excavation contractor personnel the scope of work and what will be expected of them.

4. Calibrate air-monitoring equipment in accordance with the appropriate TurnKey's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

5. Conduct community air monitoring as required by the HASP and/or Project Work Plan. Record all results on the Real Time Air Monitoring Log (sample attached), as necessary.

6. Mobilize the excavation equipment to the site and position over the required location.

7. Pre-stake locations in the field and measure distance from locations to nearest landmarks or survey the location using a handheld GPS unit, as required.

8. Wear appropriate protective gear (i.e., latex gloves, safety glasses), as required in the project HASP.

9. Excavate and expose underground piping requiring decommissioning in accordance with TurnKey's Test Pit Excavation & Logging Procedures FOP. Great care should be taken to avoid damaging the pipe and allowing the contents, if any, to be released to the environment.

10. Once exposed, over excavate the area around the section of pipe to be cut and place a container below the pipe. Tap two test holes in the top of the pipe using an intrinsically safe drill with non-sparking drill bit approximately 15 feet from the open end of the pipe (above the container).

11. Continue monitoring the ambient air space within the excavation for worker safety until work is complete. Refer to the project HASP for action levels.

12. Remove any solids and/or liquids within the first 15 to 20 feet of exposed pipe to the extent practicable.

13. Insert an appropriately sized double pipe seal apparatus into the open end of the pipe.

14. Using a single pipe seal apparatus attached to a steel rod, push the double pipe seal into the pipe beyond the tap holes (approximately 16 feet or so). Be sure to capture any residuals flowing out of the two tap holes with the previously mentioned container.

15. Retract the single pipe seal and push rod leaving an approximate 1 to 2 foot void space between the single and double pipe seal.

16. Through one of the tap holes, test the ambient air quality of the newly created void space between seals with an oxygen meter and explosimeter. If the air quality within the pipe indicates 0% oxygen on the oxygen meter and less than

10% Lower Explosive Limit (LEL) on the explosimeter, proceed with cutting the pipe into workable sections.

17. If the void space air quality exceeds either of those levels, inject nitrogen (or approved other inert gas) through the tap holes into the void air-space until safe levels are achieved. Nitrogen is 3% less dense than ambient air.

18. Cut the pipe into manageable sections (typically 15 feet) while periodically monitoring the ambient air within the pipe and injecting additional nitrogen (or approved other inert gas), as necessary.

19. Once section of pipe is removed, proceed with final cleaning activities in accordance with the project Work Plan and any local, state, and/or federal regulations.

20. Record all observations in the Project Field Book, including but not limited to length of recovered pipe, air monitoring observations, depths, diameters, etc.

ATTACHMENTS

Tailgate Safety Meeting Form (sample)
Real Time Air Monitoring Log (sample)

REFERENCES

TurnKey FOPs:
006 Calibration and Maintenance of Combustible Gas/Oxygen Meter
065 Test Pit Excavation & Logging Procedures

TAILGATE SAFETY MEETING FORM

Project Name: Date: Time:
Project Number: Client:
Work Activities:

HOSPITAL INFORMATION:

Name:
Address: *City:* *State:* *Zip:*
Phone No.: *Ambulance Phone No.*

SAFETY TOPICS PRESENTED:

Chemical Hazards:

Physical Hazards: Slips, Trips, Falls

PERSONAL PROTECTIVE EQUIPMENT:

Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D

New Equipment:

Other Safety Topic (s): Environmental Hazards (aggressive fauna)
Eating, drinking, use of tobacco products is prohibited in the Exclusion Zone (EZ)

ATTENDEES

Name Printed	Signatures

Meeting conducted by:

REAL TIME AIR MONITORING LOG

Date:
Project Name:
Project Number:
Project Location:
Client:
Purpose of Air Monitoring:

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:		
Wind Direction:		
Wind Speed:		
Precipitation:		

Date	Personnel	Time	Air Monitoring Meter Measurement (Units)							Location/Activity/Comments
			PID (ppm)	LEL (%)	H_2S (ppm)	O_2 (%)	CO (ppm)	Particulates (mg/m³)	Other	

NOTE: SEE EQUIPMENT CALIBRATION LOG FOR DESCRIPTION OF EQUIPMENT TYPE.

Prepared By: Date:

ROUX

FIELD OPERATING PROCEDURES

Outdoor Ambient Air VOC Sample Collection Procedure

FOP 090.0

OUTDOOR AMBIENT AIR VOC SAMPLE COLLECTION PROCEDURE

PURPOSE

This procedure describes the methods for collecting outdoor ambient air samples for volatile organic compound (VOC) analysis via USEPA Method TO-15 using Summa® canisters (or approved other). Typically, outdoor air samples are collected to characterize and document site-specific VOCs that may be present in outdoor ambient air. For sample collection associated with intrusive activities that may potentially release VOCs to the ambient air, sample location(s) typically are collected downwind of the intrusive activity at the perimeter of the work area and/or exclusion zone for the Site. Upwind sample location(s) may be utilized if regional facilities (e.g. gasoline service station, factories) are located proximate to the Site to assess off-site ambient VOC contributions (background).

SAMPLE COLLECTION PROCEDURES

The following actions should be taken to document conditions during outdoor air sampling and ultimately to aid in the interpretation of the analytical results:

- A site map should be prepared to indicate the outdoor ambient air sample locations including all site improvements (e.g., buildings, access roads, etc.), public roads/streets (if applicable), the location of potential VOC contributors (e.g., gasoline stations, factories, lawn movers, etc.), compass orientation (north), and scale.

- Weather conditions (e.g., precipitation, wind speed, outdoor temperature, and barometric pressure) should be reported on the Air Canister Field Record (sample attached); and

- Any pertinent observations, such as odors, readings from field instrumentation, and significant activities in the vicinity (e.g., operation of heavy equipment or dry cleaners) should be recorded.

The following describes the outdoor air sampling procedure:

1. Typically, a 6-liter, passivated (inert), stainless steel, evacuated sampling sphere (e.g., Summa canister) (or approved other) will be supplied by the laboratory that will be conducting the analysis. The canister should be received from the laboratory, certified clean, evacuated, and prepared for sampling.

2. Sampling will take place in accordance with the project work plan. Selected sample locations will be sufficiently spaced to allow location(s) to be field modified, if necessary.

3. The number of Summa canisters required as well as the flow rate of the constant differential low volume flow controllers will be supplied by the laboratory in accordance with the project work plan.

4. Prior to placement, complete an Air Canister Field Record (sample attached) of each canister, which includes: project information, field staff, weather conditions, canister serial number, flow controller number, sample date(s)/time(s), shipping date(s), canister lab vacuum, field vacuum check, initial field vacuum, final field vacuum, and duration of sample collection.

5. The pressure in the canisters must be monitored with the laboratory provided pressure gauge at the beginning and the end of the sampling period as well as before and after shipment of the canisters at the laboratory. The **target final field vacuum must be approximately 5 inches of mercury. Samples with a final field vacuum of greater than 10 inches of mercury, or equal to zero, will be flagged** and usability of the data will depend on the sample volume and reporting limits that can be achieved.

6. Canisters may be placed on the ground provided there is a clear plastic sheet beneath it to prevent cross contamination. The intake tubing, however, must be positioned at a height of approximately 3 to 5-feet above grade to collect air at an elevation representative of ambient air within the breathing zone. Typically, the canister is chained and locked to a secure step ladder with the intake tubing tethered to the ladder.

7. Ship the canisters to the laboratory under chain-of-custody command within three days of sample collection so that no sample will exceed the 30-day holding time (since receipt from the lab) per USEPA TO-15.

8. Air samples will be analyzed by Gas Chromatography/Mass Spectroscopy (GC/MS) in accordance with EPA Method TO-15, or as specified. Analytical results will be reported as concentrations of each VOC at each location during each sampling event, typically in parts per billion by volume (ppbv).

9. Sample collection should take place on warm, dry days. If rain or high humidity conditions develop during sampling, the sampling event should be suspended. Temperature, barometric pressure, and wind speed should be monitored during the sampling event, for use in analysis of the results. The combination of sampling location, height, and meteorological conditions will assure that sampling will measure VOCs at their highest concentrations.

QUALITY ASSURANCE / QUALITY CONTROL (QA/QC)

Extreme care should be taken during all aspects of sample collection to ensure that sampling error is minimized and high quality data are obtained. The sampling team members should avoid actions (e.g., fueling vehicles, using permanent marking pens, and wearing freshly dry-cleaned clothing or personal fragrances), which can cause sample interference in the field. Appropriate QA/QC protocols must be followed for sample collection and laboratory analysis, such as use of certified clean sample devices, meeting sample holding times and temperatures, sample accession, chain of custody, etc. Samples should be delivered to the analytical laboratory as soon as possible after collection. In addition, laboratory accession procedures must be followed including field documentation (sample collection information and locations), chain of custody, field blanks, field sample duplicates, and laboratory duplicates, as appropriate.

Some methods require collecting samples in duplicate to assess errors. Duplicate and/or split samples should be collected in accordance with the requirements of the sampling and analytical methods being implemented.

For certain regulatory programs, a Data Usability Summary Report (DUSR) may be required to determine whether or not the data, as presented, meets the site or project specific criteria for data quality and data use. This requirement may dictate the level of QC and the category of data deliverable to request from the laboratory. Guidance on preparing a DUSR is available by contacting the NYSDEC's Division of Environmental Remediation.

New York State Public Health Law requires laboratories analyzing environmental samples collected from within New York State to have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. If ELAP certification is not currently required for an analyte (e.g., trichloroethene); then the analysis should be performed by a laboratory that has ELAP certification for similar compounds in air and uses analytical methods with detection limits similar to background (e.g., tetrachloroethene via EPA Method TO-15).

ATTACHMENTS

Air Canister Field Record (sample)

REFERENCES

United States Environmental Protection Agency. *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air*. Second Addition (EPA/625/R-96/010b). January 1999.

AIR CANISTER FIELD RECORD

PROJECT INFORMATION:

Project:
Job No:
Location:
Field Staff:
Client:

SAMPLE I.D.:

Size of Canister:
Canister Serial No.:
Flow Controller No.:
Sample Date(s):
Shipping Date:
Sample Type: ☐ Indoor Air ☐ Outdoor Air
☐ Subslab, complete section below ☐ Soil Gas
Soil Gas Probe Depth:

WEATHER CONDITIONS:

Ambient Air Temp. - A.M.:
Ambient Air Temp. - P.M.:
Wind Direction:
Wind Speed:
Precipitation:

FIELD SAMPLING INFORMATION:

READING	TIME	VACUUM (inches Hg) or PRESSURE (psig)	DATE	INITIALS
Lab Vacuum (on tag)				
Field Vacuum Check [1]				
Initial Field Vacuum [2]				
Final Field Vacuum [3]				
Duration of Sample Collection				

LABORATORY CANISTER PRESSURIZATION:

Initial Vacuum (inches Hg and psia)		
Final Pressure (psia)		
Pressurization Gas		

SUBSLAB SHROUD:

Shroud Helium Concentration:
Calculated tubing volume: x 3 =
Purged Tubing Volume Concentration:
Is the purged volume concentration less than or equal to 10% in shroud?
☐ YES, continue sampling
☐ NO, improve surface seal and retest

COMPOSITE TIME (hours)	FLOW RATE RANGE (ml/min)
15 Min.	316 - 333
0.5 Hours	158 - 166.7
1	79.2 - 83.3
2	39.6 - 41.7
4	19.8 - 20.8
6	13.2 - 13.9
8	9.9 - 10.4
10	7.92 - 8.3
12	6.6 - 6.9
24	3.5 - 4.0

NOTES:

1 Vacuum measured using portable vacuum gauge (provided by Lab)
2 Vacuum measured by canister gauge upon opening valve
3 Vacuum measured by canister gauge prior to closing valve

Signed: