RG&E PAVILION FORMER MGP SITE

GENESEE COUNTY

PAVILION, NEW YORK

SITE MANAGEMENT PLAN

NYSDEC Site Number: 819024

Prepared for:

Rochester Gas and Electric Corporation

3 City Center Building, 5th Floor

180 South Clinton Avenue

Rochester, New York 14604

Prepared by:

NEU-VELLE, LLC

10 Jones Avenue

Rochester, New York 14608

Revisions to Final Approved Site Management Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date
1	7/10/25	GMP Revised; GSR Evaluation Added. EE Added	9/5/25

JUNE 2020

CERTIFICATION STATEMENT

I Albert G. Lyons, Jr., P.E certify that I am currently a NYS registered professional engineer and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Albert G. Lyons, Jr P.E.

9/16/25 DATE

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List of Acronyms

ASP	Analytical Services Protocol
Bgs	Below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CAMP	Community Air Monitoring Plan
C/D	Construction and Demolition
CFR	Code of Federal Regulation
CLP	Contract Laboratory Program
COC	Certificate of Completion
CP	Commissioner Policy
CWG	Carbureted water gas
DER	Division of Environmental Remediation
DO	Dissolved Oxygen
EC	Engineering Control
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
ERP	Environmental Restoration Program
EWP	Excavation Work Plan
GWQS	Groundwater Quality Standards
HASP	Health and Safety Plan
IC	Institutional Control
JDB&S	J.D. Buckley and Son, Inc.
MGP	Manufactured Gas Plant
MSVCA	Multi-Site Voluntary Cleanup Agreement
NAPL	Non-aqueous Phase Liquid
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
O&M	Operation and Maintenance
OM&M	Operation, Maintenance and Monitoring
ORP	Oxidation-reduction Potential
OSHA	Occupational Safety and Health Administration
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyls
PID	Photoionization Detector
PPB	Parts Per Billion
PPM	Part Per Million
PRP	Potentially Responsible Party
PRR	Periodic Review Report
PSA	Preliminary Site Assessment
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan

RAO	Remedial Action Objective
RWP	Remedial Work Plan
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
ROD	Record of Decision
RP	Remedial Party
RSO	Remedial System Optimization
RG&E	Rochester Gas and Electric Corporation
SAC	State Assistance Contract
SCG	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective
SMP	Site Management Plan
SOP	Standard Operating Procedures
SOW	Statement of Work
SPDES	State Pollutant Discharge Elimination System
SVI	Soil Vapor Intrusion
SVOC	Semi-volatile Organic Compound
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
TPH	Total Petroleum Hydrocarbons
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VCA	Voluntary Cleanup Agreement
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound

ES EXECUTIVE SUMMARY

The following provides a brief summary of the controls implemented for the Site, as well as the inspections, monitoring, maintenance and reporting activities required by this Site Management Plan:

Site Identification:	NYSDEC Site 819024 RG&E Pavilion Former MGP Site 6903 Ellicott Street Road Pavilion, NY 14525

Institutional Controls:	1. The property may be used for Commercial use, and Industrial use, to the extent consistent with local zoning;	
	2. An Environmental Easement has been established for the real property comprising the Site.	
	3. All ECs must be inspected at a frequency and in a manner defined in the SMP.	
Engineering Controls:	1. Cover system	
Inspections:		Frequency
1. Cover inspection		Annually
Monitoring:		
1. Groundwater Monitoring Wells MW-1, MW-2, MW-3, MW-4A, and MW-5		Semi-Annually (spring and fall) for 3 years following Remediation (i.e., spring of 2020 through fall of 2022). After three years, the monitoring results will be reviewed with NYSDEC to evaluate the need for continued monitoring, the wells to be monitored and/or the frequency of monitoring events. Frequency was changed to annually (fall) in 2023 for 3 years (fall 2023 through fall 2025). After three years, the monitoring results will be reviewed with NYSDEC to evaluate the need for continued monitoring, the wells to be monitored and/or the frequency of monitoring events

Site Identification: NYSDEC Site 819024
RG&E Pavilion Former MGP Site
6903 Ellicott Street Road
Pavilion, NY 14525

Maintenance:	
1. Cover system	As needed
Reporting:	
1. Groundwater Monitoring Report	Semi-Annually for the First 3 Years (2020, 2021, and 2022), TBD by NYSDEC thereafter. Changed to annually in 2023 to coincide with the revised sampling frequency.
2. Annual Site Inspection Report	Annually
3. Periodic Review Report and Certification	Annually (Starting in 2021, or following issuance of the COC)

Further descriptions of the above requirements are provided in detail in the latter sections of this Site Management Plan.

1.0 INTRODUCTION

1.1 General

This Site Management Plan (SMP) is a required element of the remedial program for the Rochester Gas and Electric Corporation (RG&E) Pavilion Former MGP Site located in Pavilion, New York (hereinafter referred to as the "Site"). See **Figure 1**. The Site was formerly in the New York State (NYS) Voluntary Cleanup Program (VCP) (Site No. V00592) which was administered by the New York State Department of Environmental Conservation (NYSDEC). RG&E entered into a Multi-Site Voluntary Cleanup Agreement (MSVCA) with the NYSDEC in April 2003 to investigate and, where necessary, remediate seven former MGP sites (including Pavilion, VCP Site No. V00592). In 2018 the NYSDEC terminated the RG&E MSVCA (due to a state wide mandate for all VCAs) and three sites that had not yet received regulatory closure (including Pavilion) were rolled into a Multi-Site Order On Consent (MSOC) (DEC Index No. CO 8-20180517-48) that became effective June 26, 2018. The Pavilion Site subsequently was issued a new Site number (Site No. 819024) under the MSOC. The MSOC obligated RG&E to implement a remedial program for hazardous substances that are components of wastes associated with MGP-related operations at the Site.

A Site Plan showing the approximate boundaries of the Site and historic Site features is provided in **Figure 2**. The boundaries of the Site are more fully described in the metes and bounds Site description and the Site Survey that is part of the Environmental Easement provided in **Appendix A**.

After completion of the remedial work, some contamination was left at this Site, which is hereafter referred to as "remaining contamination". Institutional and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. An Environmental Easement granted to the NYSDEC, and recorded with the Genesee County Clerk, requires compliance with this SMP and all ECs and ICs placed on the Site.

This SMP was prepared to manage remaining contamination at the Site until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36. This plan has been approved by the NYSDEC, and compliance with this plan is required by the grantor of the Environmental Easement and the grantor's successors and assigns. This SMP may only be revised with the approval of the NYSDEC.

It is important to note that:

- This SMP details the Site-specific implementation procedures that are required by the Environmental Easement. Failure to properly implement the SMP is a violation of the Environmental Easement, which is grounds for revocation of the Certificate of Completion (COC);
- Failure to comply with this SMP is also a violation of Environmental Conservation Law, 6NYCRR Part 375 and the MSOC (DEC Index No. CO 8-20180517-48; Site #819024) for the Site, and thereby subject to applicable penalties.

All reports associated with the Site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State. A list of contacts for persons involved with the Site is provided in **Appendix B** of this SMP.

This SMP was prepared by NEU-VELLE LLC (NEU-VELLE), on behalf of RG&E, in accordance with the requirements of the NYSDEC's DER-10 ("Technical Guidance for Site Investigation and Remediation"), dated May 2010, and the guidelines provided by the NYSDEC. This SMP addresses the means for implementing the ICs and/or ECs that are required by the Environmental Easement for the Site.

1.2 Revisions

Revisions to this plan will be proposed in writing to the NYSDEC's project manager. The NYSDEC can also make changes to the SMP or request revisions from the remedial party. Revisions will be necessary upon, but not limited to, the following occurring: a change in media monitoring requirements, upgrades to or shut-down of a remedial system, post-remedial removal of contaminated sediment or soil, or other significant change to the Site conditions. All approved alterations must conform with Article 145 Section 7209 of the Education Law regarding the application of professional seals and alterations. For example, any changes to as-built drawings must be stamped by a New York State Professional Engineer. In accordance with the Environmental Easement for the Site, the NYSDEC project manager will provide a notice of any approved changes to the SMP and append these notices to the SMP that is retained in its files.

1.3 Notifications

Notifications will be submitted by the property owner to the NYSDEC, as needed, in accordance with NYSDEC's DER – 10 for the following reasons:

- 60-day advance notice of any proposed changes in Site use that are required under the terms of the MSOC, Decision Document, 6NYCRR Part 375 and/or Environmental Conservation Law.
- 7-day advance notice of any field activity associated with the remedial program.
- 15-day advance notice of any proposed ground-intrusive activity pursuant to the Excavation Work Plan.
- Notice within 48-hours of any damage or defect to the foundation, structures or EC that reduces or has the potential to reduce the effectiveness of an EC, and likewise, any action to be taken to mitigate the damage or defect.
- Notice within 48 hours of any non-routine maintenance activities.
- Verbal notice by noon of the following day of any emergency, such as a fire; flood; or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the Site, with written confirmation within 7 days that includes

a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action submitted to the NYSDEC within 45 days describing and documenting actions taken to restore the effectiveness of the ECs.

Any change in the ownership of the Site or the responsibility for implementing this SMP will include the following notifications:

- At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser/Remedial Party has been provided with a copy of the VCA, and all approved work plans and reports, including this SMP.
- Within 15 days after the transfer of all or part of the Site, the new owner's name, contact representative, and contact information will be confirmed in writing to the NYSDEC.

Table 1 on the following page includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of Site-related contact information is provided in **Appendix B**.

Table 1: Regulatory and Site Contacts and Notifications*

Name	**Contact Information**
NYSDEC Project Manager: Justin Starr 625 Broadway Street Albany, NY 12233	518-402-9662 Justin.Starr@dec.ny.gov
NYSDOH Project Manager: Anthony Perretta ESP Corning Tower, RM 1787 Albany, NY 12237	518-402-7860 Anthony.Perretta@health.ny.gov
Responsible Party:	585-450-7957

Jeremy Wolf RG&E 3 City Center Building, 5th Floor 180 South Clinton Avenue Rochester, New York 14604	Jeremy_Wolf@avangrid.com

* Note: Notifications are subject to change and will be updated as necessary.

2.0 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

2.1 Site Location and Description

The Site is located at 6903 Ellicott Street Road in the Town of Pavilion, Genesee County, New York and is identified as part of Lot 10, Section 2 and 3, Craigie Tract, Town of Pavilion Tax Map (see **Figure 1**). Access to the Site is through an easement assigned by J.D. Buckley and Son, Inc. (JDB&S). The Site is an approximately three-acre area and is bounded by agricultural land to the north and east, an agricultural products warehouse and distribution center operated by JDB&S to the south, and railroad tracks to the west (see **Figure 2 and Appendix A**). A cement/aggregate distribution facility operated by Hanson North America, Inc. exists west of the railroad tracks. The boundaries of the Site are more fully described in Appendix A –Environmental Easement. The owner(s) of the Site parcel(s) at the time of issuance of this SMP is RG&E.

2.2 Physical Setting

2.2.1 Land Use

The Site consists of the following: three concrete block buildings and a metal clad building and is surrounded by a chain-link fence. The Site is zoned industrial as depicted in the “Town of Pavilion, New York Official Zoning Map” (Town of Pavilion, 2004) and Genesee County Web Mapping service (Genesee County, 2019) and is currently utilized as the RG&E Pavilion Operations Center for office space, worker training, and vehicular and equipment storage.

The properties adjoining the Site and surrounding the Site primarily include residential and industrial properties. The properties immediately south and west of the Site include industrial properties; the properties immediately north and east of the Site include agricultural fields, zoned as residential property.

2.2.2 Geology

The Site has a generally flat surface topography with a gentle slope (approximately 2 feet across the Site) toward the northwest. The surface cover material at the Site is made up of imported crushed stone with a minimum thickness of one foot, installed as the final soil cover system during the remediation of the Site.

Test pits and soil borings completed by Geomatrix during the Preliminary Site Assessment (PSA) and Parsons during the Remedial Investigation (RI) indicated that the Site was generally underlain by a layer of fill material with a thickness of 2 to 3 feet. The fill material generally consisted of gravel, sand, coal fragments, wood, ash and brick fragments. In areas of the Site where MGP impacted soil was excavated during the remedial action, clean fill was placed consisting of crushed stone. As observed in the soil borings completed to a maximum depth of 24 feet during the RI, native soils below fill primarily consist of silt and clay with poorly graded sand and some gravel.

New York State (NYS) Bedrock Geology Mapping provided by the NYS Museum indicates the Site is underlain by clastic and carbonate rocks of the Hamilton Group. Bedrock was not encountered during the PSA or RI. Therefore, bedrock is present at depths greater than 20 feet in the immediate vicinity of the Site.

Site specific boring logs and test pit logs are provided in **Appendix C**.

2.2.3 Hydrogeology

Surface water in the vicinity of the office building and locker rooms is collected by a series of catch basins and transferred westward to an outlet in a drainage swale adjacent to the railroad property. Due to the relatively flat topography, surface water in other areas of the Site tends to collect in depressions in the crushed stone surface before infiltrating into the subsurface. Shallow drainage swales bordering the Site to the north, west, and east

mitigate surface water flow onto the property from adjacent parcels during heavy precipitation events.

Saturated conditions were encountered between approximately 1 and 7 feet below ground surface (bgs) during the PSA, RI and the Remedial Action. Groundwater elevations measured on July 30, 2019 following the remedial action when the wells were re-developed are generally consistent and indicate a shallow hydraulic gradient across the Site with groundwater flow in a northwesterly direction toward Oatka Creek.

A groundwater contour map is shown in **Figure 3**. Groundwater monitoring well construction logs are provided in **Appendix D**.

2.3 Investigation and Remedial History

The following narrative provides an investigation and remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones for the Site. Full titles for each of the reports referenced below are provided in Section 8.0 - References.

2.3.1 Operational History

Prior to RG&E ownership, the Site was operated by the Pavilion Natural Gas Company as an MGP from 1927 to 1937. Site structures included a single main MGP building housing the water gas sets, the boiler room and the pump/compressor rooms. Other former MGP structures and equipment included a tar separator, two gas purifier tanks, three cooling coils, a 200,000 and a 1,000,000 ft^3 gas holder, a compression tank, two above ground oil storage tanks, four water gas sets, a meter house, a rail spur, a water tower and a small building identified as a pit room directly south of the main MGP building. The approximate locations of former MGP structures are illustrated on **Figure 2**. Aside from the buildings and the tar separator, MGP processes were decommissioned and removed from the Site in the 1960s. The tar separator was a below-ground, concrete structure

(poured concrete construction) that partially remained on the north side of the former main MGP building (**Figure 2**).

According to historical accounts, the former MGP operations at the Site used a mixture of coke, oil, and steam to produce gas, which is consistent with a carbureted water gas (CWG) manufacturing process. The source of water to the Site is believed to be surface water pumped from nearby Oatka Creek (west of Site) through a pipeline and stored in the on-Site water tower.

After MGP Site closure in the late 1930s, the MGP processes, including above ground piping and structures for the gasholders, gas purifier tanks, and water tank, were decommissioned and removed from the Site in the 1960s. In the late 1970s to early 1980s, three approximately 500-gallon above ground storage tanks for vehicular fueling were added to the southeast portion of the Site. These tanks are no longer present on the property. The main MGP building was demolished by the RG&E facilities group in 2018 and the tar separator was removed from the Site during the remedial action in 2019.

2.3.2 Investigation History

A two phased preliminary Site investigation was conducted in order to characterize potential impacts resulting from former MGP operations. Geomatrix performed a Phase I Environmental Site Assessment (ESA) in November 2000 (Geomatrix, 2002). The Phase I ESA identified potential recognized environmental conditions that were are result of historical Site use consistent with an MGP. Subsequently, a Preliminary Site Assessment (PSA) was performed by Geomatrix in 2001 (Geomatrix, 2002). The PSA included the completion of several soil borings, the installation of groundwater monitoring wells, and the digging of test pits in areas of the Site where historical MGP processes were documented. An electromagnetic survey of the Site was also completed as part of the PSA, with the goal of mapping the distribution of buried metals and piping associated with the former MGP.

Based on the findings of the PSA investigation, a Remedial Investigation Work Plan (RIWP) (GEI, 2015) was developed and a RI was conducted at the Site to further delineate the presence and extent of impacts related to former MGP operations identified during the previous investigations. Parsons conducted RI field investigation activities between October and November 2015, with an additional round of groundwater sampling completed in January 2016, in accordance with procedures in the NYSDEC and NYSDOH-approved RIWP. The RIWP included the installation of soil borings, test pits, soil vapor sample probes, and one additional monitoring well. In addition, the RIWP included the collection of surface soil, subsurface soil, soil vapor, and groundwater samples for laboratory analysis. However, soil vapor sampling was not conducted due to the shallow groundwater table elevation at the Site. In addition, surface soil sampling was not conducted due to a visual inspection of the proposed sampling area, which revealed that the area did not have a vegetative cover, but instead was covered by gravel and used as a storage area for heavy equipment.

Sampling locations for the historic investigations discussed above are shown on **Figure 2**. A list of each sample submitted for laboratory analysis during historic field investigation activities, as well as which compounds each sample was analyzed for, and locations where regulatory exceedances were detected is provided in **Table 2**. A Remedial Investigation Report (RIR) (Parsons, 2016) was submitted to NYSDEC and provides a detailed summary of the field investigation results. The results of the historic investigations are summarized by media below.

Soil and groundwater were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, herbicides, polychlorinated biphenyls (PCBs) and metals including cyanide. Based upon these investigations, the primary contaminants of concern for the Site included VOCs, specifically benzene, toluene, and xylenes, and select polynuclear aromatic hydrocarbons (PAHs).

<u>Soil</u>

Contaminants of concern for the Site were detected in soils primarily at a depth of 1.5 to 2.0 feet below ground surface (bgs), generally located within two small areas associated with former historic features including the former tar separator and the gas holder. The former tar separator was located adjacent to the northwest portion of the main MGP building and the gas holder was located on the northeast portion of the Site. Source materials were encountered in soils in the immediate vicinity of the former tar separator. Non-aqueous phase liquid (NAPL) was observed in soil and groundwater within and in the immediate areas surrounding the former tar separator. In addition, soil near the separator exhibited a strong hydrocarbon odor. Benzene, toluene, and xylenes were detected at maximum concentrations of 1.58 parts per million (ppm), 0.92 ppm, and 2.06 ppm, respectively, slightly exceeding the soil cleanup objective (SCO) for unrestricted use (0.06 ppm for benzene, 0.7 ppm for toluene and 0.26 ppm for xylenes). PAHs of concern detected above the SCOs for unrestricted use include benzo(a)pyrene and dibenz(a,h)anthracene and were detected at maximum concentrations of 1.2 ppm and 0.63 ppm respectively, slightly exceeding the SCO for commercial use (1.0 for benzo(a)pyrene and 0.56 ppm for dibenz(a,h)anthracene.) In addition, NAPL and petroleum-impacted soil exhibiting a strong hydrocarbon odor were observed in the immediate area of the former tar separator.

Groundwater

No Site contaminants of concern were detected in groundwater above the NYS Ambient Water Quality Standards at the Site. A few inorganic compounds including iron, magnesium, manganese, and sodium, were detected at maximum concentrations of 11,900 parts per billion (ppb), 38,300 ppb, 1,000 ppb, and 370,000 ppb, respectively, exceeding groundwater standards of 300 ppb, 35,000 ppb, 300 ppb, and 20,000 ppb (See **Table 4** and **Table 5**). Petroleum sheen was observed in groundwater in test pit located near the former tar separator.

Soil Vapor

Although soil vapor samples could not be collected during the RI due to the proximity of groundwater to Site ground surface elevations, the potential for soil vapor to be an exposure pathways is limited. Only two VOCs or SVOCs were detected above commercial SCOs on-Site, and no VOCs or SVOCs were detected above Class GA Groundwater Quality Standards (GWQSs). In addition, the on-Site office building, which is the building most frequently occupied, is located up-gradient from most of the former MGP structures, as well as any impacts. The training building is located on the upgradient edge of the gasholder. Some soil impacts were observed adjacent to this former gasholder; however, the impacts were relatively shallow (i.e., 1.5 -2 ft. bgs) and it is probable that most of the impacted soils in the area of the training building were removed to facilitate construction of the building and the associated concrete floor slab. The training building is also downgradient from the former above ground storage tanks; however, no MGP-related compounds were detected in the area above unrestricted SCOs and as previously noted, groundwater at the Site does not appear to be impacted with VOCs or SVOCs. Finally, the training building is not occupied on a regular basis and is utilized as a storage/maintenance area. Based on the lack of potential sources of contaminants to soil vapor in the vicinity of the office building and training building, as well as the minimal occupancy of the training building, vapor intrusion was not expected to be a pathway of concern based on the configuration, use and occupancy of the Site at the time of the RI.

In summary, the RIR presented the following conclusions:

- Remnants of the former MGP structures are present on the RG&E property.
- NAPL was encountered in one small area on-Site adjacent to the former tar separator. NAPL was not observed elsewhere on the Site.
- Possible MGP related impacts were encountered in Site soil at concentrations exceeding 6 NYCRR Part 375 unrestricted and industrial SCOs, generally found in two relatively small areas associated with former historic features. Soil samples with concentrations exceeding commercial SCOs were found in areas immediately adjacent to the former tar separator

(TP-2 and TP-2B) and 1,000,000 ft^3 gas holder (TP-9 and TP-10). The on-Site extent of MGP related impacts in soil were effectively delineated during investigation activities.

- Exposure to impacted soils is not anticipated during normal day to day operations at the Site. However, exposure is possible if intrusive activities are conducted at the Site.

- No VOCs or SVOCs were detected in groundwater.

A Remedial Work Plan was submitted by Parsons Engineering of New York, Inc. (Parsons) in January 2017 and was subsequently approved by NYSDEC on June 6, 2018. The NYSDEC Decision Document was also issued in the same approval letter on June 6, 2018. The primary objective of the RWP was to provide the basis for and describe the proposed remedial action for the Site to address MGP-related impacts encountered during the previous investigations conducted at the Site. The remedial goal for the Site was to ensure that MGP-related contamination would not present a threat to human health or the environment considering the manner in which the property is used.

2.3.3 Remedial History

The remedial action for the Site commenced in October 2018 and was completed in May 2019. The remedial activities are documented in the Final Engineering Report (FER) prepared by NEU-VELLE to which this SMP is appended. The remedy included the following major components:

- The demolition and removal of the concrete slab from the former main MGP building, following the demolition and removal of the building by the RG&E facilities group in 2018.

- The removal and off-site disposal of visually impacted soils (i.e., grossly contaminated soil, as defined in 6 NYCRR Part 375-1.2(u), NAPL, and soil that

create a nuisance condition, as defined in Commissioner Policy CP-51 Section G) within the limits of excavation of the tar separator area and from beneath the former main MGP building footprint excavation areas identified in **Figure 4**. The final horizontal and vertical limits of the remedial excavations are presented on **Figure 4**. The concrete structures associated with the tar separator were also removed and disposed off-site.

- Placement of a Site cover to allow for continued commercial use of the Site. The Site cover consisted of a minimum of one foot of compacted crushed stone placed over a demarcation layer. Site cover material, including any fill material brought to the site, met the SCOs for cover material for the use of the site as set forth in 6 NYCRR Part 375-6.7(d).

- Based on the soil clean objective of Total SVOCs concentration less than 500 ppm, as established in the Decision Document, and in order to facilitate the installation of the Site cover system, materials across the entire Site, extending to the existing building footprints and the perimeter fence, were excavated to a minimum depth of twelve (12) inches. The final elevations of the cover system approximately match the pre-remedial action elevations and are presented within the Post-Remediation As-Built Survey, provided as an attachment to the FER. In addition to soil, the materials removed included portions of the concrete gas holder and relief tank holder foundations and other shallow subsurface features (concrete, abandoned gas pipe etc.) that were encountered within the horizon of the Site cover.

- Off-Site disposal of excavated materials at a permitted landfill and/or thermal treatment facility.

- Off-Site disposal of 30,274 gallons of contaminated construction water that was pumped from the work area and containerized on site in temporary tanks.

- Abandonment of existing monitor well MW-4 (previously damaged) and replacement with new monitoring well MW-4A, located adjacent to the former MGP building.

- Imposition of an institutional control in the form of an environmental easement (**Appendix A**) and preparation of this SMP.

2.4 Remedial Action Objectives

The Remedial Action Objectives (RAOs) for the Site as listed in the Decision Document dated June 6, 2018 are as follows:

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Prevent the discharge of contaminants to surface water.
- Remove the source of ground or surface water contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.

- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- Prevent impacts to biota from ingestion/direct contact with soil causing toxicity or impacts from bioaccumulation through the terrestrial food chain.

2.5 Remaining Contamination

2.5.1 Soil

The elements of the selected remedy for the Site included excavation and off-site disposal of contaminant source areas, including:

- grossly contaminated soil, as defined in 6 NYCRR Part 375-1.2(u);
- non-aqueous phase liquids;
- soil with visual waste material or non-aqueous phase liquids;
- soil containing total SVOCs exceeding 500 ppm; and
- soils that create a nuisance condition, as defined in Commissioner Policy CP-51 Section G.

The excavation and off-site disposal of soil from within the limits of excavation of the tar separator area and the excavation performed beneath the former main MGP building (as described in Section 2.3.2) addressed the source area removal element of the remedy. Confirmatory soil samples were collected from these excavation limits during the remedial action and the results documented that Total SVOC concentrations were less than 500 ppm. **Table 3 s**ummarizes the confirmatory soil sample results. The locations of the confirmatory soil samples are depicted on **Figure 4**.

In addition, the remedy included placement of a Site cover to prevent exposure to remaining residual contamination left at the Site following removal of contaminant source areas and to allow for continued commercial use of the Site. Residual BTEX, acetone, and PAHs remain in inaccessible subsurface soil that is covered by the Site cover system as described below:

- BTEX concentrations in remaining subsurface soil slightly exceed unrestricted use SCOs at multiple locations at the Site, including TP-3, TP-5, TP-9, TP-10, and TP-14 generally at depths of 1.5 to 2.0 feet bgs. These samples were collected during the 2001 PSA. The highest total BTEX concentration is less than 5 mg/kg at TP-5.

- Acetone concentrations in subsurface soil exceed the unrestricted use SCO at multiple locations at the Site, including SB-05, SB-09, SB-12, TP-15, and TP-16, generally at greater depths of 2.0 to 14.0 feet bgs.

- PAH concentrations in subsurface soil exceed unrestricted use SCOs at multiple locations at the Site, including TP-5, TP-9, TP-10, and TP-12, generally at depths of 1.5 to 2.0 feet bgs. In addition, benzo(a)pyrene slightly exceeded the Commercial use SCO (1.0 mg/kg) at location TP-10 (1.17 mg/kg).

- Inorganic concentrations in subsurface soil exceed unrestricted use SCOs at multiple locations at the Site, including TP-3, TP-9, TP-10, TP-11 and TP-14,

generally at depths of 2.0 to 4.0 feet bgs. In addition, locations TP-9 and TP-10 had one or more inorganic concentrations that exceeded Commercial use SCOs.

Table 2 summarizes the historic chemical analysis performed at the Site and locations of soil samples collected that exceed the 6 NYCRR Part unrestricted use SCOs and the commercial use SCOs at the Site after completion of the remedial action. **Figure 4** shows the locations of BTEX, PAHs, and acetone at concentrations greater than unrestricted and commercial use SCOs that remain in subsurface soil beneath the Site cover system after completion of the remedial action.

An Excavation Work Plan is provided herein as **Appendix E** to be used as a guidance for appropriate soil handling and management protocols for any future excavation activity at the Site (e.g., associated with redevelopment of the Site) that may encounter remaining residual contamination beneath the Site cover. A geotextile fabric was placed prior to placement of the Site cover to serve as a demarcation layer between the clean imported fill and the underlying soil that may contain remaining residual contamination. The areas of known remaining subsurface impacts are identified on **Figure 4**. The requirements associated with future excavation as well as the revisions, notifications and reporting requirements provided in this SMP must be adhered to for future excavation activity conducted at the Site.

2.5.2 Groundwater

Groundwater samples were collected from four monitoring wells (MW-1 through MW-4) during the PSA, and analyzed for the NYSDEC Spills Technology and Remediation Series (STARS) List of VOCs and SVOCs (i.e., the NYSDEC petroleum guidance document available at the time of the PSA) as well as Resource Conservation and Recovery Act (RCRA) Metals (including total cyanide). Samples from MW-1 were analyzed for additional compounds including nitrate, chlorinated herbicides, and pesticides. During the RI, an additional monitoring well was installed (MW-05). Groundwater from all five Site monitoring wells were then sampled in November 2015 and

January 2016 and analyzed for VOCs, SVOCs, pesticides, herbicides, PCBs, metals, and cyanide. Analytical groundwater sample results were compared to the Class GA groundwater quality standards and guidance values (SGVs) contained in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 (NYSDEC, 1998). No VOCs, SVOCs, pesticides, herbicides, or PCBs were detected in groundwater samples during the PSA or RI.

Five inorganic compounds were detected in Site groundwater samples at concentrations above their respective Class GA groundwater quality SGVs (iron, magnesium, manganese, selenium, and sodium); however, these inorganic constituents are not typical indicators of past MGP activities. Sample analytical results for cyanide (a typical indicator of past MGP activities) indicated all detected concentrations were below the Class GA groundwater quality SGVs.

Tables 4 and **5**, extracted from the RIR (Parsons 2016), summarize the results of all samples of groundwater during the two rounds of sampling performed during the RI. Additional groundwater sampling following the completion of the remedial action was performed in March 2020, the results of which will be presented under separate cover as described in Section 7.

3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN

3.1 General

Since remaining contamination exists at the Site, Institutional Controls (ICs) and Engineering Controls (ECs) are required to protect human health and the environment. This IC/EC Plan describes the procedures for the implementation and management of all IC/ECs at the Site. The IC/EC Plan is one component of the SMP and is subject to revision by the NYSDEC.

This plan provides:

- A description of all IC/ECs on the Site;
- The basic implementation and intended role of each IC/EC;
- A description of the key components of the ICs set forth in the Environmental Easement;
- A description of the controls to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of IC/ECs, such as the implementation of the Excavation Work Plan (EWP) (as provided in **Appendix E**) for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the Site; and
- Any other provisions necessary to identify or establish methods for implementing the IC/ECs required by the Site remedy, as determined by the NYSDEC.

3.2 Institutional Controls

A series of ICs is required by the Decision Document to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination; and, (3) limit the use and development of the Site to commercial or industrial uses only. Adherence to these ICs on the Site is required by the Environmental Easement and will be implemented under this SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The IC boundaries are included within the limits of the Site boundary as defined in the Environmental Easement and depicted on the Easement survey map included in **Appendix A.** These ICs are:

- The controlled property may be used for: Commercial Use as described in 6 NYCRR 375-1.8(g)(2)(iii) and Industrial Use as described in 6 NYCRR 375-1.8(g)(2)(iv);
- All ECs must be operated and maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Genesee County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
- Data and information pertinent to Site management of the controlled property must be reported at the frequency and in a manner as defined in this SMP;

- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP;

- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;

- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;

- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

3.3 Engineering Controls

3.3.1 Site Cover

Exposure to remaining contamination at the Site is prevented by a cover system placed over the Site. This cover system is comprised of a minimum of 12 inches of crushed stone placed over a demarcation layer and the concrete building slabs from the existing remaining buildings at the Site. The Excavation Work Plan (EWP) provided in **Appendix E** outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed, and any underlying remaining residual contamination is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in Section 4.0 of this SMP. Any work that involves a breach of the Site cover and/or potential contact with remaining residual contamination at the Site will require development of a task specific excavation work plan that meets the minimum generic requirements of the EWP provided in **Appendix E**, as well as a Health and Safety Plan (HASP) and associated Community Air Monitoring Plan (CAMP) approved by the NYSDEC and NYSDOH.

3.3.2 Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC DER-10.

3.3.2.1 - Cover System

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in accordance with this SMP in perpetuity.

3.3.2.2 - Monitoring Wells

Groundwater monitoring activities to assess the effectiveness of the remedy will continue, as determined by the NYSDEC with consultation with NYSDOH, until residual groundwater concentrations of Site contaminants of concern are found to be consistently below ambient water quality standards, the SCGs, or have become asymptotic over an extended period, at a level acceptable to NYSDEC. In the event that monitoring data indicates that groundwater monitoring may no longer be required, a proposal to discontinue monitoring will be submitted to NYSDEC by the remedial party. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

4.0 MONITORING AND SAMPLING PLAN

4.1 General

This Monitoring and Sampling Plan describes the measures for evaluating the overall performance and effectiveness of the remedy. This Monitoring and Sampling Plan may only be revised with the approval of the NYSDEC. Details regarding the sampling procedures, data quality usability objectives, analytical methods, etc. for all samples collected as part of Site management for the Site are included in the Quality Assurance Project Plan (QAPP) provided in **Appendix F**.

This Monitoring and Sampling Plan describes the methods to be used for:

- Sampling and analysis of groundwater;
- Assessing compliance with applicable NYSDEC standards, criteria and guidance (SCGs), particularly TOGS 1.1.1, Class GA groundwater standards and guidance values; and
- Evaluating Site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment.

To adequately address these issues, this Monitoring and Sampling Plan provides information on:

- Sampling locations, protocol and frequency;
- Information on all designed monitoring systems (e.g., well construction logs);
- Analytical sampling program requirements;
- Inspection and maintenance requirements for monitoring wells;

- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

Reporting requirements are provided in Section 7.0 of this SMP.

4.2 Site – wide Inspection

Site-wide inspections will be performed once per year. Modification to the frequency or duration of the inspections will require approval from the NYSDEC. Site-wide inspections will also be performed after all severe weather conditions that may affect ECs or monitoring devices. During these inspections, an inspection form will be completed as provided in **Appendix G** – Site Management Forms. The form will compile sufficient information to assess the following:

- Compliance with all ICs, including Site usage;
- An evaluation of the condition and continued effectiveness of ECs, including conditions of cover materials and physical condition of Site wells;
- General Site conditions at the time of the inspection;
- The Site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that Site records are up to date; and
- Photograph the current Site conditions.

Inspections of all remedial components installed at the Site will be conducted. A comprehensive Site-wide inspection will be conducted and documented according to the SMP schedule, regardless of the frequency of the Periodic Review Report. The inspections will determine and document the following:

- Whether ECs continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the Environmental Easement;
- Achievement of remedial performance criteria; and
- If Site records are complete and up to date; and

Reporting requirements are outlined in Section 7.0 of this plan.

Inspections will also be performed in the event of an emergency. If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs that reduces or has the potential to reduce the effectiveness of ECs in place at the Site, verbal notice to the NYSDEC must be given by noon of the following day. In addition, an inspection of the Site will be conducted within 5 days of the event to verify the effectiveness of the IC/ECs implemented at the Site by a qualified environmental professional, as determined by the NYSDEC. Written confirmation must be provided to the NYSDEC within 7 days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

4.3 Post-Remediation Groundwater Monitoring and Sampling

To assess the performance of the remedy, groundwater monitoring was performed semi-annually for three years (2020 through 2022), for a total of six sampling events. Based on the analytical results of the groundwater sampling during this monitoring period, in a letter dated October 2, 2023, the NYSDEC approved the remediation party's request to discontinue BTEX and PAH laboratory analysis in groundwater and to continue with annual cyanide analysis for a monitoring period of three years (2023 – 2025). . Samples shall be collected from the existing groundwater monitoring well network. The current groundwater sampling locations, the required analytical parameters, and the schedule are

provided in **Table 6** below. Modification to the frequency or sampling requirements will require approval from the NYSDEC.

Table 6 – Post Remediation Groundwater Sampling Requirements and Schedule

Sampling Location	**Analytical Parameters**			**Schedule**
			Total Cyanide (EPA Method 9010)	
The following Groundwater Monitoring Wells will be gauged and sampled: MW-1, MW-2, MW-3, MW-4A, and MW-5.			X	Once per year (fall) for 3 years (i.e., fall of 2023 through fall of 2025). After three years, the monitoring results will be reviewed with NYSDEC to evaluate the need for continued monitoring, the wells to be monitored and/or the frequency of monitoring events.

Detailed sample collection and analytical procedures and protocols are provided in **Appendix H** – Field Sampling and Analytical Plan (FSAP) and **Appendix F** –QAPP. The field sampling procedures include monitoring for field parameters including dissolved oxygen (DO), pH, specific conductivity, and oxidation-reduction potential (ORP).

4.3.1 Groundwater Sampling

Groundwater monitoring will be performed according to the frequency stated in **Table 6** to assess the performance of the remedy. Modification to the frequency or sampling requirements will require approval from the NYSDEC.

The network of monitoring wells has been installed to monitor upgradient, on-Site and downgradient groundwater conditions at the Site. The network of on-Site wells has been designed based on the following criteria:

- The monitoring wells are intended to evaluate whether groundwater impacts are present at the Site after implementation of the remedial action, and if present, if they are attenuating over time.

Table 7 summarizes the wells identification number, as well as the purpose, location, depths, diameter and screened intervals of the wells. As part of the groundwater monitoring, five on-Site wells are sampled to evaluate the effectiveness of the remedial action. One on-Site well (MW-1) has been located hydraulically upgradient from the excavation area, one on-Site well (MW-4A) has been located adjacent to the excavation area, and three on-Site wells (MW-2, MW-3, and MW-5) have been located hydraulically downgradient of the excavation area and former MGP-related infrastructure. The locations of the monitoring wells are shown on **Figure 3**.

Table 7 – Monitoring Well Construction Details

Monitoring Well ID	Well Location	Coordinates – US Foot (NYS Plane West, NAD 83)		Well Dia-meter (inches)	Elevation - FT (NAVD88)				
		Northing	Easting		Casing [1]	Surface [1]	Top of PVC[1]	Screen Top[2]	Screen Bottom [2]
MW-1	Up-gradient	1049866.04	1298145.91	2	939.01	935.7	938.12	924.5	919.5
MW-2	Down-gradient	1050119.20	1298024.47	2	937.64	934.9	937.47	925.4	920.4
MW-3	Down-gradient	1050238.71	1298049.28	2	936.56	933.5	936.01	926	921
MW-4A	Adjacent	1050080.19	1298142.37	2	937.96	935.2	937.64	931.41	921.41
MW-5	Down-gradient	1050259.84	1298165.50	2	936.99	934.0	936.77	929	919

[1] Casing, ground surface, and top of PVC elevations surveyed by CT Male on December 19, 2019.
[2] Screen intervals are approximate derived from well construction logs and compared to depth below ground surface (bgs).

Monitoring well construction logs are included in **Appendix D** of this document.

The sampling frequency may only be modified with the approval of the NYSDEC. This SMP will be modified to reflect changes in sampling plans approved by the NYSDEC.

Deliverables for the groundwater monitoring program are specified in Section 7.0 – Reporting Requirements.

4.3.2 Repairs, Replacement, and Decommissioning

The monitoring wells may require periodic maintenance based on visual inspections. Maintenance activities will generally consist of:

- Replacing missing or broken locks;
- Repair/replacement of ground seals, protective casings, and locking caps.

If biofouling or silt accumulation occurs in the on-Site and/or off-Site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced, if an event renders the wells unusable.

Repairs and/or replacement of wells in the monitoring well network will be performed based on assessments of structural integrity and overall performance.

The NYSDEC will be notified prior to any repair or decommissioning of any monitoring well for the purpose of replacement, and the repair or decommissioning and replacement process will be documented in the subsequent Periodic Review Report. Well

decommissioning without replacement will be done only with the prior approval of the NYSDEC. Well abandonment will be performed in accordance with NYSDEC's guidance entitled "CP-43: Groundwater Monitoring Well Decommissioning Procedures." Monitoring wells that are decommissioned because they have been rendered unusable will be replaced in kind in the nearest available location, unless otherwise approved by the NYSDEC.

4.3.3 Soil Vapor Sampling

There are currently four buildings currently within the footprint of the Site: the office building; the locker room building, the training building, and the gas regulator building. As described in Section 2.3 soil vapor samples could not be collected during the RI due to the proximity of groundwater to Site ground surface. The office building is the only building that is regularly occupied. The training building and the locker room buildings are only periodically occupied. The gas regulator building is not meant for extended human occupancy. However, prior to the construction of any new enclosed structures located within the Site or should the use of the existing buildings change, an SVI evaluation will be conducted to evaluate whether any mitigation measures are necessary to eliminate potential exposure to vapors in the structure. Alternatively, an SVI mitigation system may be installed as an element of the building foundation without first conducting an investigation. This mitigation system may include a vapor barrier and piping for an SSD system, which can be activated if post-installation sampling results warrant activation.

Prior to conducting an SVI investigation or installing a mitigation system, a work plan will be developed and submitted to the NYSDEC and NYSDOH for approval. This work plan will be developed in accordance with the NYSDOH's October 2006 (or most recent) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH 2006) and the FSP (Appendix I). Measures to be employed to mitigate potential vapor intrusion will be evaluated, selected, designed, installed, and maintained based on the SVI evaluation, NYSDOH guidance, and construction details of the proposed structure.

Preliminary (non-validated) SVI sampling data will be forwarded to the NYSDEC and NYSDOH for initial review and interpretation. Upon validation, the final data will be transmitted to the agencies, along with a recommendation for follow-up action, such as mitigation.

SVI sampling results, evaluations, and follow-up actions will also be summarized in the report prepared subsequent to completion of the investigation and the next subsequent PRR.

4.3.4 Monitoring and Sampling Protocol

Groundwater sampling activities will be recorded in a field book and associated groundwater sampling log as provided in **Appendix G** - Site Management Forms. Other observations (e.g., groundwater monitoring well integrity, etc.) will be noted on the sampling log. The sampling log will serve as the inspection form for the monitoring network. Additional detail regarding monitoring and sampling protocols are provided in the Site-specific FSAP provided as **Appendix H** of this document.

5.0 OPERATION AND MAINTENANCE PLAN

5.1 General

The Site remedy does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems or air sparge/soil vapor extraction systems to protect public health and the environment. Therefore, the operation and maintenance of such components is not included in this SMP. However, this plan describes the measures necessary to perform routine maintenance on the cover materials and groundwater monitoring system (i.e., monitoring wells). This Maintenance Plan provides a brief description of the measures necessary to monitor and maintain the components of the remedy selected for the Site. This Maintenance Plan:

- Includes the steps necessary to allow individuals unfamiliar with the Site to inspect and maintain the cover materials and monitoring wells;
- Will be updated periodically to reflect changes in Site conditions or the manner that the Site is maintained.

This Maintenance Plan is not to be used as a stand-alone document, but as a component of this SMP.

5.2 Site Maintenance

A description of the non-mechanical Engineering Control (e.g., Site cover) is provided in **Section 2.3.** Descriptions of the annual inspection monitoring requirements for the soil cover materials and monitoring wells are included in **Section 4.3;** periodic routine maintenance is described below.

Maintenance activities will be documented on the Site Inspection Form (**Appendix G),** and also be recorded in a dedicated field log book. The Site Inspection Form will be included in the Annual Periodic Review Report, as described in **Section 7.**

5.2.1 **Surface Cover**

To mitigate the potential future exposure of persons working at the Site to remaining MGP residuals contamination, the surface covers must be maintained. If for any reason a cover material is to be repaired or replaced, new crushed stone, asphalt, or concrete material will be replaced in kind. Sloughing, cracking, settling, and/or erosion of the cover identified during the annual inspection will be repaired by placing additional cover material to meet, at a minimum, the original cover conditions, or taking other action as appropriate.

If subsurface disturbance occurs, the cover will be replaced in kind and consistent with the surrounding area and general use of that area.

5.2.2 Site Wells

The five monitoring wells identified for gauging and/or sampling will be inspected during the annual Site inspection.

Repairs, replacement, and decommissioning requirements are presented in **Section 4.3.2.**

Well redevelopment will be conducted as required, and in accordance with the procedures included in the FSAP. In addition to well re-development, the usage of an approved biocide and pumping may be required to reduce clogging of the screens due to bio-fouling.

5.3 Waste Handling

Miscellaneous wastes generated may be classified as general refuse or material impacted by MGP residuals. General refuse (material that has not contacted any MGP

residuals or other potentially regulated substances) will be managed as a non-hazardous waste and is not subject to this SMP.

Materials that contact MGP residuals will be considered to be impacted by MGP residuals. These waste materials can include, but are not limited to:

- used disposable materials;
- used PPE; and
- used sampling equipment.

Miscellaneous wastes will be decontaminated (if visible residuals are present and if practicable), containerized, temporarily staged on-Site, and characterized, if necessary, prior to off-Site disposal/treatment. Following characterization, the material will be labeled, transported, and disposed based on characterization results and in accordance with applicable rules and regulations.

Water and/or NAPL generated from monitoring, bailing and/or maintenance activities, and materials generated during re-development of wells will be sampled, as appropriate, and submitted for laboratory characterization for off-Site disposal.

After characterization, wastes will be transported off-Site in accordance with applicable local, state, and federal laws, rules, and regulations.

6.0 PERIODIC ASSESSMENTS/EVALUATIONS

6.1 Climate Change Vulnerability Assessment

Increases in both the severity and frequency of storms/weather events, an increase in sea level elevations along with accompanying flooding impacts, shifting precipitation patterns and wide temperature fluctuation, resulting from global climactic change and instability, have the potential to significantly impact the performance, effectiveness and protectiveness of a given Site and associated remedial systems. Vulnerability assessments provide information so that the Site and associated remedial systems are prepared for the impacts of the increasing frequency and intensity of severe storms/weather events and associated flooding.

This section provides a summary of vulnerability assessments that will be conducted for the Site during periodic assessments, and briefly summarizes the vulnerability of the Site and/or engineering controls to severe storms/weather events and associated flooding.

As described in Section 2.2, the Site is covered by the crushed stone Site cover and four buildings. The Site is not located in the 100-year or 500-year flood plain, or in a low laying or low groundwater recharge area. Drainage swales around the Site direct run-off from surrounding agricultural fields around the Site and discharge downstream. On-Site catch basins collect excess surface water on Site and discharges to a storm sewer system. The Site is not subject to potential flooding or erosion.

6.2 Green Remediation Evaluation

NYSDEC’s DER-31 Green Remediation requires that green remediation concepts and techniques be considered during all stages of the remedial program including Site management, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. This section of the

SMP provides a summary of any green remediation evaluations to be completed for the Site during Site management, and as reported in the Periodic Review Report (PRR).

6.2.1 Environmental Footprint Analysis

As part of the site management program, to promote implementation of green and sustainable remediation principles, an environmental footprint analysis has been completed and included (Appendix I) as part of the revisions to the SMP.

The FER for the Remedial Action and the SMP were both completed and approved by the NYSDEC prior to requirements for completing an environmental footprint analysis of the remedy. At the request of the NYSDEC, this SMP is being revised to include an environmental footprint analysis of the remedy, as implemented at the time of this SMP. Every effort was made to retroactively calculate the environmental footprint of the Remedial Action; however, with the Remedial Action completed in May 2019, some details may not be accounted for in the environmental footprint analysis.

The environmental footprint analysis was completed using the USEPA SEFA (Spreadsheets for Environmental Footprint Analysis). Water consumption, greenhouse gas emissions, renewable and non-renewable energy use, waste reduction and material use were estimated, and goals for the project related to these green and sustainable remediation metrics, as well as for minimizing community impacts, protecting habitats and natural and cultural resources, and promoting environmental justice, were established for the site management activities. Further, progress with respect to green and sustainable remediation metrics will be tracked and reported in periodic review reports and remedial system optimization reports as part of the site management program, and opportunities to further reduce the environmental footprint of the project will be identified as appropriate.

The Site remedy requires maintenance of the Site cover materials and periodic groundwater monitoring. As such, the long-term management of the Site involves minimal energy usage, emissions, water usage, and/or the disturbance or restoration of ecosystems.

Minimal waste generation will be associated with the bailing/purging of wells prior to sampling, during the occasional maintenance redevelopment of wells; best management practices (BMPs) will be used to minimize this waste and for handling. Some of the BMPs, as described in the USEPA BMPs related to green remediation (https://clu-in.org/greenremediation/bmps), relevant to the expected long-term monitoring and maintenance of the Site include:

- For any future well drilling, use minimally invasive drilling techniques such as direct-push or sonic technology whenever feasible to reduce drilling duration, avoid or minimize use of water, and prevent or reduce generation of cuttings and associated disposal of investigation derived waste (IDW).
- Compress the number of days needed for a given round of sampling
- Minimize the need for disposable single-use items such as plastic bags.
- Recycle materials that have not been in contact with potentially contaminated Site media, such as carboard and plastic containers.
- Any future Site maintenance of the soil cover system should follow BMPs for excavation and surface restoration.

Since the completion of the remedy, the Site owner has installed photovoltaic (PV) solar panels above the site cover system, thus promoting sustainable Site use. The electricity generated by the PV solar panels on-Site is used on-Site and excess is fed into the electrical grid.

6.2.2 Timing of Green Remediation Evaluations

For major remedial system components, green remediation evaluations and corresponding modifications will be undertaken as part of a formal Remedial System Optimization (RSO), or at any time that the Project Manager feels appropriate, e.g. during significant maintenance events or in conjunction with storm recovery activities.

Modifications resulting from green remediation evaluations will be routinely implemented and scheduled to occur during planned/routine operation and maintenance activities. Reporting of these modifications will be presented in the PRR.

6.2.3 Frequency of System Checks, Sampling and Other Periodic Activities

Transportation to and from the Site and use of consumables in relation to visiting the Site in order to conduct system checks and or collect samples and shipping samples to a laboratory for analyses have direct and/or inherent energy costs. The schedule and/or means of these periodic activities have been prepared so that these tasks can be accomplished in a manner that does not impact remedy protectiveness but reduces expenditure of energy or resources.

6.3 Remedial System Optimization

A Remedial Site Optimization (RSO) study will be conducted any time that the NYSDEC or the remedial party requests in writing that an in-depth evaluation of the remedy is needed. An RSO may be appropriate if any of the following occur:

- The remedial actions have not met or are not expected to meet RAOs in the time frame estimated in the Decision Document;
- The management and operation of the remedial system is exceeding the estimated costs;
- The remedial system is not performing as expected or as designed;
- Previously unidentified source material may be suspected;
- Plume shift has potentially occurred;
- Site conditions change due to development, change of use, change in groundwater use, etc.;

- There is an anticipated transfer of the Site management to another remedial party or agency; and

- A new and applicable remedial technology becomes available.

An RSO will provide a critique of a Site's conceptual model, give a summary of past performance, document current cleanup practices, summarize progress made toward the Site's cleanup goals, gather additional performance or media specific data and information and provide recommendations for improvements to enhance the ability of the present system to reach RAOs or to provide a basis for changing the remedial strategy.

The RSO study will focuses on overall Site cleanup strategy, process optimization and management with the intent of identifying impediments to cleanup and improvements to Site operations to increase efficiency, cost effectiveness and remedial time frames. Green remediation technology and principals are to be considered when performing the RSO.

7.0. REPORTING REQUIREMENTS

7.1 Site Management Reports

All Site management inspection, maintenance and monitoring events will be recorded on the appropriate Site management forms provided in **Appendix G**. These forms are subject to NYSDEC revision. All site management inspection, maintenance, and monitoring events will be conducted by a qualified person who directly reports to a PE who is licensed and registered in New York State.

All applicable inspection forms and other records, including media sampling data and system maintenance reports, generated for the Site during the reporting period will be provided in electronic format to the NYSDEC in accordance with the requirements of **Table 8** and summarized in the PRR.

Table 8: Schedule of Interim Monitoring/Inspection Reports

Task/Report	Reporting Frequency*
Post-Remediation Groundwater Monitoring Report	Semi-Annually (spring and fall) for 3 years following Remediation (i.e., spring of 2020 through fall of 2022). After three years, the monitoring results will be reviewed with NYSDEC to evaluate the need for continued monitoring, the wells to be monitored and/or the frequency of monitoring events. Frequency was changed to annually (fall) in 2023 for 3 years (fall 2023 through fall 2025). After three years, the monitoring results will be reviewed with NYSDEC to evaluate the need for continued monitoring, the wells to

	be monitored and/or the frequency of monitoring events.
Site-wide Inspection Report	Annually.
Periodic Review Report and Certification	Annually (Starting in 2021, or following issuance of the COC)

* The frequency of events will be conducted as specified until otherwise approved by the NYSDEC.

7.1.1 Groundwater Monitoring Report

Post-Remediation Groundwater Monitoring Reports will be prepared and submitted by RG&E to NYSDEC for each annual sampling event. The scope of work for each monitoring event is described in Section 4.3. Each Groundwater Monitoring Report will include, at a minimum:

- Date of event or reporting period;
- Name, company, and position of person(s) conducting monitoring activities;
- Description of the activities performed;
- A description of any problems or deviations from the work plan;
- Copies of all field forms completed (sampling logs, chain-of-custody documentation, etc.);
- Figure(s) showing the locations of the samples and summarizing the analytical results on the figures.
- A figure showing the measured water level elevations with contours of the water table and the inferred direction of groundwater flow.

- Data summary tables and graphical representations of contaminants of concern in groundwater, which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted.

- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (to be submitted electronically in the NYSDEC-identified format);

- Any observations, conclusions, or recommendations; and

- A determination as to whether contaminant conditions have changed since the last reporting event.

Data will be reported in digital format as determined by the NYSDEC.

7.1.2 Site-wide Inspection Report

The Site-wide inspection, which includes an inspection of the Site cover system, will be conducted on an annual frequency. The scope of work for each inspection is described in Section 4.2. The inspection will be performed by a qualified environmental professional or Professional Engineer licensed to practice in NYS. The Site-wide inspection will be performed using the inspection form provided in Appendix G. This requires observations of:

- Compliance with institutional controls;

- Compliance with engineering controls;

- Documentation of any changes to the Site or Site use since the previous inspection;

- Site Photographs.

The annual Site-wide inspection report will be submitted to NYSDEC.

7.2 Periodic Review Report

A PRR will be submitted to the NYSDEC project manager annually following issuance of the Certificate of Completion (COC).. In the event that the Site is subdivided into separate parcels with different ownership, a single PRR will be prepared that addresses the Site described in Appendix A - Environmental Easement. The report will be prepared in accordance with NYSDEC's DER-10 and submitted within 30 days of the end of each certification period. Groundwater sampling results will also be incorporated into the PRR. The report will include:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the Site.
- Results of the required annual Site inspections and severe condition inspections, if applicable.
- Description of any change of use, import of materials, or excavation that occurred during the certifying period.
- All applicable Site management forms and other records generated for the Site during the reporting period in the NYSDEC-approved electronic format, if not previously submitted.
- Identification of any wastes generated during the reporting period, along with waste characterization data, manifests, and disposal documentation.
- A summary of any monitoring data and/or information generated during the reporting period, with comments and conclusions.
- Data summary tables and graphical representations of contaminants of concern, which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends.

- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted in digital format as determined by the NYSDEC. Currently, data is supplied electronically and submitted to the NYSDEC EQuIS™ database in accordance with the requirements found at this link: http://www.dec.ny.gov/chemical/62440.html.

- A Site evaluation, which includes the following:

  - The compliance of the remedy with the requirements of the Site-specific Decision Document;

  - Any new conclusions or observations regarding Site contamination based on inspections or data generated by the Monitoring and Sampling Plan for the media being monitored;

  - Recommendations regarding any necessary changes to the remedy and/or Monitoring and Sampling Plan;

  - An update to the climate change vulnerability assessment if site or external conditions have changed since the previous assessment, and recommendations to address vulnerabilities.

  - A summary of the Green Remediation evaluation, including a quantitative and qualitative overview of a site's environmental impacts and recommendations to improve the remedy's environmental footprint. The PRR will include the completed Summary of Green Remediation Metrics form provided in Appendix I.

  - Trends in contaminant levels in the affected media will be evaluated to determine if the remedy continues to be effective in achieving remedial goals as specified by the Decision Document;

  - The overall performance and effectiveness of the remedy; and

– Site photographs.

7.2.1 Certification of Institutional and Engineering Controls

A qualified environmental professional or Professional Engineer licensed to practice in NYS will prepare, and include in the PRR, the following certification as per the requirements of NYSDEC DER-10:

"For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- *The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;*
- *The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;*
- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*
- *Nothing has occurred that would constitute a violation or failure to comply with any Site management plan for this control;*
- *Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*
- *If a financial assurance mechanism is required under the oversight document for the Site, the mechanism remains valid and sufficient for the intended purpose under the document;*
- *Use of the Site is compliant with the environmental easement;*
- *The engineering control systems are performing as designed and are effective;*
- *To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices; and*
- *The information presented in this report is accurate and complete.*

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, [name], of [business address], am certifying as [Owner's/Remedial Party's Designated Site Representative] for the Site."

The signed certification will be included in the Periodic Review Report.

The PRR will be submitted, in electronic format, to the NYSDEC project manager and the NYSDOH project manager. The Periodic Review Report may also need to be submitted in hard-copy format if requested by the NYSDEC project manager.

7.3 Corrective Measures Work Plan

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control or failure to conduct site management activities, a Corrective Measures Work Plan will be submitted to the NYSDEC for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the Corrective Measures Work Plan until it has been approved by the NYSDEC project manager.

7.4 Remedial Site Optimization Report

In the event that an RSO is to be performed (see Section 6.3), upon completion of an RSO, an RSO report must be submitted to the NYSDEC project manager for approval. The RSO report will document the research/ investigation and data gathering that was conducted, evaluate the results and facts obtained, present a revised conceptual Site model and present recommendations. RSO recommendations are to be implemented upon approval from the NYSDEC. Additional work plans, design documents, HASPs etc., may

still be required to implement the recommendations, based upon the actions that need to be taken. A final engineering report and update to the SMP may also be required.

The RSO report will be submitted, in electronic format, to the NYSDEC project manager and the NYSDOH project manager.

8.0 REFERENCES

Geomatrix, 2002. Phase I Environmental Site Assessment in November 2000.

Geomatrix, 2002. Preliminary Site Assessment RG&E Property No. 1252, May 2002.

GEI, 2015. Remedial Investigation Work Plan, RG&E Pavilion Former MGP Site. GEI Consultants, 2015.

NYSDEC, 1998. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. June 1998 (April 2000 addendum).

NYSDEC, 2001. Voluntary Cleanup Agreement (VCA) Index # B8-0535-98-07, executed on April 20, 2003 and amended April 2014.

NYSDEC, 2006. 6 NYCRR Part 375, Environmental Remediation Programs, December 14, 2006.

NYSDEC, 2010. DER-10 / Technical Guidance for Site Investigation and Remediation, May 3, 2010.

NYSDEC, 2018. NYSDEC Voluntary Cleanup Program Decision Document, RGE Pavilion – Ellicott Street Road Manufactured Gas Plant Site, Site No. V00592, June 6, 2018.

Parsons, 2016. Remedial Investigation Report, March 2016.

Parsons, 2018. Remedial Work Plan, June 2018.

Tables

Table 2
Summary of Chemical Analyses Performed
Former Manufactured Gas Plant
Pavilion, New York

				Chemical Analyses Performed										
	Location	Sample ID	Depth (ft bgs)	VOCs	SVOCS	Cyanide	PAHs	BTEX	Metals	TPH	Pesticides	Herbicides	Nitrate	PCBs
2002 -PSA Test Pit Samples	2001 Soil Samples													
	TP-1	not sampled	n/a											
	TP-2	TP-2	1.5				●	●						
	TP-2A	not sampled	n/a											
	TP-2B	TP-2B	1.5				●	●						
	TP-3	TP-3	1.5-2.0			●	●	●	●					
	TP-4	not sampled	n/a											
	TP-5	TP-5	1.5-2.0			●	●	●	●					
	TP-6	not sampled	n/a											
	TP-7	not sampled	n/a											
	TP-8	not sampled	n/a											
	TP-9	TP-9	2			●	●	●	●					
	TP-10	TP-10	1.5-2.0			●	●	●	●					
	TP-11	TP-11	1.5-2.0	●	●	●			●	●				
	TP-12	TP-12	1.5-2.0	●	●									
	TP-13	not sampled	n/a											
	TP-14	TP-14	1.5			●	●	●	●					
2002 -PSA Soil Borings	2001 Soil Samples													
	B-1	B-1		●	●	●								
	B-2	B-2		●	●	●								
	B-3	not sampled	n/a											
	B-4	B-4								●				
	B-5	not sampled	n/a											
	B-6	not sampled	n/a											
	B-7	B-7								●				
	B-8	B-8								●				
	B-9	not sampled	n/a											
	B-10	B-10			●					●				
	B-11	not sampled	n/a											
	B-12	not sampled	n/a											
2002 - PSA Groundwater Samples	2001 Groundwater Samples													
	MW-1	MW-1	n/a	●	●	●			●		●	●	●	
	MW-2	MW-2	n/a	●	●	●			●					
	MW-3	MW-3	n/a	●	●	●			●					
	MW-4	MW-4	n/a	●	●	●			●					
2015 RI Test Pit Samples	2015 Soil Samples													
	TP-15 (MS/MSD)	TP-15 (3')	3	●	●	●			●		●	●		●
	TP-16	TP-16 (4')	4	●	●	●			●		●	●		●
	TP-17 (dup)	TP-17 (3')	3	●	●	●			●		●	●		●
	TP-17	TP-17(6')	6	●	●	●			●		●	●		●

Note:
"●" Indicates that the specified chemical analysis was performed on sample, does not correlate to detections or exceedances.
Yellow shading indicates one or more of the results exceed an Unrestricted Use SCOs.
Red Circle indicates one or more of the results exceed Commercial Use SCOs.

Table 2
Summary of Chemical Analyses Performed
Former Manufactured Gas Plant
Pavilion, New York

	Location	Sample ID	Depth (ft bgs)	Chemical Analyses Performed										
				VOCs	SVOCS	Cyanide	PAHs	BTEX	Metals	TPH	Pesticides	Herbicides	Nitrate	PCBs
2015 RI Soil Borings	2015 Soil Samples													
	MW-05 (dup)	MW-05 (8-10')	8-10	●	●	●			●		●	●		●
	MW-05	MW-05 (16-18')	16-18	●	●	●			●					
	SB-01	SB-01 (14-16')	14-16	●	●	●			●					
	SB-01	SB-01 (18-20')	18-20	●	●	●			●					
	SB-02	SB-02 (2-4')	2-4	●	●	●			●		●	●		●
	SB-02	SB-02 (14-16')	14-16	●	●	●			●					
	SB-03	SB-03 (16-18')	16-18	●	●	●			●					
	SB-03	SB-03 (18-20')	18-20	●	●	●			●					
	SB-04	SB-04 (2-4')	2-4	●	●	●			●		●	●		●
	SB-04	SB-04 (18-20')	18-20	●	●	●			●					
	SB-05	SB-05 (8-10')	8-10	●	●	●			●		●	●		●
	SB-05	SB-05 (18-20')	18-20	●	●	●			●					
	SB-06	SB-06 (14-16')	14-16	●	●	●			●					
	SB-06	SB-06 (18-20')	18-20	●	●	●			●					
	SB-07 (MS/MSD)	SB-07 (4-6')	4-6	●	●	●			●		●	●		●
	SB-07	SB-07 (22-24')	22-24	●	●	●			●					
	SB-08	SB-08 (10-12')	10-12	●	●	●			●					
	SB-08	SB-08 (18-20')	18-20	●	●	●			●					
	SB-09	SB-09 (12-14')	12-14	●	●	●			●					
	SB-09	SB-09 (18-20')	18-20	●	●	●			●					
	SB-10	SB-10 (2-4')	2-4	●	●	●			●		●	●		●
	SB-10	SB-10 (18-20')	18-20	●	●	●			●					
	SB-11	SB-11 (4-6')	4-6	●	●	●			●		●	●		●
	SB-11	SB-11 (18-20')	18-20	●	●	●			●					
	SB-12	SB-12 (2-4')	2-4	●	●	●			●		●	●		●
	SB-12	SB-12 (18-20')	18-20	●	●	●			●					
	SB-13	SB-13 (10-12')	10-12	●	●	●			●					
	SB-13	SB-13 (18-20')	18-20	●	●	●			●					
2015 RI Groundwater Samples - Round 1	2015 Groundwater Samples - November													
	MW-01 (MS/MSD)	MW-01	n/a	●	●	●			●		●	●		●
	MW-02	MW-02	n/a	●	●	●			●		●	●		●
	MW-03	MW-03	n/a	●	●	●			●		●	●		●
	MW-04	MW-04	n/a	●	●	●			●		●	●		●
	MW-05 (dup)	MW-05	n/a	●	●	●			●		●	●		●
2016 RI Groundwater Samples - Round 2	2016 Groundwater Samples - January													
	MW-01 (MS/MSD)	MW-01	n/a	●	●	●			●		●	●		●
	MW-02	MW-02	n/a	●	●	●			●		●	●		●
	MW-03	MW-03	n/a	●	●	●			●		●	●		●
	MW-04	MW-04	n/a	●	●	●			●		●	●		●
	MW-05 (dup)	MW-05	n/a	●	●	●			●		●	●		●

Note:
"●" Indicates that the specified chemical analysis was performed on sample, does not correlate to detections or exceedances.
Yellow shading indicates one or more of the results exceed an Unrestricted Use SCOs.

Table 3 - Confirmation Soil Sample Analytical Results

Target Analyte	Units	Cleanup Criteria	CS-B-01 10/25/2018	CS-B-02 10/25/2018	CS-B-03 10/25/2018	CS-B-04 10/25/2018	CS-B-05 10/25/2018	CS-B-06 10/25/2018	Trip Blank 10/25/2018 (Liquid µg/L)
VOCs									
1,1,1-Trichloroethane	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
1,1,2,2-Tetrachloroethane	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
1,1,2-Trichloroethane	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
1,1-Dichloroethane	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
1,1-Dichloroethylene	µg/Kg	--	ND < 4.70	ND < 4.90 L	ND < 4.42	ND < 3.56 L	ND < 4.48 L	ND < 3.99 L	ND < 2.00
1,2,3-Trichlorobenzene	µg/Kg	--	ND < 11.8	ND < 12.2	ND < 11.1	ND < 8.89	ND < 11.2	ND < 9.97	ND < 5.00
1,2,4-Trichlorobenzene	µg/Kg	--	ND < 11.8	ND < 12.2	ND < 11.1	ND < 8.89	ND < 11.2	ND < 9.97	ND < 5.00
1,2-Dibromo-3-Chloropropane	µg/Kg	--	ND < 23.5	ND < 24.5	ND < 22.1	ND < 17.8	ND < 22.4	ND < 19.9	ND < 10.0
1,2-Dibromoethane	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
1,2-Dichlorobenzene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
1,2-Dichloroethane	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
1,2-Dichloropropane	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
1,3-Dichlorobenzene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
1,4-Dichlorobenzene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
1,4-dioxane	µg/Kg	--	ND < 47.0	ND < 49.0	ND < 44.2	ND < 35.6	ND < 44.8	ND < 39.9	ND < 20.0
2-Butanone	µg/Kg	--	ND < 23.5	ND < 24.5	ND < 22.1	ND < 17.8	ND < 22.4	ND < 19.9	ND < 10.0
2-Hexanone	µg/Kg	--	ND < 11.8	ND < 12.2	ND < 11.1	ND < 8.89	ND < 11.2	ND < 9.97	ND < 5.00
4-Methyl-2-Pentanone	µg/Kg	--	ND < 11.8	ND < 12.2	ND < 11.1	ND < 8.89	ND < 11.2	ND < 9.97	ND < 5.00
Acetone	µg/Kg	--	ND < 23.5	ND < 24.5	ND < 22.1	ND < 17.8	ND < 22.4	ND < 19.9	ND < 10.0
Benzene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 1.00
Bromochloromethane	µg/Kg	--	ND < 11.8	ND < 12.2	ND < 11.1	ND < 8.89	ND < 11.2	ND < 9.97	ND < 5.00
Bromodichloromethane	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Bromoform	µg/Kg	--	ND < 11.8	ND < 12.2	ND < 11.1	ND < 8.89	ND < 11.2	ND < 9.97	ND < 5.00
Bromomethane	µg/Kg	--	ND < 4.70	ND < 4.90 L	ND < 4.42	ND < 3.56 L	ND < 4.48 L	ND < 3.99 L	ND < 2.00
Carbon Disulfide	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Carbon Tetrachloride	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Chlorinated Fluorocarbon (freon 113)	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Chlorobenzene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Chloroethane	µg/Kg	--	ND < 4.70	ND < 4.90 L	ND < 4.42	ND < 3.56 L	ND < 4.48 L	ND < 3.99 L	ND < 2.00
Chloroform	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Chloromethane	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
cis-1,2-Dichloroethylene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
cis-1,3-Dichloropropylene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Cyclohexane	µg/Kg	--	ND < 23.5	ND < 24.5	ND < 22.1	ND < 17.8	ND < 22.4	ND < 19.9	ND < 10.0
Dibromochloromethane	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Dichlorodifluoromethane	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Ethylbenzene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Isopropylbenzene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
m&p-Xylene	µg/Kg	--	**2.83**	**2.73**	**4.83**	ND < 3.56	**2.79**	ND < 3.99	ND < 2.00
Methyl Acetate	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Methyl tert-Butyl ether	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Methylcylohexane	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Methylene chloride	µg/Kg	--	ND < 11.8	ND < 12.2	**8.76**	ND < 8.89	ND < 11.2	ND < 9.97	ND < 5.00
o-Xylene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Styrene	µg/Kg	--	ND < 11.8	ND < 12.2	ND < 11.1	ND < 8.89	ND < 11.2	ND < 9.97	ND < 5.00
Tetrachloroethene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Toluene	µg/Kg	--	ND < 4.70	ND < 4.90	**2.77**	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
trans-1,2-Dichloroethylene	µg/Kg	--	ND < 4.70	ND < 4.90 L	ND < 4.42	ND < 3.56 L	ND < 4.48 L	ND < 3.99 L	ND < 2.00
trans-1,3-Dichloropropylene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Trichloroethylene	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Trichlorofluoromethane	µg/Kg	--	ND < 4.70	ND < 4.90 L	ND < 4.42	ND < 3.56 L	ND < 4.48 L	ND < 3.99 L	ND < 2.00
Vinyl Chloride	µg/Kg	--	ND < 4.70	ND < 4.90	ND < 4.42	ND < 3.56	ND < 4.48	ND < 3.99	ND < 2.00
Xylene (Total)	µg/Kg	--	**2.83**	**2.73**	**4.83**	ND	**2.79**	ND	ND

Table 3 - Confirmation Soil Sample Analytical Results

Target Analyte	Units	Cleanup Criteria	CS-B-01 10/25/2018	CS-B-02 10/25/2018	CS-B-03 10/25/2018	CS-B-04 10/25/2018	CS-B-05 10/25/2018	CS-B-06 10/25/2018	Trip Blank 10/25/2018 (Liquid µg/L)
SVOCs									
1,1-Biphenyl	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
1,2-Benzphenanthracene (chrysene)	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
2,2-oxybis(1-Chloropropane)	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
2,4,5-Trichlorophenol	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
2,4,6-Trichlorophenol	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
2,4-Dichlorophenol	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
2,4-Dimethylphenol	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
2,4-Dinitrophenol	µg/Kg	--	ND < 1320	ND < 1350	ND < 1280	ND < 1310	ND < 1340	ND < 1370	NT
2,4-Dinitrotoluene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
2,6-Dinitrotoluene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
2-Chloronaphthalene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
2-Chlorophenol	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
2-Methylnaphthalene	µg/Kg	--	**494**	ND < 338	**210 J**	ND < 326	ND < 334	ND < 344	NT
2-Methylphenol	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
2-Nitroaniline	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
2-Nitrophenol	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
3&4-Methylphenol	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
3,3-Dichlorobenzidine	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
3-Nitroaniline	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
4,6-Dinitro-2-Methylphenol	µg/Kg	--	ND < 660	ND < 676	ND < 641	ND < 653	ND < 668	ND < 687	NT
4-Bromophenyl Phenyl Ether	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
4-chloro-3-Methylphenol	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
4-Chloroaniline	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
4-Chlorophenyl Phenyl Ether	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
4-Nitroaniline	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
4-Nitrophenol	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Acenaphthene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Acenaphthylene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Acetophenone	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Anthracene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Atrazine	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Benz(a)anthracene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Benzaldehyde	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Benzo(a)pyrene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Benzo(b)fluoranthene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Benzo(g,h,i)perylene	µg/Kg	--	**517**	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Benzo(k)fluoranthene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Benzyl Butyl Phthalate	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
bis(2-Chloroethoxy)Methane	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
bis(2-chloroethyl)ether	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
bis(2-Ethylhexyl)Phthalate	µg/Kg	--	ND < 330	ND < 338	**166 J**	ND < 326	ND < 334	ND < 344	NT
Caprolactam	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Carbazole	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Dibenz(a,h)anthracene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Dibenzofuran	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Diethyl Phthalate	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Dimethyl Phthalate	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
di-n-Butyl Phthalate	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
di-n-Octyl Phthalate	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Fluoranthene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Fluorene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Hexachlorobenzene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Hexachlorobutadiene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Hexachlorocyclopentadiene	µg/Kg	--	ND < 1320	ND < 1350	ND < 1280	ND < 1310	ND < 1340	ND < 1370	NT
Hexachloroethane	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Indeno(1,2,3-c,d)pyrene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Isophorone	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Naphthalene	µg/Kg	--	**625**	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Nitrobenzene	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
n-Nitroso-di-n-Propylamine	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
n-Nitrosodiphenylamine	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Pentachlorophenol	µg/Kg	--	ND < 660	ND < 676	ND < 641	ND < 653	ND < 668	ND < 687	NT
Phenanthrene	µg/Kg	--	**205 J**	ND < 338	**183 J**	ND < 326	ND < 334	ND < 344	NT
Phenol	µg/Kg	--	ND < 330	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Pyrene	µg/Kg	--	**215 J**	ND < 338	ND < 320	ND < 326	ND < 334	ND < 344	NT
Total SVOCs	µg/Kg	500,000	**2056**	ND	**559**	ND	ND	ND	NT

Table 3 - Confirmation Soil Sample Analytical Results

Target Analyte	Units	Cleanup Criteria	PAV-GASSO 01-031219 03/12/2019	PAV-GASSO 02-032219 03/22/2019	PAV-North 1-041119 4/11/2019	PAV-North 2-041119 4/11/2019	PAV-North 2 DUP-041119 4/11/2020	PAV-West 1-041119 4/11/2019	PAV-East 1-041119 4/11/2019	PAV-East 2-041119 4/11/2019	PAV-Bottom 1-041119 4/11/2019	PAV-Bottom 2-041119 4/11/2019
SVOCs												
1,1-Biphenyl	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
1,2-Benzphenanthracene (chrysene)	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**1350**	ND < 353	**728**
2,2-oxybis(1-Chloropropane)	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
2,4,5-Trichlorophenol	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
2,4,6-Trichlorophenol	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
2,4-Dichlorophenol	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
2,4-Dimethylphenol	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
2,4-Dinitrophenol	µg/Kg	--	ND < 1160	ND < 1050	ND < 1500	ND < 1410 M	ND < 1410	ND < 1770	ND < 1400	ND < 1320	ND < 1410	ND < 1340
2,4-Dinitrotoluene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
2,6-Dinitrotoluene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
2-Chloronaphthalene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
2-Chlorophenol	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
2-Methylnaphthalene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**545**	ND < 353	ND < 335
2-Methylphenol	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
2-Nitroaniline	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
2-Nitrophenol	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
3&4-Methylphenol	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
3,3-Dichlorobenzidine	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
3-Nitroaniline	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
4,6-Dinitro-2-Methylphenol	µg/Kg	--	ND < 580	ND < 526	ND < 749	ND < 704	ND < 706	ND < 885	ND < 701	ND < 662	ND < 706	ND < 669
4-Bromophenyl Phenyl Ether	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
4-chloro-3-Methylphenol	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
4-Chloroaniline	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
4-Chlorophenyl Phenyl Ether	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
4-Nitroaniline	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
4-Nitrophenol	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Acenaphthene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**1040**	ND < 353	**1440**
Acenaphthylene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**608**	ND < 353	ND < 335
Acetophenone	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Anthracene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**1490**	ND < 353	**1380**
Atrazine	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Benz(a)anthracene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**1540**	ND < 353	**799**
Benzaldehyde	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Benzo(a)pyrene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	**415 J**	ND < 351	**1100**	ND < 353	**352**
Benzo(b)fluoranthene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**1010**	ND < 353	**347**
Benzo(g,h,i)perylene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**985**	ND < 353	ND < 335
Benzo(k)fluoranthene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**649**	ND < 353	**272 J**
Benzyl Butyl Phthalate	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
bis(2-Chloroethoxy)Methane	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
bis(2-chloroethyl)ether	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
bis(2-Ethylhexyl)Phthalate	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Caprolactam	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Carbazole	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Dibenz(a,h)anthracene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Dibenzofuran	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**216 J**	ND < 353	ND < 335
Diethyl Phthalate	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Dimethyl Phthalate	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
di-n-Butyl Phthalate	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
di-n-Octyl Phthalate	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Fluoranthene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**3650**	ND < 353	**2410**
Fluorene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**1100**	ND < 353	**2080**
Hexachlorobenzene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Hexachlorobutadiene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Hexachlorocyclopentadiene	µg/Kg	--	ND < 1160	ND < 1050	ND < 1500	ND < 1410	ND < 1410	ND < 1770	ND < 1400	ND < 1320	ND < 1410	ND < 1340
Hexachloroethane	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Indeno(1,2,3-c,d)pyrene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**710**	ND < 353	ND < 335
Isophorone	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Naphthalene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	**266 J**	ND < 351	**414**	ND < 353	ND < 335
Nitrobenzene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
n-Nitroso-di-n-Propylamine	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
n-Nitrosodiphenylamine	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Pentachlorophenol	µg/Kg	--	ND < 580	ND < 526	ND < 749	ND < 704	ND < 706	ND < 885	ND < 701	ND < 331	ND < 706	ND < 669
Phenanthrene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	**4390**	ND < 353	**3340**
Phenol	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352	ND < 353	ND < 442	ND < 351	ND < 331	ND < 353	ND < 335
Pyrene	µg/Kg	--	ND < 290	ND < 263	ND < 374	ND < 352 M	ND < 353	**363 J**	ND < 351	**5120**	ND < 353	**2790**
Total SVOCs	µg/Kg	500,000	ND	ND	ND	ND	ND	**1044**	ND	**25917**	ND	**15938**

Table 3 - Confirmation Soil Sample Analytical Results

Target Analyte	Units	Cleanup Criteria	PAV-BOTTOM 3-042419 4/24/2019	PAV-WEST 2-042419 4/24/2019	PAV-SOUTH 1-042419 4/24/2019	PAV-SOUTH 2-042419 4/24/2019
SVOCs						
1,1-Biphenyl	µg/Kg	--	ND < 339	ND < 369	**354**	ND < 345
1,2-Benzphenanthracene (chrysene)	µg/Kg	--	ND < 339	ND < 369	**720**	ND < 345
2,2-oxybis(1-Chloropropane)	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
2,4,5-Trichlorophenol	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
2,4,6-Trichlorophenol	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
2,4-Dichlorophenol	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
2,4-Dimethylphenol	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
2,4-Dinitrophenol	µg/Kg	--	ND < 1360	ND < 1480	ND < 1270	ND < 1380
2,4-Dinitrotoluene	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
2,6-Dinitrotoluene	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
2-Chloronaphthalene	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
2-Chlorophenol	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
2-Methylnaphthalene	µg/Kg	--	ND < 339	ND < 369	**2020**	ND < 345
2-Methylphenol	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
2-Nitroaniline	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
2-Nitrophenol	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
3&4-Methylphenol	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
3,3-Dichlorobenzidine	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
3-Nitroaniline	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
4,6-Dinitro-2-Methylphenol	µg/Kg	--	ND < 678	ND < 738	ND < 636	ND < 690
4-Bromophenyl Phenyl Ether	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
4-chloro-3-Methylphenol	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
4-Chloroaniline	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
4-Chlorophenyl Phenyl Ether	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
4-Nitroaniline	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
4-Nitrophenol	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Acenaphthene	µg/Kg	--	ND < 339	ND < 369	**1620**	ND < 345
Acenaphthylene	µg/Kg	--	ND < 339	ND < 369	**301 J**	ND < 345
Acetophenone	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Anthracene	µg/Kg	--	ND < 339	ND < 369	**1320**	ND < 345
Atrazine	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Benz(a)anthracene	µg/Kg	--	ND < 339	ND < 369	**801**	ND < 345
Benzaldehyde	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Benzo(a)pyrene	µg/Kg	--	ND < 339	ND < 369	**244 J**	ND < 345
Benzo(b)fluoranthene	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Benzo(g,h,i)perylene	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Benzo(k)fluoranthene	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Benzyl Butyl Phthalate	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
bis(2-Chloroethoxy)Methane	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
bis(2-chloroethyl)ether	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
bis(2-Ethylhexyl)Phthalate	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Caprolactam	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Carbazole	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Dibenz(a,h)anthracene	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Dibenzofuran	µg/Kg	--	ND < 339	ND < 369	**449**	ND < 345
Diethyl Phthalate	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Dimethyl Phthalate	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
di-n-Butyl Phthalate	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
di-n-Octyl Phthalate	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Fluoranthene	µg/Kg	--	ND < 339	ND < 369	**1650**	ND < 345
Fluorene	µg/Kg	--	ND < 339	ND < 369	**1740**	ND < 345
Hexachlorobenzene	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Hexachlorobutadiene	µg/Kg	--	ND < 339	ND < 369	ND < 318	ND < 345
Hexachlorocyclopentadiene	µg/Kg	--	ND < 1360	ND < 1480	ND < 1270	ND < 1380
Hexachloroethane	µg/Kg	--	ND < 290	ND < 369	ND < 318	ND < 345
Indeno(1,2,3-c,d)pyrene	µg/Kg	--	ND < 290	ND < 369	ND < 318	ND < 345
Isophorone	µg/Kg	--	ND < 290	ND < 369	ND < 318	ND < 345
Naphthalene	µg/Kg	--	ND < 290	ND < 369	**484**	ND < 345
Nitrobenzene	µg/Kg	--	ND < 290	ND < 369	ND < 318	ND < 345
n-Nitroso-di-n-Propylamine	µg/Kg	--	ND < 290	ND < 369	ND < 318	ND < 345
n-Nitrosodiphenylamine	µg/Kg	--	ND < 290	ND < 369	ND < 318	ND < 345
Pentachlorophenol	µg/Kg	--	ND < 678	ND < 738	ND < 636	ND < 690
Phenanthrene	µg/Kg	--	ND < 290	ND < 369	**6270**	ND < 345
Phenol	µg/Kg	--	ND < 290	ND < 369	ND < 318	ND < 345
Pyrene	µg/Kg	--	ND < 290	ND < 369	**2280**	ND < 345
Total SVOCs	µg/Kg	500,000	ND	ND	**20253**	ND

Notes:

1. µg/Kg indicates micrograms per kilogram.
2. µg/L indicates micrograms per liter.
3. NT indicates not tested.
4. ND indicates non-detect.
5. SVOCs indicates semi-volatile organic compounds.
6. Bold text indicates detected result above reporting limit.
7. "J" - Result estimated between the quantitation limit and half the quantitation limit.
8. "M" -Matrix spike recoveries outside QC limits. Matrix bias indicated.
9. "L" - Laboratoty Control Sample recovery outside acceptable QC limits.

TABLE 4
2015 - Summary of Remedial Investigation Groundwater Analytical Data
Round 1

Iberdrola Pavillion Site 2015 Validated Groundwater Data - Round 1 Detected Compound Summary		NYSDEC Class GA Groundwater Standards/Guidance	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-01 MW-01-20151123 G4587-01 CTECH G4587 WATER 11/23/2015 10:40 2/23/2016	MW-02 MW-02-20151123 G4587-04 CTECH G4587 WATER 11/23/2015 15:30 2/23/2016	MW-03 MW-03-20151124 G4587-05 CTECH G4587 WATER 11/24/2015 10:05 2/23/2016	MW-04 MW-04-20151123 G4587-06 CTECH G4587 WATER 11/23/2015 14:00 2/23/2016	MW-05 MW-05-20151124 G4587-07 CTECH G4587 WATER 11/24/2015 12:15 2/23/2016	Dup of MW-05-20151124 MW-05 MW-105-20151124 G4587-08 CTECH G4587 WATER 11/24/2015 14:15 2/23/2016
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
	NONE DETECTED								
	SEMIVOLATILES								
	NONE DETECTED								
	PESTICIDES/HERBICIDES/PCBs								
	NONE DETECTED								
	INORGANICS								
7429-90-5	ALUMINUM	-	ug/l	58.9	77.2	51.6	55.6	74.6	86
7440-38-2	ARSENIC	25	ug/l	ND	7.53 J	ND	5.98 J	3.14 J	3.9 J
7440-39-3	BARIUM	1000	ug/l	79.4 J+	445	87	385	219	211
7440-70-2	CALCIUM	-	ug/l	109700 J	188400	71100	74200	172500	166400
7440-47-3	CHROMIUM, TOTAL	50	ug/l	ND	ND	ND	ND	1.3 J	ND
7439-89-6	IRON	300	ug/l	347	11900	44.5 J	5690	995	932
7439-95-4	MAGNESIUM	35000 (G)	ug/l	38300	14700	7820	8660	21400	20700
7439-96-5	MANGANESE	300	ug/l	96.5 J	982	207	861	678	639
7439-97-6	MERCURY	0.7	ug/l	ND	0.291	ND	0.119 J	ND	ND
7440-02-0	NICKEL	100	ug/l	ND	ND	ND	7 J	ND	ND
7440-09-7	POTASSIUM	-	ug/l	1960 J	5720	2920	2600	4400	4190
7782-49-2	SELENIUM	10	ug/l	14 J+	10.25 J+	16.8 J+	12.2 J+	17.6 J+	14.6 J+
7440-23-5	SODIUM	20000	ug/l	34900	370100	92400	277400	219300	211000
7440-66-6	ZINC	2000 (G)	ug/l	34.1	6.23 J	ND	ND	ND	ND
57-12-5	CYANIDE	200	ug/l	ND	21	27	ND	10	11
CAN	CYANIDE, AMENABLE	200	ug/l	ND	ND	7	ND	ND	ND

= Exceedance of NYSDEC Class GA Groundwater Standard

(G) = Guidance Value
ND = Not Detected
J = Estimated Result
J+ = Estimated Result, biased high

TABLE 5
2016 - Summary of Remedial Investigation Groundwater Analytical Data
Round 2

Iberdrola Pavillion Site 2016 Validated Groundwater Data - Round 2 SDG: H1201 Detected Compound Summary		NYSDEC Class GA Groundwater Standards/Guidance	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-01 MW-01-20160120 H1201-01 CTECH H1201 WATER 1/20/2016 11:00 2/23/2016	MW-02 MW-02-20160121 H1201-04 CTECH H1201 WATER 1/21/2016 9:20 2/23/2016	MW-03 MW-03-20160121 H1201-05 CTECH H1201 WATER 1/21/2016 11:30 2/23/2016	MW-04 MW-04-20160120 H1201-06 CTECH H1201 WATER 1/20/2016 14:00 2/23/2016	MW-05 MW-05-20160121 H1201-07 CTECH H1201 WATER 1/21/2016 14:00 2/23/2016	Dup of MW-05-20160121 MW-05 MW-105-20160121 H1201-08 CTECH H1201 WATER 1/21/2016 15:00 2/23/2016
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
	NONE DETECTED								
	SEMIVOLATILES								
	NONE DETECTED								
	PESTICIDES/HERBICIDES/PCBs								
	NONE DETECTED								
	INORGANICS								
7429-90-5	ALUMINUM	-	ug/l	228	131	78.1	96.5	149	122
7440-38-2	ARSENIC	25	ug/l	ND	3.7 J	ND	7.12 J	4.75 J	4.26 J
7440-39-3	BARIUM	1000	ug/l	70.3	385	76.7	417	180	170
7440-70-2	CALCIUM	-	ug/l	98700	185000	70300	88100	157000	150000
7440-47-3	CHROMIUM, TOTAL	50	ug/l	5.27 J	39	26.3	8.11	10.68	7.91
7439-89-6	IRON	300	ug/l	263	11500	120	9870	2030 J	1100 J
7439-95-4	MAGNESIUM	35000 (G)	ug/l	30100	14100	7420	9870	18100	17300
7439-96-5	MANGANESE	300	ug/l	64.3	1010	238	922	494	463
7439-97-6	MERCURY	0.7	ug/l	ND	0.486	ND	0.244	ND	ND
7440-02-0	NICKEL	100	ug/l	4.56 J	9.01 J	6.99 J	9.74 J	6.64 J	6.03 J
7440-09-7	POTASSIUM	-	ug/l	3360	4710	2400	2140	3270	3110
7782-49-2	SELENIUM	10	ug/l	7.51 J	6.79 J	10.14	7.79 J	7.74 J	9.26 J
7440-23-5	SODIUM	20000	ug/l	45100	377000	87900	306000	202000	194000
7440-66-6	ZINC	2000 (G)	ug/l	42.9	7.68 J	8.31 J	ND	ND	5.23 J
57-12-5	CYANIDE	200	ug/l	ND	7	14	ND	4 J	9 J

= Exceedance of NYSDEC Class GA Groundwater Standard

(G) = Guidance Value
ND = Not Detected
J = Estimated Result

Figures

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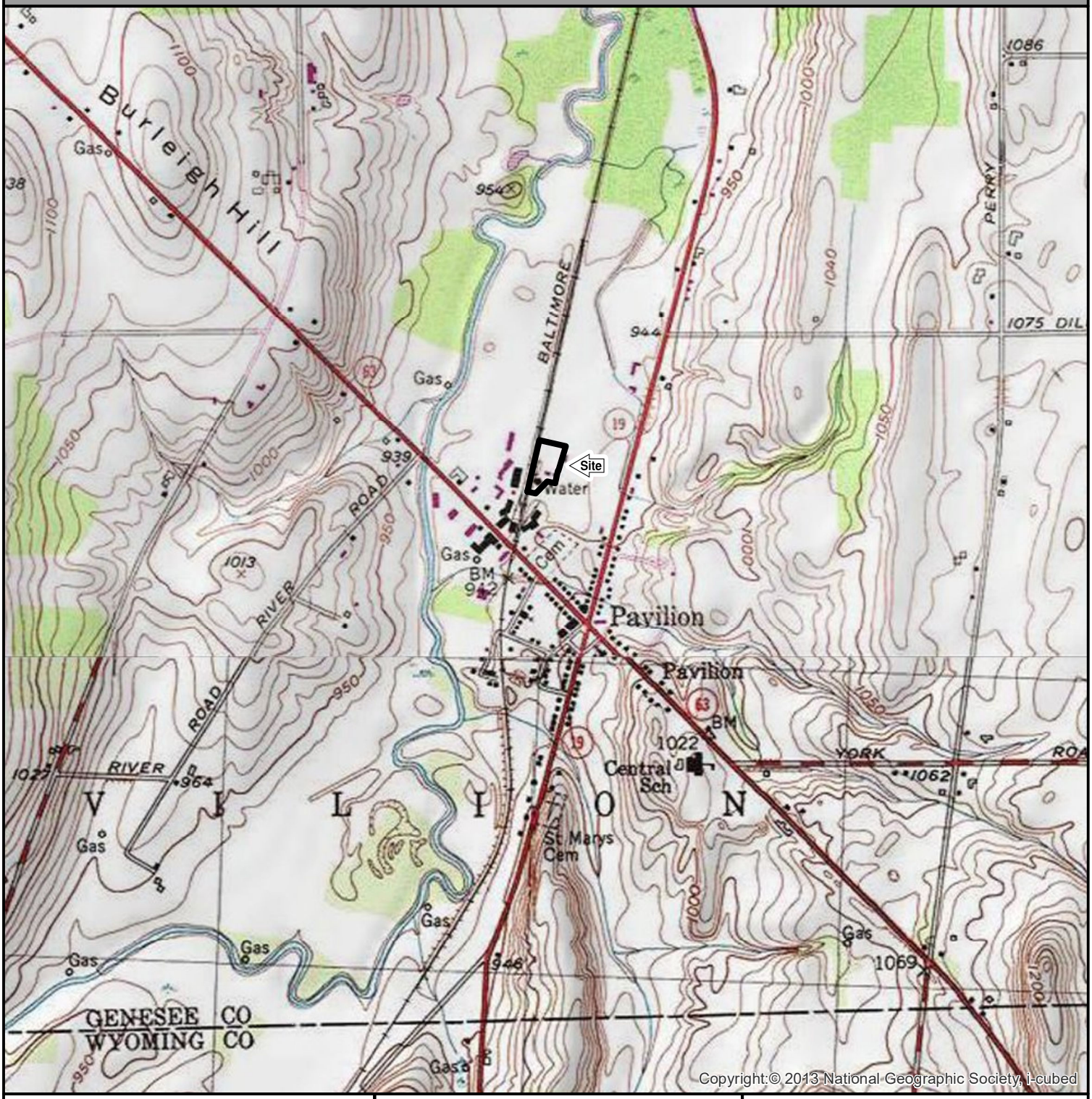
FIGURE 1 - SITE LOCATION



SOURCES:
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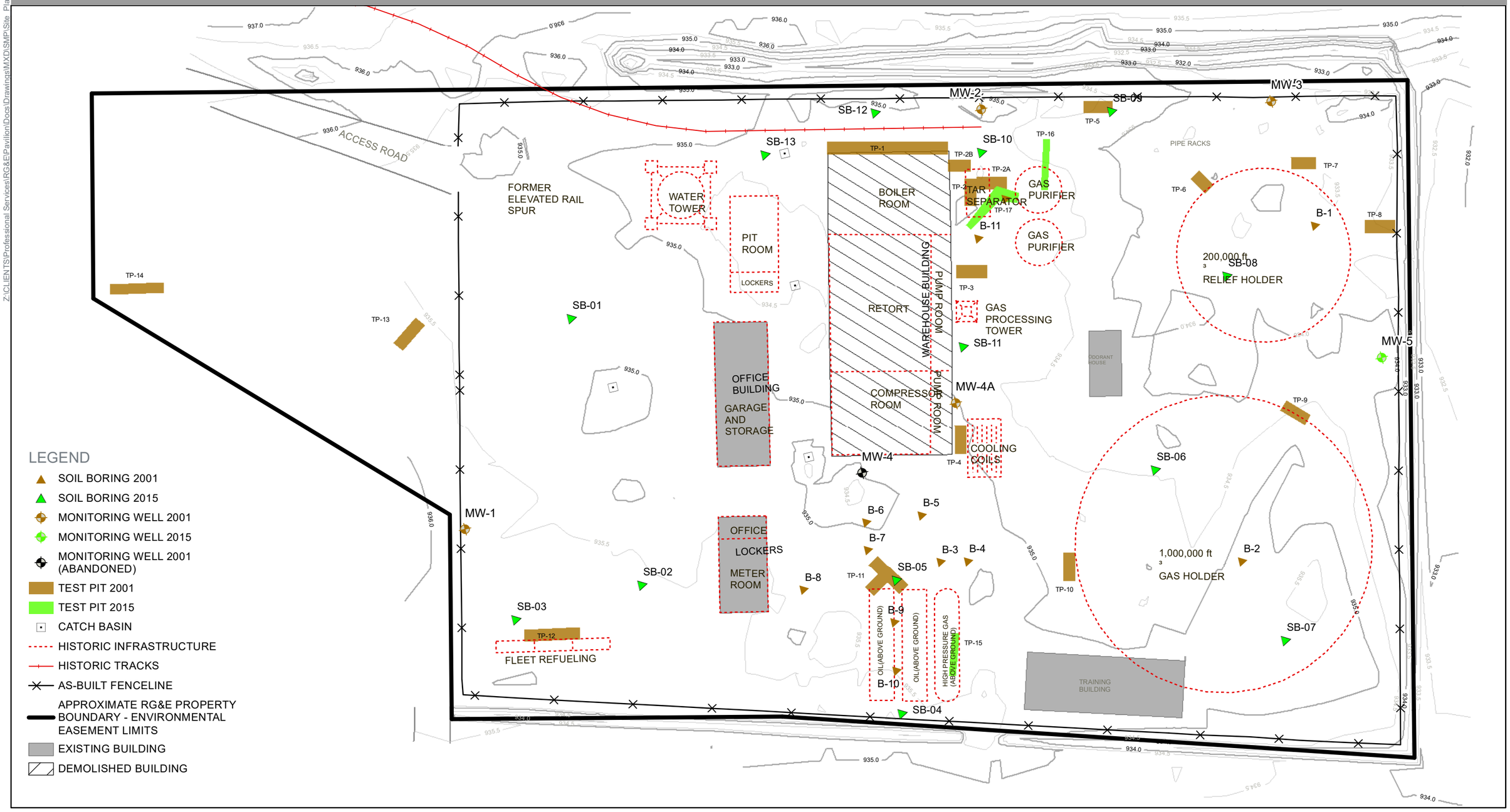
JUNE 2020

ROCHESTER GAS AND ELECTRIC CORPORATION
PAVILION FORMER MGP SITE
6903 ELICOTT STREET ROAD
PAVILION, NEW YORK

NEU-VELLE LLC

NEW YORK STATE -
GENESEE COUNTY



LEGEND

- SOIL BORING 2001
- SOIL BORING 2015
- MONITORING WELL 2001
- MONITORING WELL 2015
- MONITORING WELL 2001 (ABANDONED)
- TEST PIT 2001
- TEST PIT 2015
- CATCH BASIN
- HISTORIC INFRASTRUCTURE
- HISTORIC TRACKS
- AS-BUILT FENCELINE
- APPROXIMATE RG&E PROPERTY BOUNDARY - ENVIRONMENTAL EASEMENT LIMITS
- EXISTING BUILDING
- DEMOLISHED BUILDING

NOTE: HISTORIC SAMPLE LOCATIONS AND FEATURES PROVIDED BY PARSONS ENGINEERING, BASED ON REMEDIAL WORK PLAN FIGURE 2 (2018).

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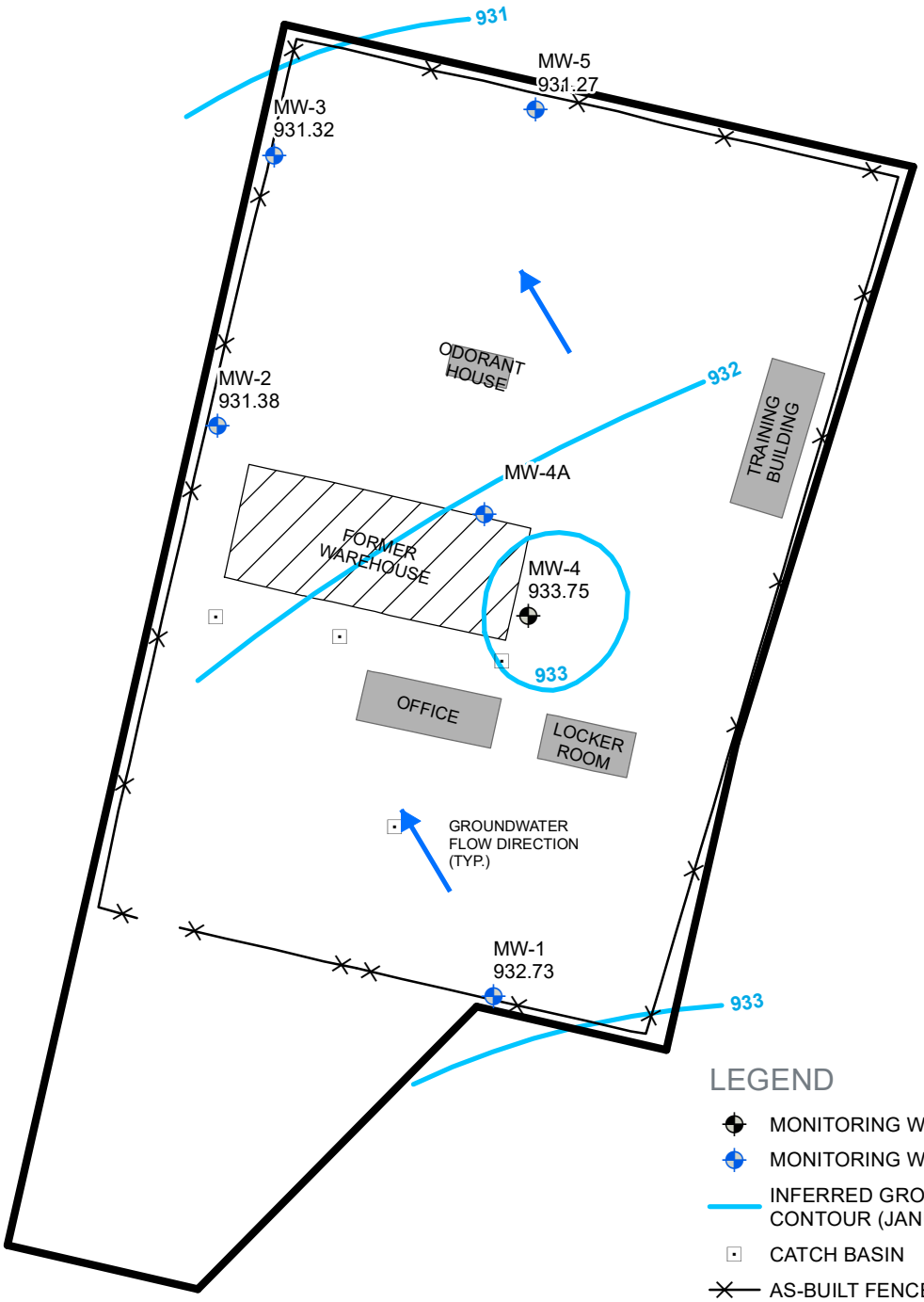
ROCHESTER GAS AND ELECTRIC CORPORATION
PAVILION FORMER MGP SITE
6903 ELICOTT STREET ROAD
PAVILION, NEW YORK

SITE PLAN AND INSTITUTIONAL CONTROL BOUNDARIES

JUNE 2020

NEU-VELLE LLC

FIGURE 3



LEGEND

- MONITORING WELL (ABANDONED)
- MONITORING WELL
- INFERRED GROUNDWATER CONTOUR (JANUARY 2016)
- CATCH BASIN
- AS-BUILT FENCELINE
- APPROXIMATE RG&E PROPERTY BOUNDARY - ENVIRONMENTAL EASEMENT LIMITS
- EXISTING BUILDING
- DEMOLISHED BUILDING

NOTE:
1) ALL WELL LOCATIONS ARE APPROXIMATE.
2) GROUNDWATER ELEVATIONS AND CONTOURS AS REPORTED ON FIGURE 3 OF THE RWP, JUNE 2018 (PARSONS).

ROCHESTER GAS AND ELECTRIC CORPORATION
PAVILION FORMER MGP SITE
6903 ELICOTT STREET ROAD
PAVILION, NEW YORK

GROUNDWATER CONTOUR MAP
JANUARY 2016

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Feet

JUNE 2020

NEU-VELLE LLC

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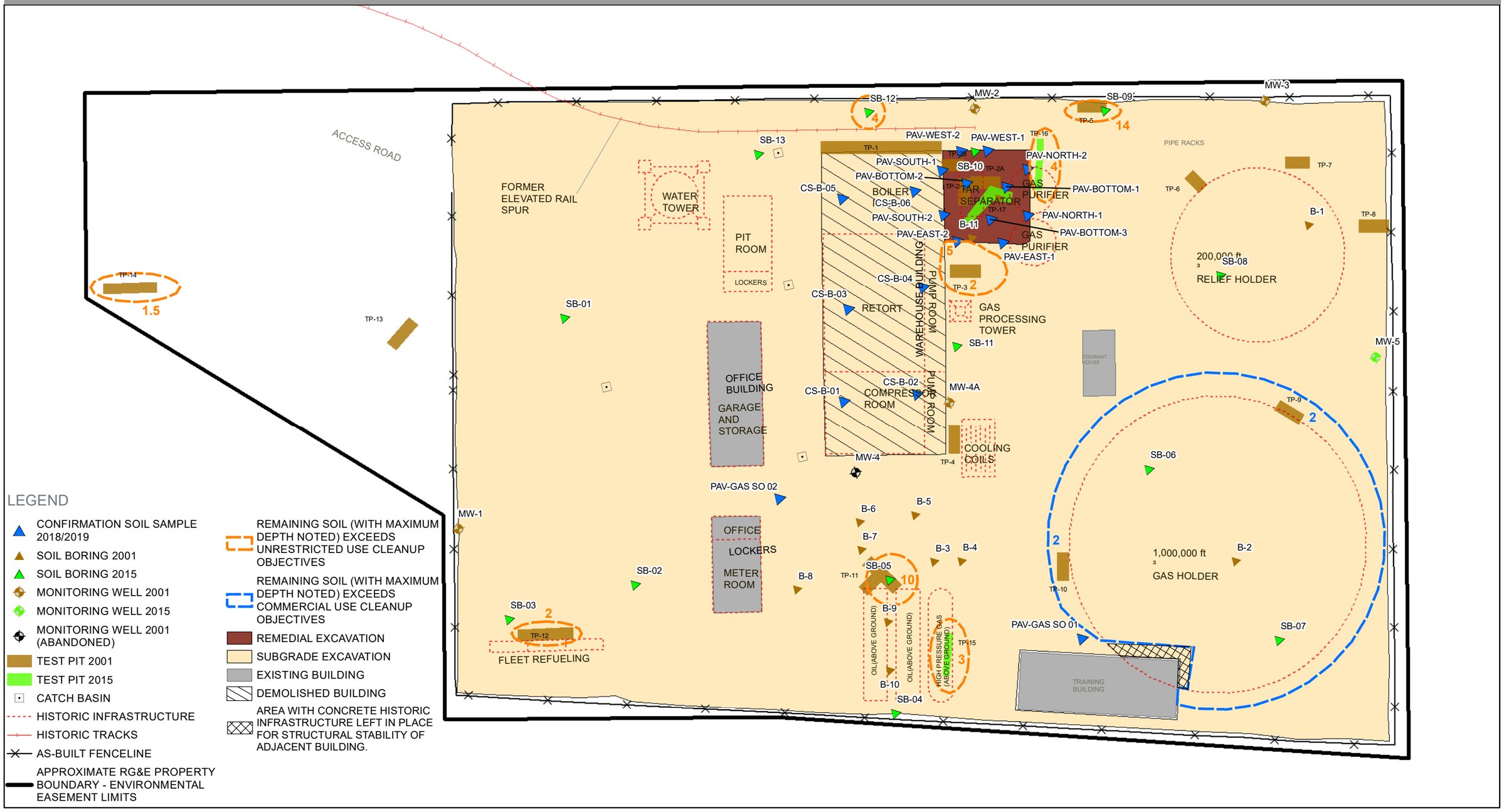

LEGEND

- CONFIRMATION SOIL SAMPLE 2018/2019
- SOIL BORING 2001
- SOIL BORING 2015
- MONITORING WELL 2001
- MONITORING WELL 2015
- MONITORING WELL 2001 (ABANDONED)
- TEST PIT 2001
- TEST PIT 2015
- CATCH BASIN
- HISTORIC INFRASTRUCTURE
- HISTORIC TRACKS
- AS-BUILT FENCELINE
- APPROXIMATE RG&E PROPERTY BOUNDARY - ENVIRONMENTAL EASEMENT LIMITS
- REMAINING SOIL (WITH MAXIMUM DEPTH NOTED) EXCEEDS UNRESTRICTED USE CLEANUP OBJECTIVES
- REMAINING SOIL (WITH MAXIMUM DEPTH NOTED) EXCEEDS COMMERCIAL USE CLEANUP OBJECTIVES
- REMEDIAL EXCAVATION
- SUBGRADE EXCAVATION
- EXISTING BUILDING
- DEMOLISHED BUILDING
- AREA WITH CONCRETE HISTORIC INFRASTRUCTURE LEFT IN PLACE FOR STRUCTURAL STABILITY OF ADJACENT BUILDING.

NOTE: HISTORIC SAMPLE LOCATIONS AND FEATURES PROVIDED BY PARSONS ENGINEERING, BASED ON REMEDIAL WORK PLAN FIGURE 2 (2018).

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ROCHESTER GAS AND ELECTRIC CORPORATION
PAVILION FORMER MGP SITE
6903 ELICOTT STREET ROAD
PAVILION, NEW YORK

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REMAINING SUBSURFACE SOIL IMPACTS AND LIMITS OF EXCAVATION

JUNE 2020

NEU-VELLE LLC

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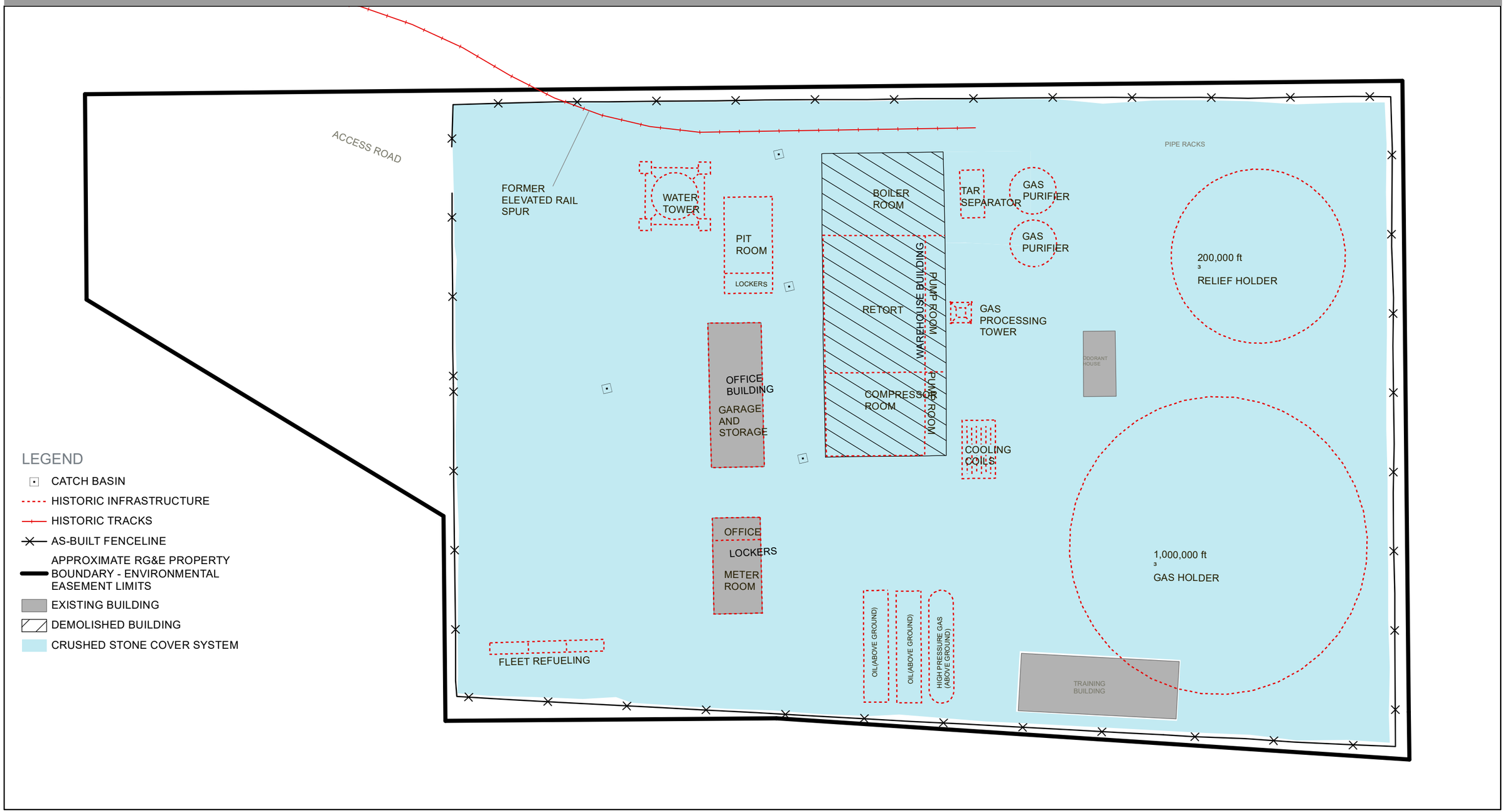

NOTE: HISTORIC SAMPLE LOCATIONS AND FEATURES PROVIDED BY PARSONS ENGINEERING, BASED ON REMEDIAL WORK PLAN FIGURE 2 (2018).

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ROCHESTER GAS AND ELECTRIC CORPORATION
PAVILION FORMER MGP SITE
6903 ELICOTT STREET ROAD
PAVILION, NEW YORK

EXTENT OF SITE COVER SYSTEM

JUNE 2020

NEU-VELLE LLC

Appendices

APPENDIX A – ENVIRONMENTAL EASEMENT

BARCLAY DAMON LLP

Danielle E. Mettler-LaFeir
Partner

April 1, 2024

CERTIFIED MAIL, RETURN RECEIPT REQUESTED

James Thater,
Supervisor, Town of Pavilion
One Woodrow Drive
Pavilion NY 14525

Re: Environmental Easement

Dear Supervisor Thater:

Attached please find a copy of an environmental easement granted to the New York State Department of Environmental Conservation ("Department")

On March 6, 2024,
by Rochester Gas and Electric Corporation,
for property at 6903 Ellicott Street Road, Pavilion, New York,
Tax Map No. 16.-1-112,
DEC Site No: 819024.

This Environmental Easement restricts future use of the above-referenced property to commercial uses. Any on-site activity must be done in accordance with the Environmental Easement and the Site Management Plan which is incorporated into the Environmental Easement. Department approval is also required prior to any groundwater use.

Article 71, Section 71-3607 of the New York State Environmental Conservation Law requires that:

> 1. Whenever the department is granted an environmental easement, it shall provide each affected local government with a copy of such easement and shall also provide a copy of any documents modifying or terminating such environmental easement.
>
> 2. Whenever an affected local government receives an application for a building permit or any other application affecting land use or development of land that is subject to an environmental easement and that may relate to or impact such easement, the affected local government shall notify the department and refer such application to the department. The department shall evaluate whether the

2000 Five Star Bank Plaza - 100 Chestnut Street - Rochester, New York 14604 barclaydamon.com
DMettler@barclaydamon.com Direct: (585) 295-4358 Fax: (585) 295-8470

> application is consistent with the environmental easement and shall notify the affected local government of its determination in a timely fashion, considering the time frame for the local government's review of the application. The affected local government shall not approve the application until it receives approval from the department.

An electronic version of every environmental easement that has been accepted by the Department is available to the public at: http://www.dec.ny.gov/chemical/36045.html. Please forward this notice to your building and/or planning departments, as applicable, to ensure your compliance with these provisions of New York State Environmental Conservation Law. If you have any questions or comments regarding this matter, please do not hesitate to contact me.

Very truly yours,

Danielle Mettler-LaFeir

Danielle E. Mettler-LaFeir
Barclay Damon LLP

Enclosure

GENESEE COUNTY – STATE OF NEW YORK
MICHAEL T. CIANFRINI, COUNTY CLERK
15 MAIN STREET, BATAVIA, NEW YORK 14020

COUNTY CLERK'S RECORDING PAGE
THIS PAGE IS PART OF THE DOCUMENT – DO NOT DETACH

INSTRUMENT #: DE2024-394

Receipt#: 5193
Clerk: NYGEFEE
Rec Date: 03/21/2024 10:13:59 AM
Doc Grp: D
Descrip: AGMT REC'D IN DEEDS
Num Pgs: 11
Rec'd Frm: STEWART TITLE INSURANCE (KATHY)/HS

Party1: ROCHESTER GAS AND ELECTRIC CORPORATION
Party2: COMMISSIONER OF THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Town: PAVILION
16.-1-112

Recording:

Cover Page	5.00
Recording Fee	70.00
Cultural Ed	14.25
Records Management - Coun	1.00
Records Management - Stat	4.75
TP584	5.00
Sub Total:	100.00
Transfer Tax	
Transfer Tax - State	0.00
Sub Total:	0.00
Total:	100.00

**** NOTICE: THIS IS NOT A BILL ****

***** Transfer Tax *****
Transfer Tax #: 1146
Transfer Tax Consideration: 0.00

Total: 0.00

WARNING*
*** Information may be amended during the verification process, and may not be reflected on this cover page.

THIS PAGE CONSTITUTES THE CLERK'S ENDORSEMENT, REQUIRED BY SECTION 316-a (5) & 319 OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK.

Michael T. Cianfrini
Genesee County Clerk

Record and Return To:

BARCLAY DAMON LLP
BARCLAY DAMON TOWER
125 E JEFFERSON ST
SYRACUSE NY 13202-9801

p

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 6th day of March, 2024, between Owner, Rochester Gas and Electric Corporation, having an office at 180 South Clinton Avenue, Rochester, New York 14604 (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 6903 Ellicott Street Road in the Town of Pavilion, County of Genesee and State of New York, known and designated on the tax map of the County Clerk of Genesee as tax map parcel number: Section 16 Block 1 Lot 112, being the same as that property conveyed to Grantor by the following:

1. Deed dated December 7, 1926 and recorded on December 20, 1926 in the Genesee County Clerk's Office at Liber 256, Pager 198;

2. Deed dated May 12, 1988 and recorded on May 12, 1988 in the Genesee County Clerk's Office at Liber 548, Page 103; and

3. Deed dated May 13, 1991 and recorded on August 27, 1991 in the Genesee County Clerk's Office at Liber 599, Pager 341.

The property subject to this Environmental Easement (the "Controlled Property")

comprises approximately 2.98 +/- acres, and is hereinafter more fully described in the Land Title Survey dated December 20, 2019, last revised on April 29, 2020 prepared by David J. Uhrinec (License No. 050052) of C.T Male Associates, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Order on Consent Index No.Number: CO 8-20180517-48, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as described in 6NYCRR Part 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property

shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: 819024
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC

625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Rochester Gas and Electric Corporation:

By: Steven Mullin

Print Name: Steven Mullin

Title: Director Env. Remediation Date: 2/20/2024

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF Monroe)

On the 20th day of February in the year 2024 before me, the undersigned, personally appeared Steven Mullin, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Elizabeth Anne Collins
Notary Public - State of New York

ELIZABETH ANNE COLLINS
Notary Public - State of New York
NO. 01CO0016549
Qualified in Monroe County
My Commission Expires Nov 17, 2027

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Andrew O. Guglielmi, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 6th day of March, in the year 2024 before me, the undersigned, personally appeared Andrew O. Guglielmi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

Cheryl A. Salem
Notary Public State of New York
Registration No. 01SA0002177
Qualified in Albany County
My Commission Expires March 3, 2027

SCHEDULE "A" PROPERTY DESCRIPTION

LEGAL DESCRIPTION (AS MEASURED)
ROCHESTER GAS and ELECTRIC CORPORATION
#6903 ELLICOTT STREET ROAD, PAVILION, NEW YORK
TAX MAP PARCEL 16.-1-112

All that certain tract, piece or parcel of land, situate in the Town of Pavilion, County of Genesee, State of New York, being a part of Lot 10 Section 2 of the Craigie Tract and more particularly bounded and described as follows:

BEGINNING at the point of intersection with the division line between the lands now or formerly of Rochester Gas and Electric Corporation as described in Liber 256 of Deeds at Page 198 on the north with the lands now or formerly of Carolina Eastern-Crocker, LLC as described in Instrument Number DE-2017-382 on the south and west;

Thence North 12 deg. 46 min. 43 sec. East, along said division line and along the division line between the said lands of Rochester Gas and Electric Corporation on the east and the lands now or formerly of Rochester & Southern Railroad, Inc. as described in Liber 516 at Page 1, in part on the west, 554.23 feet to its intersection with the division line between the said lands of Rochester Gas and Electric Corporation and other lands of Rochester Gas and Electric Corporation as described in Liber 599 of Deeds at Page 341 on the south and the lands now or formerly of Jeffres Farms, LLC as described in Liber 904 of Deeds at Page 693 on the north;

Thence South 77 deg. 13 min. 17 sec. East, along said division line, 285.40 feet to its intersection with the division line between the said lands of Jeffres Farms, LLC on the east and the last said lands of Rochester Gas and Electric Corporation on the west;

Thence South 17 deg. 04 min. 43 sec. West, along said division line, 266.75 feet to its intersection with the division line between the said lands of Jeffres Farms, LLC on the east and other lands of Rochester Gas and Electric Corporation as described in Liber 548 of Deeds at Page 103 on the west;

Thence South 12 deg. 51 min. 38 sec. West, along said division line, 139.27 feet to its intersection with the division line between the last said lands of Rochester Gas and Electric Corporation on the north and the said lands of Carolina Eastern-Crocker, LLC on the south;

Thence North 77 deg. 08 min. 22 sec. West, along said division line, 86.19 feet to its intersection with the first said lands of Rochester Gas and Electric Corporation generally on the north and the said lands of Carolina Eastern-Crocker, LLC generally on the south;

Thence along said division lines the following two (2) courses and distances:

1) South 44 deg. 36 min. 41 sec. West, 175.62 feet to a point; and

2) North 77 deg. 08 min. 21 sec. West, 86.38 feet to the point or place of beginning.

Containing 2.98 acres of land more or less.

The bearings in the foregoing description are referenced to the Central Zone of the New York State Plane Coordinate System NAD 83.

Intending to describe a New York State Department of Environmental Conservation Environmental Easement over the remaining portion of the lands conveyed to Rochester Gas and Electric Corporation by warranty deed dated December 7, 1926 and filed December 20, 1926 in the Genesee County Clerk's Office in Liber 256 of Deeds at Page 198, and the entirety of lands conveyed to Rochester Gas and Electric Corporation by Quit Claim Deed dated and filed May 12, 1988 in the Genesee County Clerk's Office in Liber 548 of Deeds at Page 103, and the entirety of lands conveyed to Rochester Gas and Electric Corporation by Warranty Deed dated August 13, 1991 and filed August 27, 1991 in the Genesee County Clerk's Office in Liber 599 of Deeds at Page 341.

Record & Return to: Barclay Damon LLP
Barclay Damon Tower
125 East Jefferson Street
Syracuse NY 13202

ENVIRONMENTAL EASEMENT
CHECKLIST/CERTIFICATION
SITE No. 819024

The following requirements and attachments must be included as part of the submission to the Department for an Environmental Easement. Upon completion of the review, an attorney must sign the checklist indicating that they have fully completed the checklist. The Department will not accept submissions which have not been signed as being accurate and complete by both the Remedial Party and Attorney. Where the property owner is not the Remedial Party, the Department also requires the Owner to sign the checklist.

1) Special Circumstances

The last owner search was completed and the deed transfer is by Quit Claim or other restricted transfer deed ☑ Yes ☐ No *See attached Abstract of Title and cover letter*

The property in the Brownfield Cleanup Agreement includes lands under water ☐ Yes ☑ No

The property has multiple owners ☐ Yes ☑ No

If you answered "Yes" to any of these items, contact the Department's Environmental Easement contact person for a determination as to whether further title work is necessary.

2) Verification of ownership of the property

- ☑ Submit documentation (such as a corporate resolution) that the signatory on the easement has authority to sign the Easement
- ☑ Ownership of the property matches the current deed.
- ☑ Verification reviewed and included for authority to sign Easement.
- ☑ Updated copies of legal organizational documents have been reviewed and are included. Examples of the appropriate documentation will include, for:
  - corporations: articles of incorporation, organizational agreements, minutes of annual meetings, resolutions, authorities for signature;
  - partnerships: a copy of the partnership agreement; verification that necessary parties are participating in the Easement;
  - trusts: trust agreement, affidavit of no change in the trust; and
  - estates: estate letters, powers of attorney.

3) Verification of Property Subject to Easement

- ☑ Description of the property for the Easement and DEC Agreement/Order/SAC matches description of property in the deed (Separate submittal must be included to explain to the satisfaction of the Department why there is any discrepancy).
- ☑ The Tax Map identifier (SBL) matches on all documents.

4) Survey Review

- ☑ Survey includes metes and bounds description.
- ☑ Survey includes a graphic scale.
- ☑ Survey includes Tax Map Section, Block and Lot.
- ☑ Survey includes physical address and is consistent with the DEC Agreement/Order/SAC.
- ☑ The survey must bear the name, address, telephone number, signature and certification of the professional land surveyor who performed the survey, his or her official seal and registration number, the date the survey was completed, the dates of all of the surveyor's revisions.
- ☑ The survey boundaries must be drawn to a convenient scale, with that scale clearly indicated. A graphic scale, shown in feet and meters, must be included.
- ☑ The symbols and abbreviations that are used on the survey must be identified by the use of a legend.
- ☑ Diagrams must be accurately presented.
- ☑ The point of beginning of the legal description must be shown.
- ☑ The legal description must be correct.
- ☑ The legal description must state the acreage.
- ☑ If the deed(s) description differs from the measured bearings/angles/distances, both must be indicated on the survey.
- ☑ The survey must show the location of all buildings/monuments/overlaps/encroachments upon the surveyed property with their locations defined by measurement perpendicular to the nearest perimeter boundaries.
- ☑ The survey must depict the location of visible improvements within five feet of each side of boundary lines.
- ☑ The survey must show ponds, lakes, springs, rivers or a natural water boundary bordering on or running through the surveyed property; the survey must measure the location of the natural water boundary and note on the survey the date of the measurement.
- ☑ The survey must correctly depict the environmental easement area with corresponding metes & bounds description and acreage, and include the following sentence: "*This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement are set forth in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with an interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov".* This reference must be located on the face of the survey and be in at least 15-point type.
- ☑ If the survey consists of more than one sheet, sheets must be numbered and the total number of sheets must be indicated on each sheet.

☑ In addition to county-specific requirements, submittal of the approved survey to the Department must include the following:

- A "D" sized copy (24" x 36") of the final signed, stamped map
- A 600 DPI scan of the final signed, stamped map
- An Autocad .dwg or exported .dxf file of the polyline (at a minimum) of the final survey

5) Submissions

☑ The Environmental Easement Package being submitted to the Department includes the applicable documents set forth in Attachment A.

PLEASE READ THE FOLLOWING CAREFULLY

The Remedial Party and the Remedial Party's attorney understand and acknowledge that the New York State Department of Environmental Conservation will rely on each and every answer in this statement: (1) to determine whether the Easement Package can be reviewed in a timely fashion; and (2) to determine whether the Easement Package should be approved. The Remedial Party and the Remedial Party's attorney understand and acknowledge that any false statement or misrepresentation herein will constitute cause for the revocation of the Certificate of Completion issued in reliance on this checklist and accompanying documentation. The Remedial Party and the Remedial Party's attorney further acknowledge that the failure to provide the Department with valid and enforceable Environmental Easement on the property may be grounds for the Department to revoke any Certificate of Completion for the site.

Statement of Certification and Signatures

Ih ave reviewed the information being submitted in relation to this Easement Package and this information, to the best ofm y knowledge and belief,i s accurate and correct.I further acknowledge thatt he failure to provide the Departmentw ith valid and enforceable Environmental Easement on the property may be grounds for the Departmentt o revoke any Certificate ofC ompletion for the site.

1) By Remedial Party:
I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I further acknowledge that the failure to provide the Department with valid and enforceable Environmental Easement on the property may be grounds for the Department to revoke any Certificate of Completion for the site.

Date: 5/5/20 Signature: Jeremy Wolf RG&E

Print Name: Jeremy Wolf

2) By Remedial Party's Attorney:
Ih ereby affirm that Ia m the attorney for Rochester Gas and Electric Corporation (entity); that Ia m authorized by that entity to make this certification;t hatt his certification was prepared by me or under my supervision and direction; and thati nformation provided on this form and its attachments ist rue and complete to the besto fm y knowledge and belief.

Date: 8-7-20 Signature: Danielle E Mettler-LaFeir

Print Name: Danielle E Mettler-LaFeir

Attachment

Attachment A

Documents required to be sent in hard copy with electronic formats copied to the Project Manager and Project Attorney for a complete Environmental Easement package:

1) Copy(ies) of current deed(s) and supporting title documentation (see Department Title Requirements).

2) Copy of tax map.

3) Proof of authority to obligate owner of property as set forth in "Verification of ownership of property" on the Easement checklist.

4) Legal description of the easement area, electronic copy to be in an electronic text format (i.e., MS Word or Rich Text Format).

5) One full-sized, signed Survey and an electronic Survey submitted as a fully rendered PDF (not scanned).

6) A draft Notice to Municipality, with appropriate site-specific provisions.

7) Easement Checklist with certification signed by Remedial Party and Remedial Party's attorney.

8) Signed transfer tax forms (TP-584 or ACRIS Forms).

Hard copy submission shall be sent to:

Bradford Burns, Esq.
New York State Department of Environmental Conservation
Office of General Counsel
625 Broadway
Albany, NY 12233-1500

TP-584 (9/19)

Department of Taxation and Finance

Combined Real Estate Transfer Tax Return, Credit Line Mortgage Certificate, and Certification of Exemption from the Payment of Estimated Personal Income Tax

Recording office time stamp

See Form TP-584-I, Instructions for Form TP-584, *before completing this form. Print or type.*

Schedule A – Information relating to conveyance

Grantor/Transferor

☐ Individual
☒ Corporation
☐ Partnership
☐ Estate/Trust
☐ Single member LLC
☐ Multi-member LLC
☐ Other

Name *(if individual, last, first, middle initial)* (☐ *mark an* ***X*** *if more than one grantor)*: Rochester Gas and Electric Corporation

Social Security number (SSN):

Mailing address: 89 East Avenue

SSN:

City	State	ZIP code	Employer Identification Number (EIN)
Rochester	NY	14649	16-0612110

Single member's name if grantor is a single member LLC *(see instructions)*:

Single member EIN or SSN:

Grantee/Transferee

☐ Individual
☐ Corporation
☐ Partnership
☐ Estate/Trust
☐ Single member LLC
☐ Multi-member LLC
☒ Other

Name *(if individual, last, first, middle initial)* (☐ *mark an* ***X*** *if more than one grantee)*: New York State Department of Environmental Conservation

SSN:

Mailing address: 625 Broadway

SSN:

City	State	ZIP code	EIN
Albany	NY	12233	14-60113200

Single member's name if grantee is a single member LLC *(see instructions)*:

Single member EIN or SSN:

Location and description of property conveyed

Tax map designation – Section, block & lot *(include dots and dashes)*	SWIS code (six digits)	Street address	City, town, or village	County
16.-1-112	18400	6903 Ellicott Street Road	Pavilion	Genesee

Type of property conveyed *(mark an* ***X*** *in applicable box)*

1 ☐ One- to three-family house
2 ☐ Residential cooperative
3 ☐ Residential condominium
4 ☐ Vacant land
5 ☐ Commercial/industrial
6 ☐ Apartment building
7 ☐ Office building
8 ☐ Four-family dwelling
9 ☒ Other _____

Date of conveyance: ____ (month) ____ (day) ____ (year)

Percentage of real property conveyed which is residential real property _____% *(see instructions)*

Condition of conveyance *(mark an* ***X*** *in all that apply)*

a. ☐ Conveyance of fee interest
b. ☐ Acquisition of a controlling interest (state percentage acquired _____ %)
c. ☐ Transfer of a controlling interest (state percentage transferred _____ %)
d. ☐ Conveyance to cooperative housing corporation
e. ☐ Conveyance pursuant to or in lieu of foreclosure or enforcement of security interest *(attach Form TP-584.1, Schedule E)*
f. ☐ Conveyance which consists of a mere change of identity or form of ownership or organization *(attach Form TP-584.1, Schedule F)*
g. ☐ Conveyance for which credit for tax previously paid will be claimed *(attach Form TP-584.1, Schedule G)*
h. ☐ Conveyance of cooperative apartment(s)
i. ☐ Syndication
j. ☐ Conveyance of air rights or development rights
k. ☐ Contract assignment
l. ☐ Option assignment or surrender
m. ☐ Leasehold assignment or surrender
n. ☐ Leasehold grant
o. ☒ Conveyance of an easement
p. ☐ Conveyance for which exemption from transfer tax claimed *(complete Schedule B, Part 3)*
q. ☐ Conveyance of property partly within and partly outside the state
r. ☐ Conveyance pursuant to divorce or separation
s. ☐ Other *(describe)* _____

For recording officer's use	Amount received	Date received	Transaction number
	Schedule B, Part 1 $ _____ Schedule B, Part 2 $		

Schedule B – Real estate transfer tax return (Tax Law Article 31)

Part 1 – Computation of tax due

1	Enter amount of consideration for the conveyance *(if you are claiming a total exemption from tax, mark an **X** in the Exemption claimed box, enter consideration and proceed to Part 3)* ☒ **Exemption claimed**	**1.**	0
2	Continuing lien deduction *(see instructions if property is taken subject to mortgage or lien)*	**2.**	
3	Taxable consideration *(subtract line 2 from line 1)*	**3.**	
4	Tax: $2 for each $500, or fractional part thereof, of consideration on line 3	**4.**	
5	Amount of credit claimed for tax previously paid *(see instructions and attach Form TP-584.1, Schedule G)*	**5.**	
6	Total tax due* *(subtract line 5 from line 4)*	**6.**	

Part 2 – Computation of additional tax due on the conveyance of residential real property for $1 million or more

1	Enter amount of consideration for conveyance *(from Part 1, line 1)*	**1.**	
2	Taxable consideration *(multiply line 1 by the percentage of the premises which is residential real property, as shown in Schedule A)*	**2.**	
3	Total additional transfer tax due* *(multiply line 2 by 1% (.01))*	**3.**	

Part 3 – Explanation of exemption claimed on Part 1, line 1 *(mark an **X** in all boxes that apply)*

The conveyance of real property is exempt from the real estate transfer tax for the following reason:

a. Conveyance is to the United Nations, the United States of America, New York State, or any of their instrumentalities, agencies, or political subdivisions (or any public corporation, including a public corporation created pursuant to agreement or compact with another state or Canada) ..... a ☒

b. Conveyance is to secure a debt or other obligation ..... b ☐

c. Conveyance is without additional consideration to confirm, correct, modify, or supplement a prior conveyance ..... c ☐

d. Conveyance of real property is without consideration and not in connection with a sale, including conveyances conveying realty as bona fide gifts ..... d ☐

e. Conveyance is given in connection with a tax sale ..... e ☐

f. Conveyance is a mere change of identity or form of ownership or organization where there is no change in beneficial ownership. (This exemption cannot be claimed for a conveyance to a cooperative housing corporation of real property comprising the cooperative dwelling or dwellings.) Attach Form TP-584.1, Schedule F ..... f ☐

g. Conveyance consists of deed of partition ..... g ☐

h. Conveyance is given pursuant to the federal Bankruptcy Act ..... h ☐

i. Conveyance consists of the execution of a contract to sell real property, without the use or occupancy of such property, or the granting of an option to purchase real property, without the use or occupancy of such property ..... i ☐

j. Conveyance of an option or contract to purchase real property with the use or occupancy of such property where the consideration is less than $200,000 and such property was used solely by the grantor as the grantor's personal residence and consists of a one-, two-, or three-family house, an individual residential condominium unit, or the sale of stock in a cooperative housing corporation in connection with the grant or transfer of a proprietary leasehold covering an individual residential cooperative apartment ..... j ☐

k. Conveyance is not a conveyance within the meaning of Tax Law, Article 31, § 1401(e) *(attach documents supporting such claim)* ..... k ☐

* The total tax (from Part 1, line 6 and Part 2, line 3 above) is due within 15 days from the date of conveyance. Make check(s) payable to the county clerk where the recording is to take place. For conveyances of real property within New York City, use Form TP-584-NYC. If a recording is not required, send this return and your check(s) made payable to the ***NYS Department of Taxation and Finance***, directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-0045. If not using U.S. Mail, see Publication 55, *Designated Private Delivery Services*.

Schedule C – Credit Line Mortgage Certificate (Tax Law Article 11)

Complete the following only if the interest being transferred is a fee simple interest.
This is to certify that: *(mark an X in the appropriate box)*

1. ☐ The real property being sold or transferred is not subject to an outstanding credit line mortgage.

2. ☐ The real property being sold or transferred is subject to an outstanding credit line mortgage. However, an exemption from the tax is claimed for the following reason:

   a ☐ The transfer of real property is a transfer of a fee simple interest to a person or persons who held a fee simple interest in the real property (whether as a joint tenant, a tenant in common or otherwise) immediately before the transfer.

   b ☐ The transfer of real property is (A) to a person or persons related by blood, marriage or adoption to the original obligor or to one or more of the original obligors or (B) to a person or entity where 50% or more of the beneficial interest in such real property after the transfer is held by the transferor or such related person or persons (as in the case of a transfer to a trustee for the benefit of a minor or the transfer to a trust for the benefit of the transferor).

   c ☐ The transfer of real property is a transfer to a trustee in bankruptcy, a receiver, assignee, or other officer of a court.

   d ☐ The maximum principal amount secured by the credit line mortgage is $3 million or more, and the real property being sold or transferred is **not** principally improved nor will it be improved by a one- to six-family owner-occupied residence or dwelling.

   Note: for purposes of determining whether the maximum principal amount secured is $3 million or more as described above, the amounts secured by two or more credit line mortgages may be aggregated under certain circumstances. See TSB-M-96(6)-R for more information regarding these aggregation requirements.

   e ☐ Other *(attach detailed explanation)*.

3. ☐ The real property being transferred is presently subject to an outstanding credit line mortgage. However, no tax is due for the following reason:

   a ☐ A certificate of discharge of the credit line mortgage is being offered at the time of recording the deed.

   b ☐ A check has been drawn payable for transmission to the credit line mortgagee or mortgagee's agent for the balance due, and a satisfaction of such mortgage will be recorded as soon as it is available.

4. ☐ The real property being transferred is subject to an outstanding credit line mortgage recorded in ____________ (insert liber and page or reel or other identification of the mortgage). The maximum principal amount of debt or obligation secured by the mortgage is ____________. No exemption from tax is claimed and the tax of ____________ is being paid herewith. *(Make check payable to county clerk where deed will be recorded.)*

Signature (both the grantors and grantees must sign)

The undersigned certify that the above information contained in Schedules A, B, and C, including any return, certification, schedule, or attachment, is to the best of their knowledge, true and complete, and authorize the person(s) submitting such form on their behalf to receive a copy for purposes of recording the deed or other instrument effecting the conveyance.

Grantor signature	Title	Grantee signature	Title
[signature]	Manager		

Reminder: Did you complete all of the required information in Schedules A, B, and C? Are you required to complete Schedule D? If you marked *e*, *f*, or *g* in Schedule A, did you complete Form TP-584.1? Have you attached your check(s) made payable to the county clerk where recording will take place? If no recording is required, send this return and your check(s), made payable to the ***NYS Department of Taxation and Finance***, directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-0045. If not using U.S. Mail, see Publication 55, *Designated Private Delivery Services*.

Schedule D – Certification of exemption from the payment of estimated personal income tax (Tax Law, Article 22, § 663)

Complete the following only if a fee simple interest or a cooperative unit is being transferred by an individual or estate or trust.

If the property is being conveyed by a referee pursuant to a foreclosure proceeding, proceed to Part 2, mark an *X* in the second box under *Exemption for nonresident transferors/sellers*, and sign at bottom.

Part 1 – New York State residents

If you are a New York State resident transferor/seller listed in Form TP-584, Schedule A (or an attachment to Form TP-584), you must sign the certification below. If one or more transferor/seller of the real property or cooperative unit is a resident of New York State, **each** resident transferor/seller must sign in the space provided. If more space is needed, photocopy this Schedule D and submit as many schedules as necessary to accommodate all resident transferors/sellers.

Certification of resident transferors/sellers

This is to certify that at the time of the sale or transfer of the real property or cooperative unit, the transferor/seller as signed below was a resident of New York State, and therefore is not required to pay estimated personal income tax under Tax Law § 663(a) upon the sale or transfer of this real property or cooperative unit.

Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date

Note: A resident of New York State may still be required to pay estimated tax under Tax Law § 685(c), but not as a condition of recording a deed.

Part 2 – Nonresidents of New York State

If you are a nonresident of New York State listed as a transferor/seller in Form TP-584, Schedule A (or an attachment to Form TP-584) but are not required to pay estimated personal income tax because one of the exemptions below applies under Tax Law § 663(c), mark an ***X*** in the box of the appropriate exemption below. If any one of the exemptions below applies to the transferor/seller, that transferor/seller is not required to pay estimated personal income tax to New York State under Tax Law § 663. **Each** nonresident transferor/seller who qualifies under one of the exemptions below must sign in the space provided. If more space is needed, photocopy this Schedule D and submit as many schedules as necessary to accommodate all nonresident transferors/sellers.

If none of these exemption statements apply, you must complete Form IT-2663, *Nonresident Real Property Estimated Income Tax Payment Form*, or Form IT-2664, *Nonresident Cooperative Unit Estimated Income Tax Payment Form.* For more information, see *Payment of estimated personal income tax,* on Form TP-584-I, page 1.

Exemption for nonresident transferors/sellers

This is to certify that at the time of the sale or transfer of the real property or cooperative unit, the transferor/seller (grantor) of this real property or cooperative unit was a nonresident of New York State, but is not required to pay estimated personal income tax under Tax Law § 663 due to one of the following exemptions:

☐ The real property or cooperative unit being sold or transferred qualifies in total as the transferor's/seller's principal residence (within the meaning of Internal Revenue Code, section 121) from _____ (Date) to _____ (Date) *(see instructions)*.

☐ The transferor/seller is a mortgagor conveying the mortgaged property to a mortgagee in foreclosure, or in lieu of foreclosure with no additional consideration.

☐ The transferor or transferee is an agency or authority of the United States of America, an agency or authority of New York State, the Federal National Mortgage Association, the Federal Home Loan Mortgage Corporation, the Government National Mortgage Association, or a private mortgage insurance company.

Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date

VICINITY MAP NOT TO SCALE

LEGEND

UV	UNKNOWN VALVE
MW	MONITOR WELL
CO	CLEAN OUT
UMH	UNKNOWN MANHOLE
WV	WATER VALVE
HYD	HYDRANT
BOL	BOLLARD
	UTILITY POLE
ABAND	UTILITY POLE ABANDONED
	UTILITY POLE W/LIGHT
EMTR	ELECTRIC METER
LP	LIGHT POLE
GMTR	GAS METER
GV	GAS VALVE
CB	CATCH BASIN
IPF	IRON PIPE FOUND
IRF	IRON ROD FOUND
RR MON	RAILROAD MONUMENT FOUND
SS	UNDERGROUND SANITARY SEWER LINE
UT	UNDERGROUND TELEPHONE LINE
ST	UNDERGROUND STORM DRAIN
UU	UNKNOWN UNDERGROUND UTILITY LINE
W	UNDERGROUND WATER LINE
OHW	OVERHEAD WIRES
	CHAIN LINK FENCE
G	UNDERGROUND GAS LINE
UE	UNDERGROUND ELECTRIC LINE

MAP NOTES

1. NORTH ORIENTATION IS BASED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83.
2. PLANIMETRIC FEATURES SHOWN HEREON ARE FROM A FIELD SURVEY CONDUCTED DURING THE MONTH OF SEPTEMBER, 2019.
3. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED BY FIELD SURVEY, PREVIOUS MAPS AND RECORDS, (AND PAROL TESTIMONY). THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION.
4. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY C. T. MALE ASSOCIATES, D.P.C., TO DETERMINE OWNERSHIP OR EASEMENTS OF RECORD. FOR ALL INFORMATION REGARDING EASEMENTS, RIGHTS OF WAY, AND TITLE REFERENCE IS MADE TO ABSTRACT OF TITLE PREPARED BY STEWART TITLE INSURANCE COMPANY ABSTRACT ORDER NUMBER 8180801 DATED DECEMBER 9, 2019. THIS SURVEY IS SUBJECT TO ALL EASEMENTS, COVENANTS, AND RESTRICTIONS AS RECITED THEREIN AND IS FURTHER SUBJECT TO ANY FINDINGS OR TRANSACTION REVEALED OR CONDUCTED FROM THE DATE OF SAID CONTINUATION TO THE PRESENT.
5. SURVEYED PARCEL IS TOGETHER WITH 16.5' PIPE LINE LEASE DESCRIBED IN LIBER 271 OF DEEDS AT PAGE 458. LEASE AREA IS GENERALLY DESCRIBED, UNPLOTTABLE, AND THEREFORE NOT PLOTTED HEREON.
6. SURVEYED PARCEL IS NOT SUBJECT TO ELECTRIC EASEMENT DESCRIBED IN LIBER 274 OF DEEDS AT PAGE 446. DRAWING NO. 13627 REFERRED TO IN DEED IS FILED IN MAP BOOK 8 PAGE 393 AND SHOWS POLE LINE NORTH OF SUBJECT PREMISES.
7. SURVEY PARCELS B AND C MAY BE SUBJECT TO OIL AND GAS AGREEMENT DESCRIBED IN LIBER 352 OF DEEDS AT PAGE 214. SEE AFFIDAVIT LIBER 90 OF MISCELLANEOUS RECORDS PAGE 643.
8. SURVEY PARCELS B AND C MAY BE SUBJECT TO OIL AND GAS AGREEMENT DESCRIBED IN LIBER 426 OF DEEDS AT PAGE 209. SEE AFFIDAVIT LIBER 90 OF MISCELLANEOUS RECORDS PAGE 643.

BAR SCALE
30 0 15 30 60
1 inch = 30 ft.

BAR SCALE
10m 0 5m 10m 30m
1:300

"ONLY COPIES OF THIS MAP SIGNED IN RED INK AND EMBOSSED WITH THE SEAL OF AN OFFICER OF C.T. MALE ASSOCIATES OR A DESIGNATED REPRESENTATIVE SHALL BE CONSIDERED TO BE A VALID TRUE COPY".

SURVEY CERTIFICATION

I CERTIFY TO THE FOLLOWING THAT THIS SURVEY WAS PREPARED FROM AN ACTUAL FIELD SURVEY AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND HAS BEEN PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE OF THE N.Y.S. ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

THE UNDERSIGNED HEREBY CERTIFIES TO:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

David J. Uhrinec PLS 50052 — April 29, 2020 Date

LEGAL DESCRIPTION (AS MEASURED)
ENVIRONMENTAL EASEMENT PARCEL UPON
TOWN OF PAVILION TAX MAP PARCEL 16.-1-112
LANDS OF ROCHESTER GAS and ELECTRIC CORPORATION
KNOWN AS #6903 ELLICOTT STREET ROAD

All that certain tract, piece or parcel of land, situate in the Town of Pavilion, County of Genesee, State of New York, being a part of Lot 10 Section 2 of the Craigie Tract and more particularly bounded and described as follows:

BEGINNING at the point of intersection with the division line between the lands now or formerly of Rochester Gas and Electric Corporation as described in Liber 256 of Deeds at Page 198 on the north with the lands now or formerly of Carolina Eastern-Crocker, LLC as described in Instrument Number DE-2017-382 on the south and west;

Thence North 12 deg. 46 min. 43 sec. East, along said division line and along the division line between the said lands of Rochester Gas and Electric Corporation on the east and the lands now or formerly of Rochester and Southern Railroad, Inc. as described in Liber 516 at Page 1, in part on the west, 554.23 feet to its intersection with the division line between the said lands of Rochester Gas and Electric Corporation and other lands of Rochester Gas and Electric Corporation as described in Liber 599 of Deeds at Page 341 on the south and the lands now or formerly of Jeffres Farms, LLC as described in Liber 904 of Deeds at Page 693 on the north;

Thence South 77 deg. 13 min. 17 sec. East, along said division line, 285.40 feet to its intersection with the division line between the said lands of Jeffres Farms, LLC on the east and the last said lands of Rochester Gas and Electric Corporation on the west;

Thence South 17 deg. 04 min. 43 sec. West, along said division line, 266.75 feet to its intersection with the division line between the said lands of Jeffres Farms, LLC on the east and other lands of Rochester Gas and Electric Corporation as described in Liber 548 of Deeds at Page 103 on the west;

Thence South 12 deg. 51 min. 38 sec. West, along said division line, 139.27 feet to its intersection with the division line between the last said lands of Rochester Gas and Electric Corporation on the north and the said lands of Carolina Eastern-Crocker, LLC on the south;

Thence North 77 deg. 08 min. 22 sec. West, along said division line, 86.19 feet to its intersection with the first said lands of Rochester Gas and Electric Corporation generally on the north and the said lands of Carolina Eastern-Crocker, LLC generally on the south;

Thence along said division lines the following two (2) courses and distances:

1) South 44 deg. 36 min. 41 sec. West, 175.62 feet to a point; and
2) North 77 deg. 08 min. 21 sec. West, 86.38 feet to the point or place of beginning.

Containing 2.98 acres of land more or less.

The bearings in the foregoing description are referenced to the Central Zone of the New York State Plane Coordinate System NAD 83.

Intending to describe a New York State Department of Environmental Conservation Environmental Easement over the remaining portion of the lands conveyed to Rochester Gas and Electric Corporation by warranty deed dated December 7, 1926 and filed December 20, 1926 in the Genesee County Clerk's Office in Liber 256 of Deeds at Page 198, and the entirety of lands conveyed to Rochester Gas and Electric Corporation by Quit Claim Deed dated and filed May 12, 1988 in the Genesee County Clerk's Office in Liber 548 of Deeds at Page 103, and the entirety of lands conveyed to Rochester Gas and Electric Corporation by Warranty Deed dated August 13, 1991 and filed August 27, 1991 in the Genesee County Clerk's Office in Liber 599 of Deeds at Page 341.

LEGAL DESCRIPTION (DEEDS L. 256 P. 198, L. 548 P. 103, L. 599 P. 341)
ENVIRONMENTAL EASEMENT PARCEL UPON
TOWN OF PAVILION TAX MAP PARCEL 16.-1-112
LANDS OF ROCHESTER GAS and ELECTRIC CORPORATION
KNOWN AS #6903 ELLICOTT STREET ROAD

Parcel A:

All That Tract, Piece or Parcel of Land, situate in the Town of Pavilion, County of Genesee and State of New York, distinguished as being part of Lot No. 10, in the Second Section of the Craigie Tract, bounded and described as follows:

Beginning at a marker erected by the Buffalo, Rochester & Pittsburgh Railway Company, in the eastern boundary of their right of way, said marker being distant 444 feet northerly from the point of intersection of the prolongation of said eastern boundary line of said right of way with the center line of the highway known as the Batavia Road; thence north along said boundary line 693 feet, 6 inches to a post; thence east at right angles 265 4/10 feet to a post; thence south at right angles 266 feet to a marker at a northern boundary of Buffalo, Rochester & Pittsburgh Railway Company right of way; thence in a southwesterly direction 503 1/0 feet along said right of way last mentioned to the place of beginning, containing 2 92/100 acres of land.

Parcel B:

All That Tract or Parcel of Land, situate in Lot 10, Section 3 of the Craigie Tract in the Hamlet and Town of Pavilion, County of Genesee and State of New York, bounded and described as follows: Commencing at a point on the northeasterly right of way line of New York State Route 63 in the Town of Pavilion, said point being a distance of 49.5 feet from the centerline of said Route No. 63, and said point also being the most westerly corner of the land conveyed by the Buffalo, Rochester and Pittsburgh Railway Company to J. D. Buckley & Son, Inc., by deed dated September 2, 1986 and recorded in the Genesee County Clerk's Office in Liber 518 of Deeds at page 334; thence southeasterly along said northeasterly right of way line of State Route 63 a distance of 37.02 feet to a point; thence northerly and parallel to the westerly boundary of said Buckley parcel, at an interior angle of 58° 18' 00" with the last described course, a distance of 414.5 feet to a point; thence northeasterly at an interior angle of 31° 45' 03" with a northerly extension of the last described course, and along a boundary of said Buckley parcel, a distance of 503.18 feet to the true point of beginning, said point being the most northerly point of said Buckley parcel; thence southerly at an interior angle to 31° 45' 03" with the last described course, a distance of 139.27 feet to a point; thence westerly at an interior angle of 90° 00' 00" with the last described course, a distance of 86.19 feet to a point; thence northeasterly at an interior angle of 58° 14' 57" with the last described course, a distance of 163.78 feet to the true point of beginning, containing within said bounds .138 acres of land, and designated as Parcel No. 1 on a map prepared by Thomas M. Sheehan, NYSPLS, 49236 dated November 10, 1986.

Parcel C: All That Tract or Parcel of Land situate in Lot 10, Section 2 of the Craigie Tract, Hamlet and Town of Pavilion.

Commencing at a point that is the intersection of the center line of NY State Rte. 63 with the east right of way line of the former B & O. Railroad; running thence;

North along the former east right of way line of the aforementioned railroad 472.68' to a concrete monument; running thence in a northeasterly direction on a deflection angle of 31° 45' 03" right, from the last described heading 503.18' to a concrete monument on the east boundary line of RG&E Corporation's property No. 1252, said point being the point and place of beginning for this description; running thence in a northerly direction on a **line forming an exterior angle of 148° 14' 57" with the last described line, 265.62' to a point that is the northeast corner of a RG&E Corporation's property No. 1252; thence, easterly on a line forming an interior angle of 90° 00' 00" with the last described line 20.00' to a point; thence southerly on a line forming an interior angle of 85° 41' 39" with the last described line 266.38' to a concrete monument that is the point and place of beginning for this description, intending to describe a parcel of land containing 2656 square feet or 0.061 acres. The above described parcel is referenced to a map titled, Map Showing A Parcel of Land to be Conveyed by James & Deborah Starr to RG&E Corporation drawing No. 10989-23-2 by Thomas H. Sheehan NYSPLS dated June 19, 1991.**

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement are set forth in more detail in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with an interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov".

DAVID J. UHRINEC, PLS
P.L.S. NO. 050052

STATE OF NEW YORK · DAVID JOSEPH UHRINEC · 050052 · LICENSED LAND SURVEYOR

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
03/02/20	1	Revisions per RG&E Legal Department	dju	dju	dju
04/29/20	2	Revisions per RG&E Legal Department	dju	dju	dju
	3				
	4				
	5				
	6				
	7				
	8				
	9				

APPROVED: dju
DRAFTED : dju
CHECKED : dju
PROJ. NO : 19.9000
SCALE : 1"=30'
DATE : 12/20/19

MAP OF PROPOSED ENVIRONMENTAL EASEMENT
ROCHESTER GAS AND ELECTRIC CORPORATION
FORMER PAVILION MGP FACILITY
KNOWN AS #6903 ELLICOTT STREET ROAD, PAVILION, NEW YORK

TOWN OF PAVILION — GENESEE COUNTY, NEW YORK

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.
50 CENTURY HILL DRIVE, LATHAM, NY 518.786.7400
COBLESKILL, NY • GLENS FALLS, NY • HIGHLAND, NY • JOHNSTOWN, NY
LITTLE FALLS, NY • RED HOOK, NY • SYRACUSE, NY
www.ctmale.com

SHEET 1 OF 1
DWG. NO: 19-0738

CAD DWG. FILE NAME: C:\Users\DJU\Desktop\19.9000 Pavilion\2019 Environmental Easment\CTM Pavilion Environmental Easement 4-29-20.dwg

CAD DWG. FILE NAME: CTM Pavilion Environmental Easement 4-29-20.dwg

APPENDIX B – LIST OF SITE CONTACTS

Name	Phone/Email Address
Site Owner/Remedial Party: Rochester Gas and Electric Jeremy Wolf – Remediation Project Manager	585-450-7957 (mobile) jeremy_wolf@avangrid.com
Regulatory Agency: NYSDEC DER Project Manager Justin Starr – Project Manager	518-402-9662 Justin.Starr@dec.ny.gov
NYSDEC Site Control Section 625 Broadway, Albany, NY 12233	derweb@dec.ny.gov
NYSDOH Project Manager Anthony C. Perretta	518-402-7860 anthony.peretta@health.ny.gov
Remedial Party Attorney: Barclay Damon LLP Tom Walsh - Partner	585-295-4414 twalsh@barclaydamon.com

APPENDIX C

PSA AND RIR SOIL BORING AND TEST PIT LOGS

FIELD TEST PIT LOG

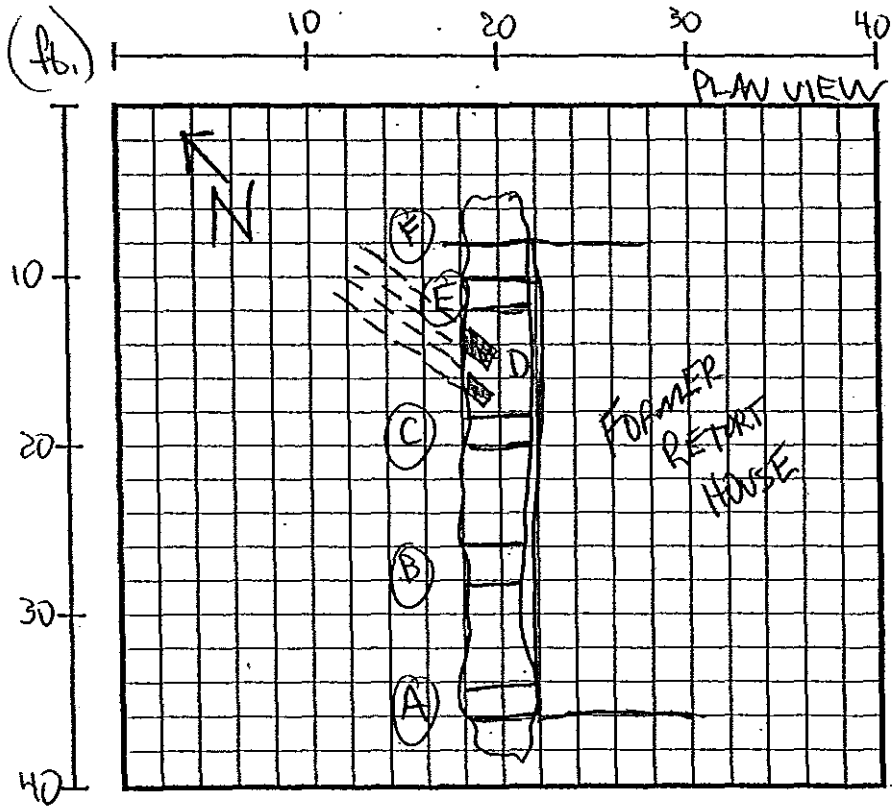
Test Pit No.	TP-1

Job No. 7250
Contractor SLC Environmental
GMX Insp. MAC
Weather sunny, ~70°
Location

Project RGE Pavilion
Operator Greg Jarrett
Elevation NA

Equipment Case 580 L
Started 6/26/01
Completed 6/26/01

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

- material consists of gravel, coal, fill, railroad ties, clinker
- concrete (reinforced) structures exist at A, B, C & E.
- fill material is moist at a depth of 3.5' bgs
- native soil reached 3.5' bgs
- sheen on soil at "B"
  - likely from timbers located at B.
- 2 steel pipes (8" Ø) located at CD. Pipes terminate in TP-1 & don't enter the retort house.

PID = 0 ppm

SAMPLES

NO.	DEPTH (bgs)	NOTES
		NO SAMPLES COLLECTED

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)

GEOMATRIX CONSULTANTS, INC.

FIELD TEST PIT LOG

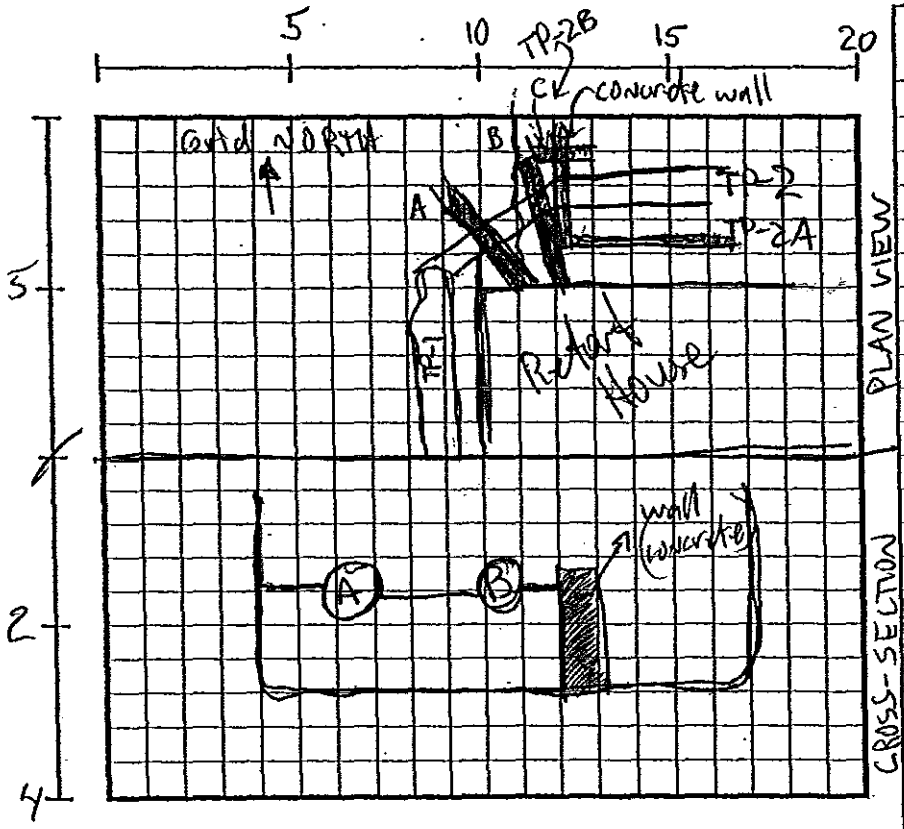
Test Pit No. TP-2 / 2A / 2B

Job No. 7250
Contractor SLC Environmental
GMX Insp. MAL
Weather Sunny, ~70°F
Location northwest / west of retort house.

Project R6&E Pavilion
Operator Greg Jarrett
Elevation NA

Equipment Case 580L
Started 6/26/01
Completed 6/26/01

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

- Material consists of gravel, coal (clinker), brick, wood.
- 8" Ø steel pipe exists at "A". Pipe is empty & corroded.
- 8" Ø steel pipe exists at "B", and "C" - tentative tank
- Fill material is clay
- excavation depth is 3'.
- Grid south edge of tank is concrete
- large (whole) brick & fill inside the tank.
- TP-2 & TP-2A begin to fill with water @ 2' bgs.
- NAPL blebs apparent in TP-2 but NOT TP-2A.

PID = 3ppm.

SAMPLES

NO.	DEPTH (bgs)	NOTES
TP-2	1.5'	- grab sample
TP-2B	1.5'	- grab sample

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)

FIELD TEST PIT LOG

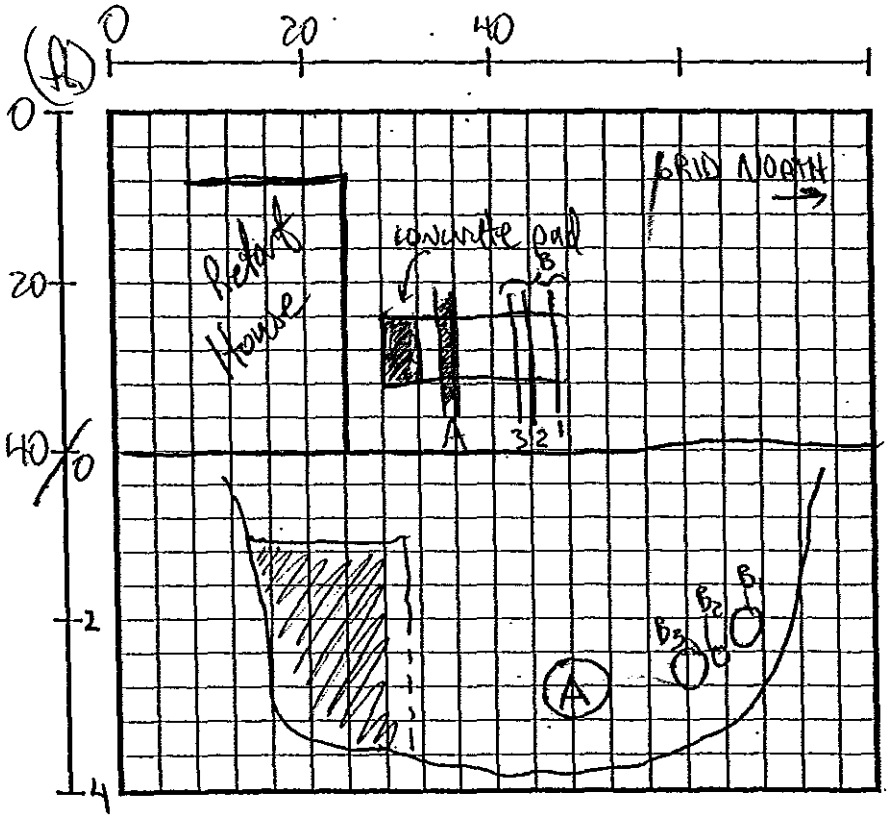
Test Pit No.	TP-3

Job No. 7250
Contractor SLC Environmental
GMX Insp. MAC
Weather Sunny, ~70°F
Location see sketch

Project R6&E Pavilion
Operator Corey Jaret
Elevation NAJ

Equipment Case 580L
Started 6/26/01
Completed 6/26/01

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

fill material consists of gravel, brick (clay) - water @ 3' bgs

10" ∅ Pipe exists at "A"

Pipes B_1 (2"∅), B_2 (2"∅)

B_3 (8"∅) exist at points on sketch.

- groundwater not encountered

PID = 0 ppm

SAMPLES

NO.	DEPTH (bgs)	NOTES
TP-3	1.5 - 2.0	Grab sample

EXCAVATION NOTES

WATER LEVELS

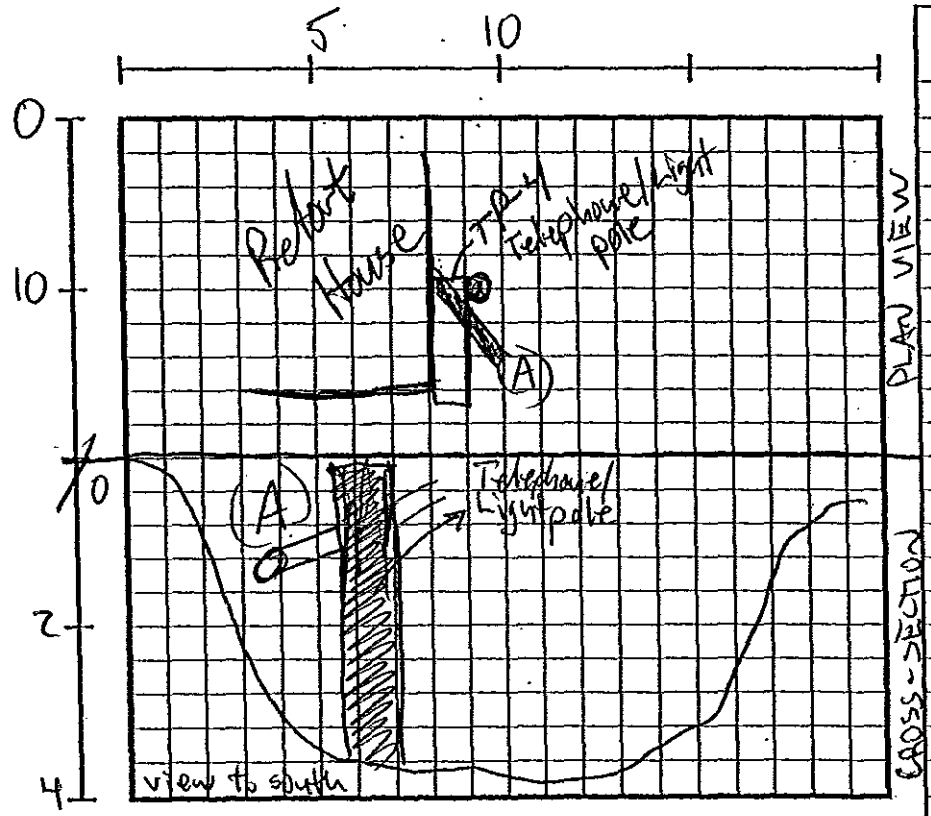
TIME	WATER DEPTH (bgs)

FIELD TEST PIT LOG

Test Pit No.	TP-4

Job No. 7250 Project R&E Pavilion
Contractor SLC Environmental Operator Greg Jarvis Equipment Case 580L
GMX Insp. MAC Elevation NAJ Started 6/26/01
Weather Sunny, ~70°F Completed 6/26/01
Location see sketch

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill material consists of asphalt cold-patch, clay, gravel

steel pipe (6"ø) exists at A

- groundwater not encountered. Fill material is damp to moist.

PID = 0 ppm

SAMPLES

NO.	DEPTH (bgs)	NOTES
—	—	NO SAMPLES COLLECTED

EXCAVATION NOTES

WATER LEVELS

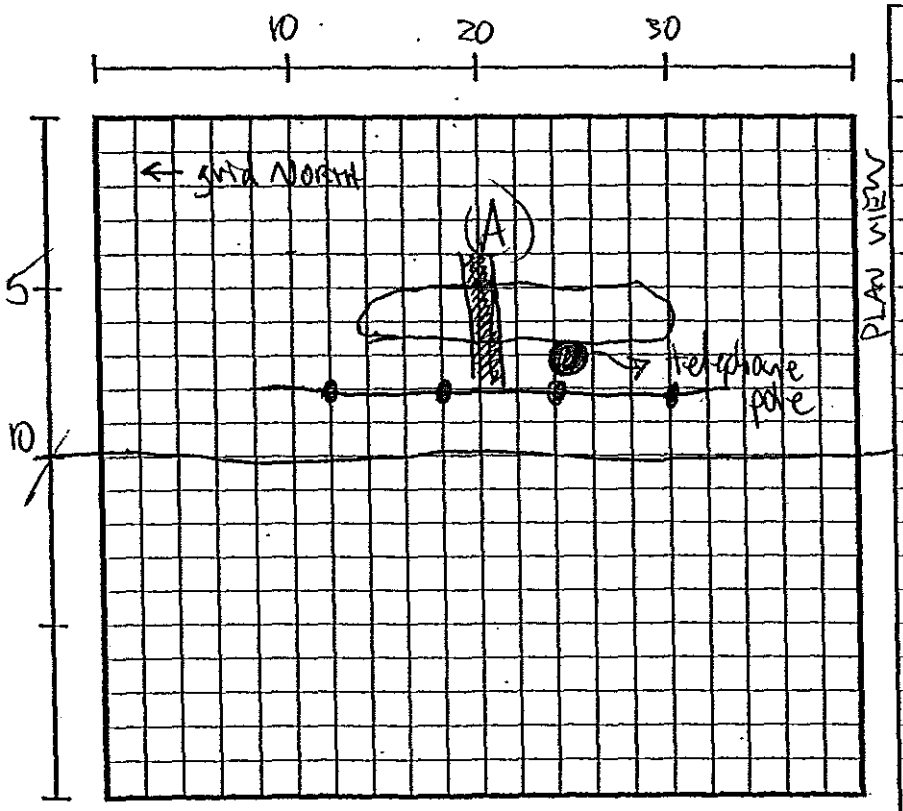
TIME	WATER DEPTH (bgs)

FIELD TEST PIT LOG

Test Pit No.	TP-5

Job No. 7250 Project R66 E Partition
Contractor SLC Environmental Operator Greg Sanek Equipment Case 550L
GMX Insp. MAe Elevation N/A Started 6/26/01
Weather sunny ~ 80° F Completed 6/26/01
Location see sketch

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill material consists of gravel, sand, brick wood, clinker

10" Ø Pipe Exists at "A".

- Fill also contains substantial quantities of decomposed wood chips. C black / reddish orange in color (moist)

bottom of excavation @ 3.0' bgs

- groundwater not encountered.

PID = 1-2 ppm above background

SAMPLES

NO.	DEPTH (bgs)	NOTES
TP-5	1.5-2.0'	- Grab sample of decomposed wood chips

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)

FIELD TEST PIT LOG

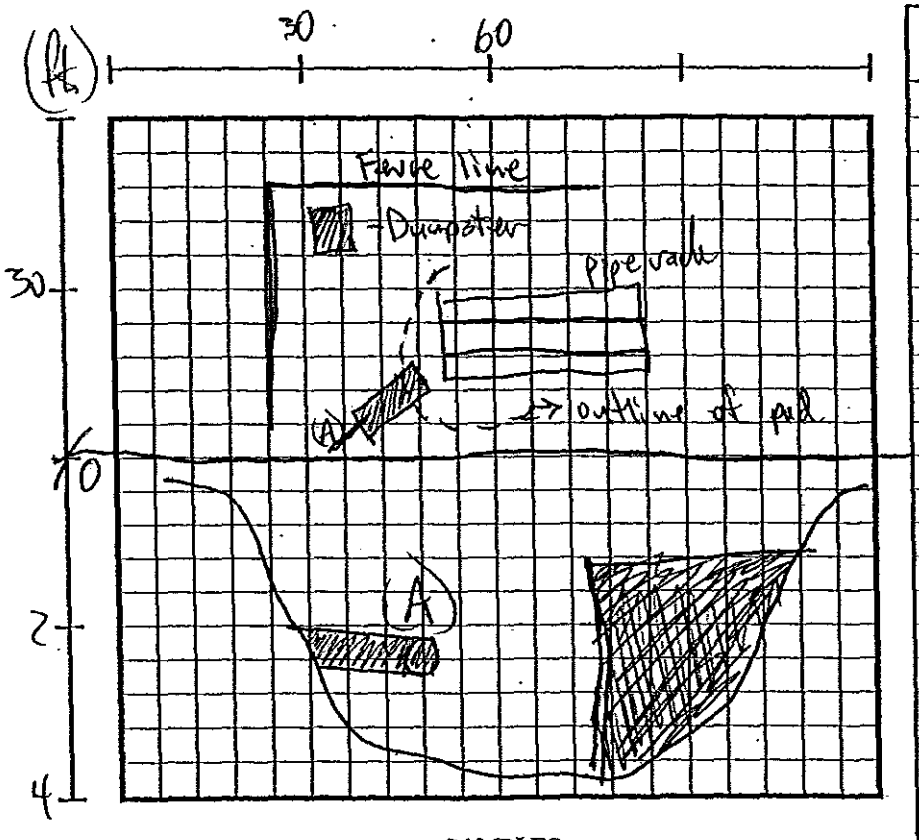
Test Pit No.	TP-6

Job No. 7250
Contractor SLC Environmental
GMX Insp. MAE
Weather sunny ~60°F
Location see sketch

Project R6&E Pavilion
Operator Greg Jarrett
Elevation NA

Equipment Case 350L
Started 6/26/01
Completed 6/26/01

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill material consists of gravel, clinker, refractory brick.

- concrete pad encountered @ 1.5' bgs thickness = 18"

6" Ø pipe exists at "A"

groundwater not encountered

PID = 0 ppm

SAMPLES

NO.	DEPTH (bgs)	NOTES
		NO SAMPLES COLLECTED

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)

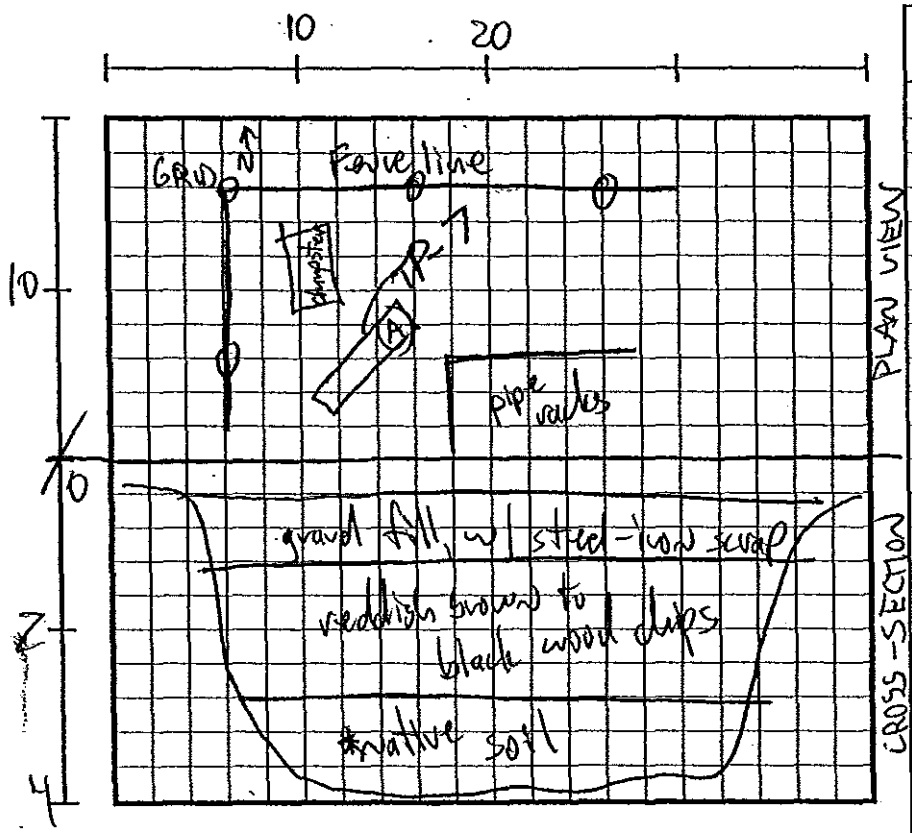
GEOMATRIX CONSULTANTS, INC.

FIELD TEST PIT LOG

Test Pit No.	TP-7

Job No. 7250 | Project R6 & E Pavilion
Contractor SLC Environmental | Operator Greg, James | Equipment Case 580L
GMX Insp. MAE | Elevation NA | Started 6/27/01
Weather Sunny, 60°F | Completed 6/27/01
Location Site sketch

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill material consists of gravel, brick, concrete, black decomposed wood chips (black/reddish brown)

- steel/iron scrap exists at N grid NE corner of T.P. (A)

* Native soil encountered at a depth of 3' bgs. damp to moist sand & silt with clay (0-5% gravel)

- groundwater not encountered.

PID = 0 ppm

SAMPLES

NO.	DEPTH (bgs)	NOTES
—	—	NO SAMPLES COLLECTED

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)

FIELD TEST PIT LOG

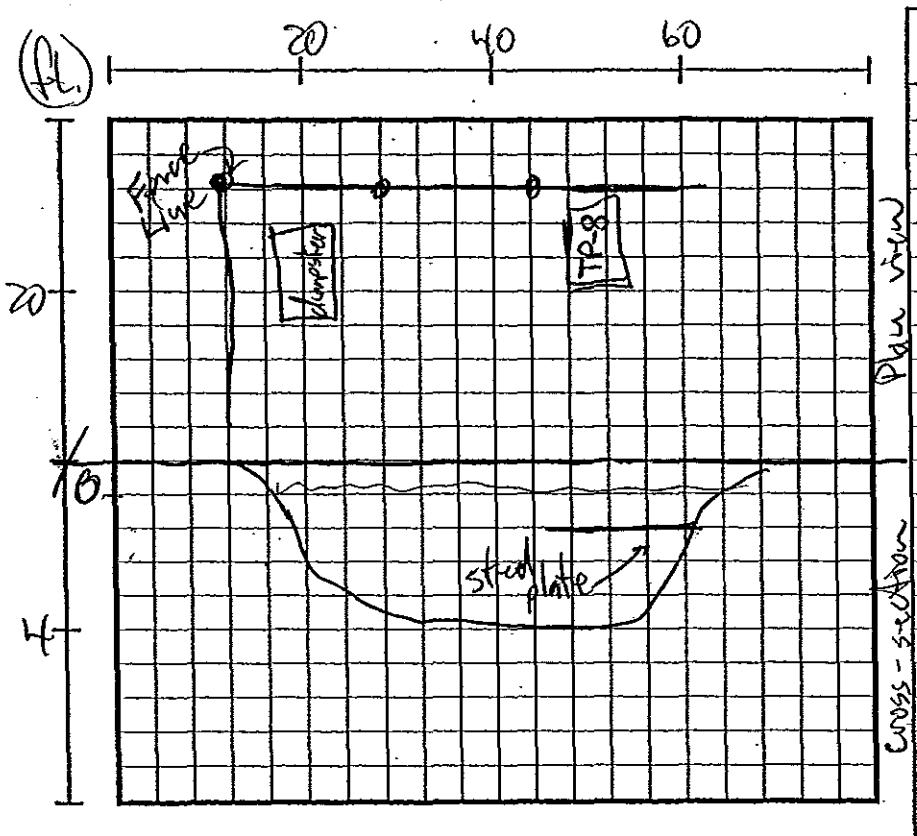
Test Pit No.	TP-8

Job No. 7250
Contractor SLC Environmental
GMX Insp. MAE
Weather Sunny, ~65°F
Location See sketch

Project R61E Pavilion
Operator Cody Jarrett
Elevation NA

Equipment Case 580L
Started 6/27/01
Completed 6/27/01

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill material consists of gravel, brick, concrete (dry)

- large steel plate encountered @ 1 fbgs

- groundwater not encountered.

PID = 0 ppm

SAMPLES

NO.	DEPTH (bgs)	NOTES
		NO SAMPLES COLLECTED

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)

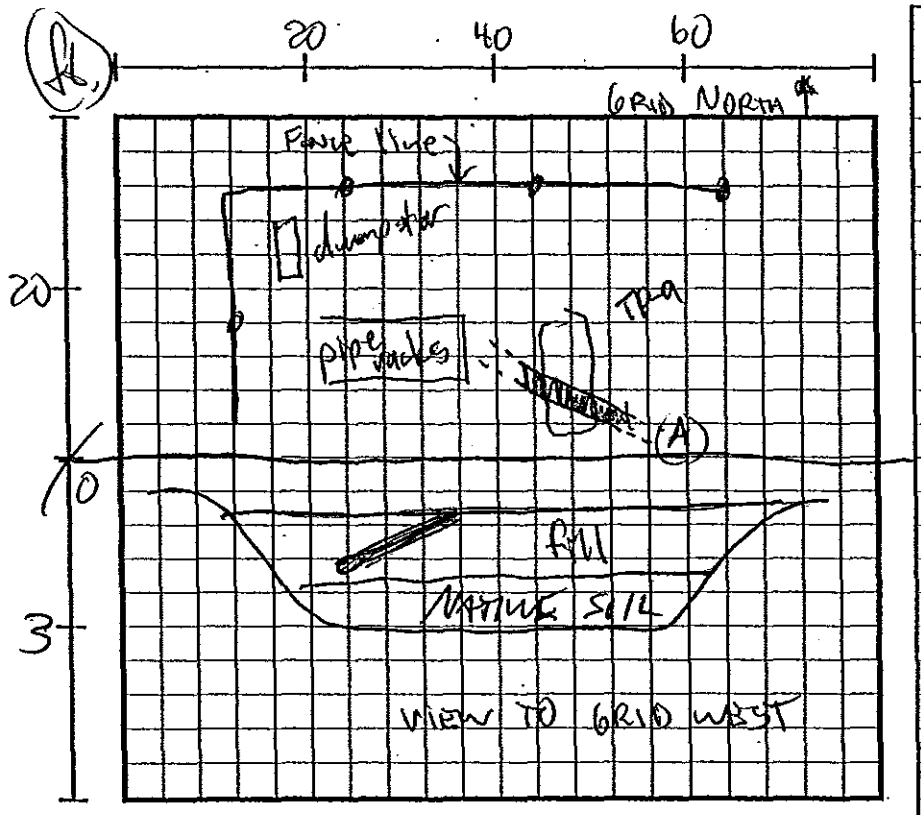
GEOMATRIX CONSULTANTS, INC.

FIELD TEST PIT LOG

Test Pit No.	TP-9

Job No. 7250 Project R&E Pavilion
Contractor SLC Environmental Operator Greg James Equipment Case 580L
GMX Insp. MAL Elevation NA Started 6/27/01
Weather sunny ~70°F Completed 6/27/01
Location See sketch

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill consists of gravel, brick & large cobble fill, to a depth of ~1' bgs (dry)

6" ϕ steel pipe exists at "A"

- native soil encountered at a depth of 2' bgs
- fs w/ silt & trace gravel (moist)
- groundwater not encountered

PID = 0 ppm

SAMPLES

NO.	DEPTH (bgs)	NOTES
TP-9	2.0 ft -	Grab sample

EXCAVATION NOTES

WATER LEVELS

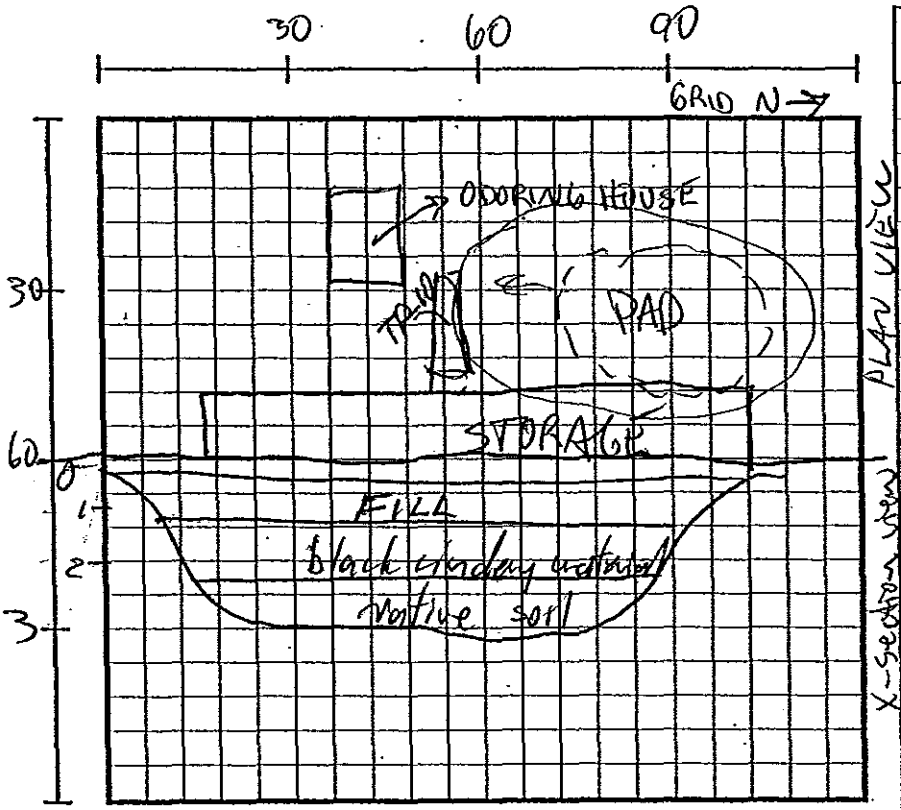
TIME	WATER DEPTH (bgs)

FIELD TEST PIT LOG

Test Pit No.	TP-10

Job No. 7250 Project R&D E Pavilion
Contractor SHC Environmental Operator G. Sanek Equipment Case 550L
GMX Insp. MAC Elevation NA- Started 6/27/01
Weather sunny ~70°F Completed 6/27/01
Location see sketch

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill material consists of gravel, brick, glass, black cindery ash-like material

- concrete pad encountered @ a depth of 1.5' bgs
- steel pipe (A), 3" ø
- black, cinder material is 1-1.5' in thickness
- groundwater not encountered -

PID = 0 ppm

SAMPLES

NO.	DEPTH (bgs)	NOTES
TP-10	1.5-2.0	Grab sample of black, cinder fill

EXCAVATION NOTES

WATER LEVELS

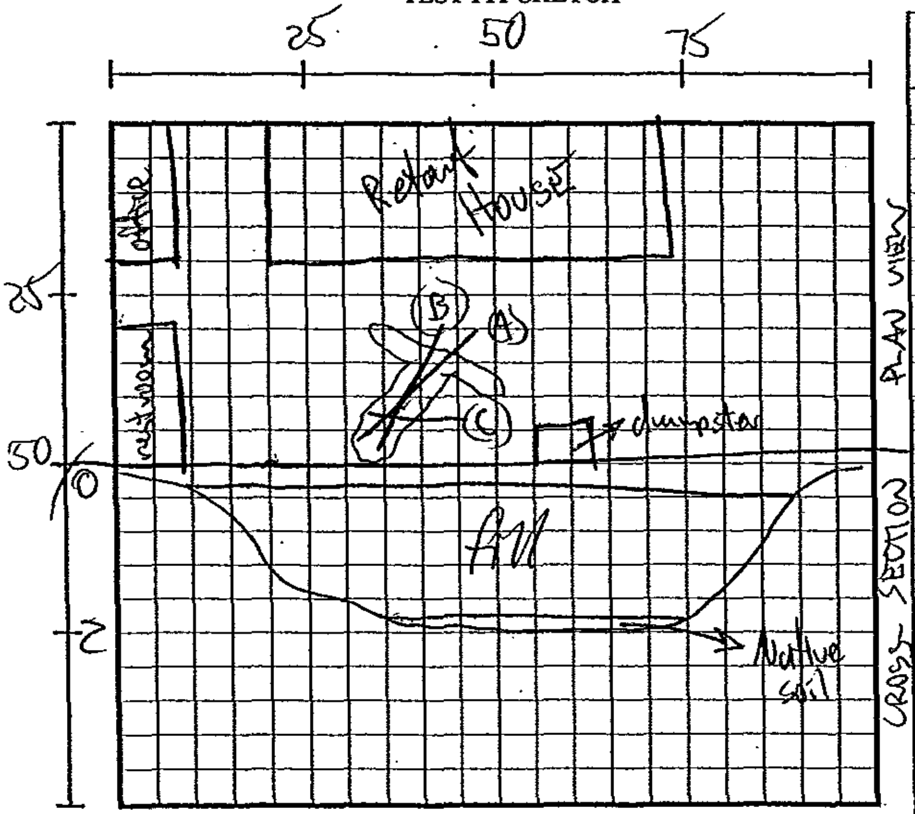
TIME	WATER DEPTH (bgs)

FIELD TEST PIT LOG

Test Pit No.	TP-11

Job No.	7250	Project	R&E Pavilion		
Contractor	SL Environmental	Operator	Corey Sanet	Equipment	Case 580L
GMX Insp.	MAE	Elevation	NA	Started	6/27/01
Weather	sunny ~70°F			Completed	6/27/01
Location	see sketch				

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill material consists of coarse gravel, black cindery fill, refractory brick

- 3" Ø pipe encountered at (A)
- petroleum odors present in test pit
- 3" Ø pipe exists at (B)
- native soil encountered @ ~2' bgs fine sand w/ silt, trace gravel, clay. (dry to damp)

(A) is cut off and has a hole corroded in its sides

(B) appears to be a replacement of (A)

- a small, 1" Ø pipe of unknown origin enters the pit from grid NW. (C)

PID = 16 ppm within trench

SAMPLES

NO.	DEPTH (bgs)	NOTES
TP-11	1.5-2.0	Grab sample

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)

GEOMATRIX CONSULTANTS, INC.

FIELD TEST PIT LOG

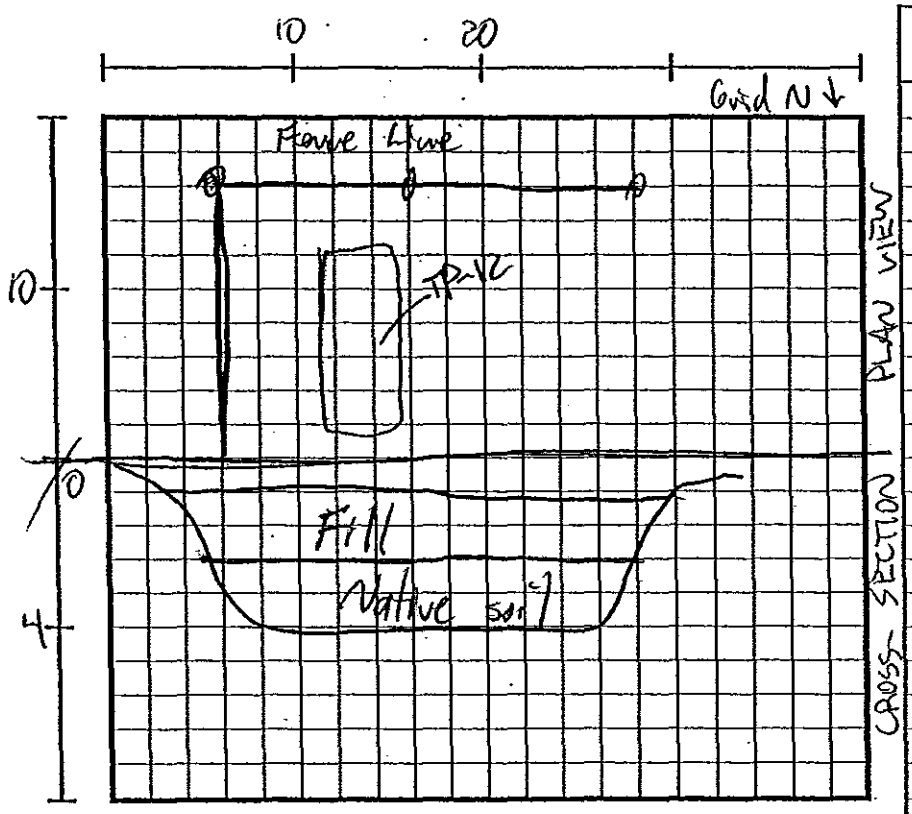
Test Pit No.	TP-12

Job No. 7250
Contractor SLC Environmental
GMX Insp. MAC
Weather Sunny, ~70°F
Location

Project R6/E Pavilion
Operator Gary Jandt
Elevation NA

Equipment Case 550L
Started 6/27/01
Completed 6/27/01

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill material consists of asphalt cold-patch, gravel, brick, sand, coal. (dry)

Native soil encountered at a depth of 2'bgs (silt w/ clay) becoming moist @ 3.5' to 4.0' bgs

groundwater not encountered

PID = 0 ppm

SAMPLES

NO.	DEPTH (bgs)	NOTES
TP-12	1.5-2.0	Grab sample

EXCAVATION NOTES

WATER LEVELS

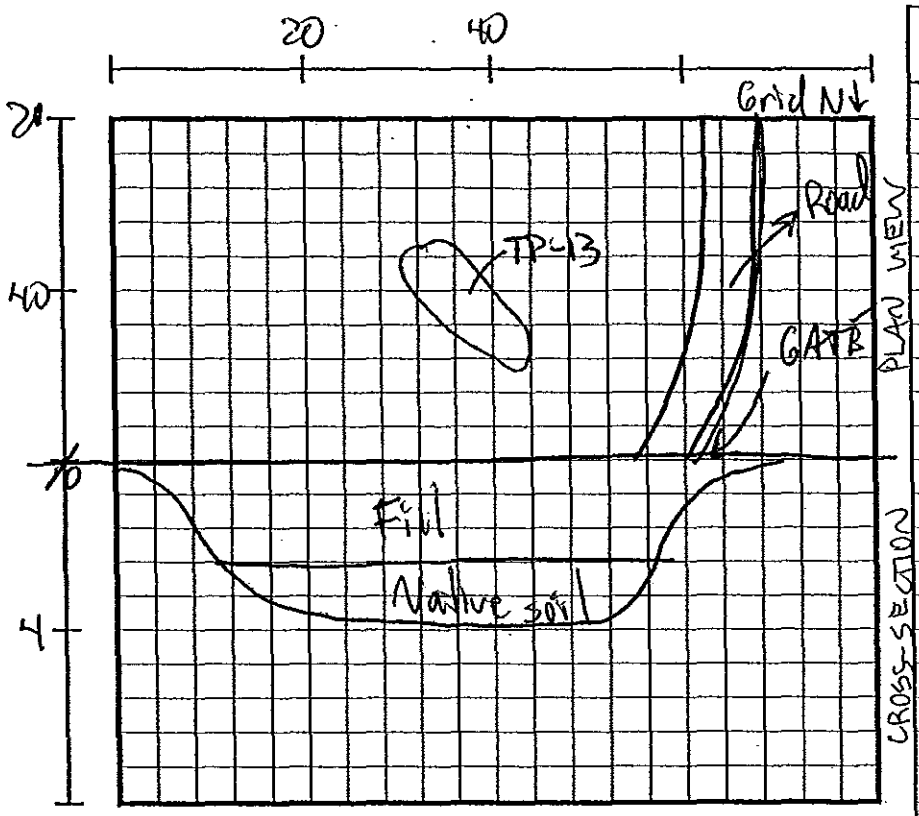
TIME	WATER DEPTH (bgs)

FIELD TEST PIT LOG

Test Pit No.	TP-13

Job No. 7250 | Project R&E Pavilion | Equipment Case 580L
Contractor SLC Environmental | Operator Craig Jurek | Started 6/27/01
GMX Insp. MAE | Elevation NA | Completed 6/27/01
Weather Sunny ~70°F
Location see sketch

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill material consists of gravel, scrap wood, coal clinker, paper debris

- native soil reached @ 2.5 to 3.0 fbgs damp to moist (silt w/ clay)

- groundwater not encountered

PID = 0 ppm

SAMPLES

NO.	DEPTH (bgs)	NOTES
		NO SAMPLES COLLECTED

EXCAVATION NOTES

WATER LEVELS

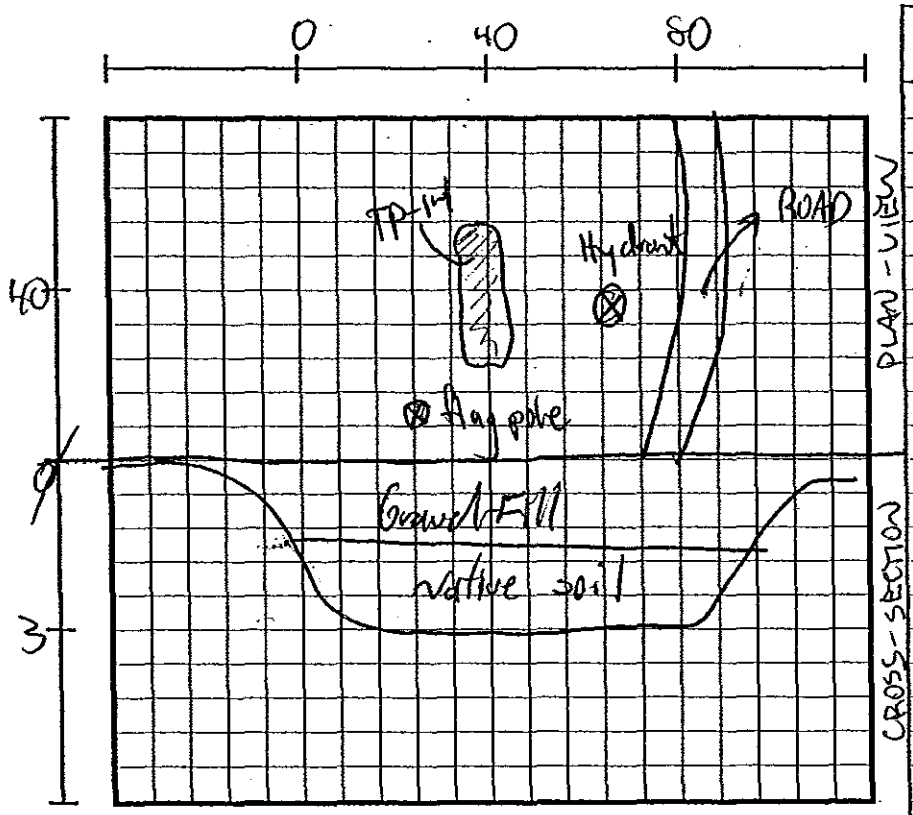
TIME	WATER DEPTH (bgs)

FIELD TEST PIT LOG

Test Pit No.	TP-14

Job No. 7250 | Project R6&E Pavilion | Equipment Case 550L
Contractor SLC Environmental | Operator Greg Jarvis | Started 6/27/01
GMX Insp. MAE | Elevation N/A | Completed 6/27/01
Weather sunny ~75°F
Location see sketch

TEST PIT SKETCH



NOTES / STRATA DESCRIPTIONS

Fill material consists of gravel with iron pipe staining, metal pieces.

- native soil reached at a depth of 1.5' bgs. (sandy - silt) moist.

- groundwater not encountered

PID = 0ppm

SAMPLES

NO.	DEPTH (bgs)	NOTES
TP-14	1.5'	Grab sample

EXCAVATION NOTES

WATER LEVELS

TIME	WATER DEPTH (bgs)

PROJECT: RG & E Property No. 1252 Pavilion, New York		**Log of Boring No. B-1**	
BORING LOCATION: Center of small former gas holder		ELEVATION: fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle		DATE STARTED: 12/11/01	DATE FINISHED: 12/11/01
DRILLING METHOD: Direct push (Geoprobe)		TOTAL DEPTH: 6.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: BK-81		DEPTH TO WATER: FIRST: 3.5 feet	COMPL.
SAMPLING METHOD: 4 foot stainless steel barrel with acetate sleeves		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
1					sand with silt and med. angular gravel (fill), dry to damp	No odors
2					CONCRETE PAD (former gas holder pad)	
3					**Poorly graded SAND with SILT (SP-SM)** 60% fine to med. sand, 40% silt, 2.5Y 4/3, moist, firm	
4	1		NA			
5						
6					EOB at 6.0 fbgs	
7						
8						
9						
10						

BORING BORINGS.GPJ (2/02)

PROJECT: RG & E Property No. 1252 Pavilion, New York		**Log of Boring No. B-2**	
BORING LOCATION: Center of large former gas holder		ELEVATION: fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle		DATE STARTED: 12/11/01	DATE FINISHED: 12/1/01
DRILLING METHOD: Direct push (Geoprobe)		TOTAL DEPTH: 6.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: BK-81		DEPTH TO WATER: | FIRST 3 feet	COMPL.
SAMPLING METHOD: 4 foot stainless steel barrel with acetate sleeves		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
1					sand with silt and med. angular gravel (fill), dry to damp	No odors
2					CONCRETE PAD (former gas holder pad)	
3					**Poorly graded SAND with SILT (SP-SM)** 60% fine to med. sand, 40% silt, 2.5Y 4/3, moist, firm	▽
4	1		NA			
5						
6					EOB at 6.0 fbgs	
7						
8						
9						
10						

BORING BORINGS.GPJ (2/02)

PROJECT: RG & E Property No. 1252 Pavilion, New York		**Log of Boring No. B-3**	
BORING LOCATION: Former oil AST area		ELEVATION: fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle		DATE STARTED: 12/11/01	DATE FINISHED: 12/11/01
DRILLING METHOD: Direct push (Geoprobe)		TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: BK-81		DEPTH TO WATER: FIRST 4.5 feet	COMPL.
SAMPLING METHOD: 4 foot stainless steel barrel with acetate sleeves		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react, w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
0					fine sand with med angular gravel, trace asphalt (fill), dry, loose	
1					fine sand with silt, little med. gravel (fill), damp	
2	1		NA		**Poorly graded SAND with SILT (SP-SM)** 60% fine sand, 40% silt, moist, firm, 2.5Y 4/1	OVM = 8ppm strong petroleum hydrocarbon odor throughout sample 1
3						
4						▽
5						OVM = 20ppm odors end where saturated conditions observed
6	2		NA			
7						OVM = 15ppm
8					EOB at 8.0 fbgs	
9						
10						

BORING BORINGS.GPJ (2/02)

PROJECT: RG & E Property No. 1252 Pavilion, New York		**Log of Boring No. B-4**	
BORING LOCATION: Former oil AST area		ELEVATION: fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle		DATE STARTED: 12/11/01	DATE FINISHED: 12/11/01
DRILLING METHOD: Direct push (Geoprobe)		TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: BK-81		DEPTH TO WATER: FIRST 4.5 feet	COMPL.
SAMPLING METHOD: 4 foot stainless steel barrel with acetate sleeves		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
1					fine sand with silt and fine subangular gravel (fill), loose to soft, damp	OVM = 0.1ppm
2	1		NA			
3					**Poorly graded SAND with SILT (SP-SM)** 80% very fine sand, 20% silt, damp, firm, 2.5Y 4/1	OVM = 5 ppm slight petroleum hydrocarbon odor
4						
5						
6	2		NA			OVM = 0ppm
7						
8					EOB at 8.0 fbgs	
9						
10						

PROJECT: RG & E Property No. 1252 Pavilion, New York		**Log of Boring No. B-5**	
BORING LOCATION: Former oil AST area		ELEVATION: fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle		DATE STARTED: 12/11/01	DATE FINISHED: 12/11/01
DRILLING METHOD: Direct push (Geoprobe)		TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: BK-81		DEPTH TO WATER: FIRST 4.5 feet	COMPL.
SAMPLING METHOD: 4 foot stainless steel barrel with acetate sleeves		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
1					fine to med. sand with silt, angular gravel, clinker (fill), dry	
2	1		NA		**Poorly graded SAND with SILT (SP-SM)** 80% fine sand, 20% silt, damp, firm, 2.5Y 4/1	
3						OVM= 2ppm no odors
4						
5						
6	2		NA			
7						
8					EOB at 8.0 fbgs	
9						
10						

PROJECT: RG & E Property No. 1252
Pavilion, New York

Log of Boring No. B-6

BORING LOCATION: Former oil AST area	ELEVATION: fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle	DATE STARTED: 12/11/01	DATE FINISHED: 12/11/01
DRILLING METHOD: Direct push (Geoprobe)	TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: BK-81	DEPTH TO WATER: FIRST 4.8 feet	COMPL.
SAMPLING METHOD: 4 foot stainless steel barrel with acetate sleeves	LOGGED BY: MAC	
HAMMER WEIGHT: NA / DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/foot	OVM (ppm)	DESCRIPTION (NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.)	DRILLING REMARKS
					Surface Elevation: fmsl	
1					fine to med. sand with silt and fine angular gravel, little clinker (fill), damp to moist, loose	
2	1		NA		**Poorly graded SAND with SILT (SP-SM)** 80-90% fine sand, 10% silt, damp, trace low plasticity fines, firm, 2.5Y 4/2	OVM = 5ppm no odors
3						
4						
5					**Poorly graded SAND with GRAVEL (SP)** 90% coarse sand, 10% fine subrounded gravel, saturated, loose, 2.5Y 4/1	OVM= 0.3ppm
6	2		NA			
7					**Poorly graded SAND with SILT (SP-SM)** 80% fine sand, 20% silt, saturated, soft, 2.5Y 4/2	OVM = 1ppm
8						
9					EOB at 8.0 fbgs	
10						

BORING BORINGS.GPJ (2/02)

PROJECT: RG & E Property No. 1252 Pavilion, New York		**Log of Boring No. B-7**	
BORING LOCATION: Former oil AST area		ELEVATION: fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle		DATE STARTED: 12/11/01	DATE FINISHED: 12/11/01
DRILLING METHOD: Direct push (Geoprobe)		TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: BK-81		DEPTH TO WATER: FIRST 4.8 feet	COMPL.
SAMPLING METHOD: 4 foot stainless steel barrel with acetate sleeves		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
0–1					fine sand with silt, gravel, clinker, (fill), moist, loose	
1–2						OVM = 1ppm no odors
2–3	1		NA		**Poorly graded SAND with SILT (SP-SM)** 60% fine sand, 40% silt, locally coarser grained (med. to coarse sand), soft to firm, 2.5Y 4/1	OVM = 3ppm
3–4						
4–5						OVM = 6ppm
5–6						
6–7	2		NA			OVM = 5ppm
7–8						
8–9					EOB at 8.0 fbgs	
9–10						

BORING BORINGS.GPJ (2/02)

PROJECT: RG & E Property No. 1252 Pavilion, New York		**Log of Boring No. B-8**	
BORING LOCATION: Former oil AST area		ELEVATION: fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle		DATE STARTED: 12/11/01	DATE FINISHED: 12/11/01
DRILLING METHOD: Driect push (Geoprobe)		TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: BK-81		DEPTH TO WATER: FIRST 4 feet	COMPL.
SAMPLING METHOD: 4 foot stainless steel barrel with acetate sleeves		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
1					fine sand with silt, gravel, clinker, (fill), moist, loose	
2	1		NA		**Poorly graded SAND with SILT (SP-SM)** 60% fine sand, 40% silt, locally coarser grained (fine subrounded gravel), soft to firm, 2.5Y 4/1	OVM = 0.1ppm no odors
3						OVM = 0.2ppm
4					▽	
5						
6	2		NA			
7						
8					EOB at 8.0 fbgs	
9						
10						

PROJECT: RG & E Property No. 1252 Pavilion, New York	**Log of Boring No. B-9**	
BORING LOCATION: Former oil AST area	ELEVATION: fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle	DATE STARTED: 12/11/01	DATE FINISHED: 12/11/01
DRILLING METHOD: Direct push (Geoprobe)	TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: BK-81	DEPTH TO WATER: FIRST 4 feet	COMPL.
SAMPLING METHOD: 4 foot stainless steel barrel with acetate sleeves	LOGGED BY: MAC	
HAMMER WEIGHT: NA / DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
1					fine sand with silt and gravel, clinker (fill) dry, loose	
2	1		NA			OVM = 1ppm slight petroleum hydrocarbon odor 2-3 fbgs
3					**Poorly graded SAND with SILT (SP-SM)** 80% fine sand, 20% silt, damp to moist, firm, 2.5Y 4/1	
4						OVM = 20ppm
5						
6	2		NA			OVM = 4ppm
7						
8					EOB at 8.0 fbgs	
9						
10						

PROJECT: RG & E Property No. 1252
Pavilion, New York

Log of Boring No. B-10

BORING LOCATION: Former oil AST area	ELEVATION: fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle	DATE STARTED: 12/11/01	DATE FINISHED: 12/11/01
DRILLING METHOD: Direct push (Geoprobe)	TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: BK-81	DEPTH TO WATER: FIRST 4 feet	COMPL.
SAMPLING METHOD: 4 foot stainless steel barrel with acetate sleeves	LOGGED BY: MAC	
HAMMER WEIGHT: NA / DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/foot	OVM (ppm)	DESCRIPTION (NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.)	DRILLING REMARKS
					Surface Elevation: fmsl	
0					fine sand with silt and med. angular gravel (fill), dry to damp	
2	1		NA		**Poorly graded SAND with SILT (SP-SM)** 60% fine sand, 40% silt, moist, firm, 2.5Y 4/1	OVM = 1ppm no odors
6	2		NA			
8					grading to **CLAY (CL)** 100% high plasticity fines, damp, firm to hard, 2.5Y 4/2	
					EOB at 8.0 fbgs	

BORING BORINGS.GPJ (2/02)

PROJECT: RG & E Property No. 1252 Pavilion, New York		**Log of Boring No. B-11**	
BORING LOCATION: Grid east of former tar separator tank		ELEVATION: fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle		DATE STARTED: 12/11/01	DATE FINISHED: 12/11/01
DRILLING METHOD: Direct push (Geoprobe)		TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: BK-81		DEPTH TO WATER: FIRST 4 feet	COMPL.
SAMPLING METHOD: 4 foot stainless steel barrel with acetate sleeves		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
0					fine sand with silt and gravel (fill) dry to damp, loose	
1					fine sand with silt, brick, some gravel, trace wood pieces, black, moist	
2	1		NA			
3						OVM = 30ppm strong petroleum hydrocarbon odor throughout B-11.
4						
5					**Poorly graded SAND with SILT (SP-SM)** 80% fine sand, 20% silt, wet, soft, black	OVM = 35ppm
6	2		NA			
7						OVM = 20ppm sheen on soil and water in sleeve.
8					EOB at 8.0 fbgs	
9						
10						

BORING BORINGS.GPJ (2/02)

PROJECT: RG & E Property No. 1252 Pavilion, New York		**Log of Boring No. B-12**	
BORING LOCATION: Grid North of former tar separator tank		ELEVATION: fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle		DATE STARTED: 12/11/01	DATE FINISHED: 12/11/01
DRILLING METHOD: Direct push (Geoprobe)		TOTAL DEPTH: 8.0 fbgs	MEASURING POINT: ground surface
DRILLING EQUIPMENT: BK-81		DEPTH TO WATER: FIRST 4 feet	COMPL.
SAMPLING METHOD: 4 foot stainless steel barrel with acetate sleeves		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	DRILLING REMARKS
					Surface Elevation: fmsl	
0					fine sand with silt and gravel (fill) dry to damp, loose	
1					fine sand with silt, brick, some gravel, trace wood pieces, black, moist	
2	1		NA			
3						OVM = 15ppm strong petroleum hydrocarbon odor throughout B-12. Sheen on water in sleeve.
4						
5					**Poorly graded SAND with SILT (SP-SM)** 80% fine sand, 20% silt, wet, soft, black	
6	2		NA			OVM = 10ppm sheen on soil and water.
7						
8					EOB at 8.0 fbgs	
9						
10						

BORING BORINGS.GPJ (2/02)

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

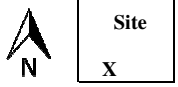
PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 1 **SB-01**
Location Description: SW Corner of Site

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/27/15 0800
Date/Time Finish: 10/29/15 1620

Location Plan



Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100%	0.0 HS	OL	0-2'	Brown Sandy Clay, Damp/Fill Black		Hand Auger
Soil		100%	0.0 HS	OL	2-4'	Brown Clay with Silt, Wet at 3.5'		Hand Auger
Soil		100%	0.2	OL	4-6'	Brown and Grey Silt with Clay, Wet		Geoprobe
Soil		100%	0.4	OH	6-8'	Brown Clay, Wet		Geoprobe
Soil		60%	0	GM	8-10'	Brown Silt with Some Gravel, Wet		Geoprobe
Soil		100%	0.6	SC	10-12'	Grey to Brown Clay with Silt, Wet		Geoprobe
Soil		60%	9	SM	12-14'	Silt- Brown, Wet		Geoprobe
Soil		100%	9.1	SM	14-16'	Grey Silt, Wet	Sample	Geoprobe
Soil		100%	7.1	SM	16-18'	Brown/Grey Silt, Wet		Geoprobe
Soil		100%	1.3	SM	18-20'	Grey Silt, Wet	Sample	Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 1 **SB-02**
Location Description: South of Meter Room

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/27/15 0900
Date/Time Finish: 10/29/15 1445

Location Plan

Site X

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100%	0.0 HS	OH	0-2'	Brown Clay with some Silt, Organic Odor, Damp		Hand Auger
Soil		100%	0.0 HS	SM	2-4'	Brown Silty Sand Wet at 3'	Sample	Hand Auger
Soil		100%	0.0	SC	4-6'	Brown Clay with Silt and Gravel, Wet		Geoprobe
Soil		100%	0.0	OL	6-8'	Brown Clay with Silt, Wet		Geoprobe
Soil		100%	0.0	OH	8-10'	Brown Clay with Gravel, Wet		Geoprobe
Soil		100%	0.0	SM	10-12'	Grey Silt, Wet with some Sand		Geoprobe
Soil		20%	0.0	SM	12-14'	Brown Silt, Wet		Geoprobe
Soil		40%	0.0	SM	14-16'	Grey Silt with some Gravel, Wet	Sample	Geoprobe
Soil		0%	NR	-	16-18'	No Recovery		Geoprobe
Soil		0%	NR	-	18-20'	No Recovery		Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

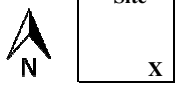
PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 1 **SB-03**
Location Description: SE Corner of Site

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/27/15 0830
Date/Time Finish: 10/29/15 1605

Location Plan



Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100%	0.0 HS	OL	0-2'	0-1' Brown Silt w/Gravel/1-2' Black Silt Organic		Hand Auger
Soil		100%	0.0 HS	OH	2-4'	Brown Clay with some Silt Organic Odor Moist		Hand Auger
Soil		80%	2.4	OH	4-6'	Brown Clay with Silt, Wet		Geoprobe
Soil		100%	5.1	OH	6-8'	Brown and Grey Clay, Wet		Geoprobe
Soil		100%	8.0	GC	8-10'	Brown Clay with Silt and Gravel, Wet		Geoprobe
Soil		100%	6.0	SM	10-12'	Grey Silt, Wet		Geoprobe
Soil		60%	6.1	SM	12-14'	Brown Sand with Silt, Wet		Geoprobe
Soil		80%	1.2	SM	14-16'	Brown Sand with Silt, Wet		Geoprobe
Soil		60%	13.0	GC	16-18'	Brown Silt with Gravel	Sample	Geoprobe
Soil		100%	7.0	SM	18-20'	Grey Silt, Wet	Sample	Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 1 **SB-04**
Location Description: East Side-East of Former Above Ground Storage Tanks

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/26/15 0830
Date/Time Finish: 10/29/15 1000

Location Plan

Site X

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100%	0.7	CL	0-2'	Brown Clay with Silt, Moist		Hand Auger
Soil		100%	1.6	CL	2-4'	Brown Clay with Silt, Wet at 3'	Sample	Hand Auger
Soil		0%	NR		4-6'	No Recovery, Wet		Geoprobe
Soil		0%	NR		6-8'	No Recovery, Wet		Geoprobe
Soil		0%	NR		8-10'	No Recovery, Wet		Geoprobe
Soil		0%	NR		10-12'	No Recovery, Wet		Geoprobe
Soil		100%	0.0	OL	12-14'	Brown Clay with Silt and some Gravel, Wet		Geoprobe
Soil		40%	0.0	OL	14-16'	Grey Clay with Silt, Wet		Geoprobe
Soil		100%	0.0	SM	16-18'	Brown Silt, Wet, Some Gravel		Geoprobe
Soil		100%	0.0	SM	18-20'	Brown Silt with Sand, Wet	Sample	Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 1 **SB-05**
Location Description: Central West of Former Above Ground Oil Storage Tanks

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/26/15 0915
Date/Time Finish: 10/29/15 0900

Location Plan

Site
X

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100%	0.4 HS	FILL	0-2'	Dark Sandy Fill with Gravel, Odor, Damp		Hand Auger
Soil		100%	5.9 HS	CL	2-4'	Grey Clay with some Silt, Moist, Odor Water ~4'		Hand Auger
Soil		60%	0.8	OL	4-6'	Grey Silt with some Clay, Gravel		Geoprobe
Soil		100%	0.4	OH	6-8'	Grey Clay with some Silt, Wet, Sheen		Geoprobe
Soil		60%	7.4	SM	8-10'	Grey Silt with some Gravel, Wet, Sheen	Sample	Geoprobe
Soil		100%	1.5	CH	10-12'	Grey Clay with some Silt, Wet		Geoprobe
Soil		60%	0.6	SP	12-14'	Grey Silt with some Gravel, Wet		Geoprobe
Soil		75%	0.9	SM	14-16'	Grey Silt with some Sand, Wet		Geoprobe
Soil		40%	0.8	SP	16-18'	Grey Silt with some Gravel, Wet		Geoprobe
Soil		70%	0.7	OL	18-20'	Grey Silt, Moist	Sample	Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 1 **SB-06**
Location Description: On Former Gas Holder Pad SW Side

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/26/15 1035
Date/Time Finish: 10/28/15 1445

Location Plan

X
Site

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100% over 14"	0.0 HS	GM	0-14"	Brown Sand, Gravel Fill, Moist Concrete Slab at 14" Depth		Hand Auger
-		0%	-	-	14-24"	Concrete Slab 14-24"		Cored through with core barrel
Soil		100%	0.0 HS	OH	2-4'	Grey Sandy Clay, Damp, Wet at 3.5'		Hand Auger
Soil		60%	1.4	SP	4-6'	Grey Sand with Gravel and some Silt, Wet		Geoprobe
Soil		100%	2.8	OH	6-8'	Grey Clay with some Yellow Sand		Geoprobe
Soil		100%	1.4	SW	8-10'	Grey Sand with Fine Gravel, Wet		Geoprobe
Soil		100%	0.7	OH	10-12'	Grey Clay with some Sand and Silt, Wet		Geoprobe
Soil		60%	1.1	OL	12-14'	Grey Silt with some Clay, Wet		Geoprobe
Soil		100%	3.7	OL	14-16'	Grey Silt with some Clay, Wet	Sample	Geoprobe
Soil		60%	2.8	OL	16-18'	Grey Sand with Silt, Wet		Geoprobe
Soil		50%	0.7	OL	18-20'	Grey Silt with Sand	Sample	Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:
Boring Terminated at 20' Depth

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 1 **SB-07**
Location Description: NE Corner of Site on Former Gas Holder Pad

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/26/15 0945
Date/Time Finish: 10/28/15 1615

Location Plan

X
Site

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100%	0.5 HS	SM	0-21"	Fill with Brown Sand with Some Silt Concrete Slab at approximately 21" Depth		Hand Auger
-		0%	-	-	21-33"	Concrete Slab		Concrete Cover
Soil		100%	0.7 HS	SM	33-48"	Light Brown Sand with Silt, Damp		Hand Auger
Soil		60%	3.7	SW	4-6'	Brown Silt with Fine Gravel, Wet	Sample	Geoprobe
Soil		100%	0.3	SM	6-8'	Brown/Grey Sand with Some Silt, Wet		Geoprobe
Soil		100%	0.6	OH	8-10'	Grey Clay with Silt, Wet		Geoprobe
Soil		100%	1.7	OH	10-12'	Grey Clay with Little Silt		Geoprobe
Soil		70%	2.3	OL	12-14'	Grey Clay/Silt with Some Sand/Gravel, Wet		Geoprobe
Soil		70%	2.6	OL	14-16'	Grey Clay with Silt, Wet		Geoprobe
Soil		0%	NR	-	16-18'	No Recovery		Geoprobe
Soil		0%	NR	-	18-20'	No Recovery		Geoprobe
Soil		40%	0.4	GM	20-22'	Grey Silt with Gravel, Wet		Geoprobe
Soil		60%	0.6	GM	22-24'	Grey Silt with Gravel, Wet	Sample	Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:
Boring Terminated at 24' Depth

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 1 **SB-08**
Location Description: NW Former Relief Holder Slab

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/26/15 1045
Date/Time Finish: 10/28/15 1350

Location Plan

X
Site

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		75% over 17"	1.7 HS	GP	0-11"	Grey to Brown Gravel with Sand, Moist Concrete Slab at 17" Depth		Hand Auger
-		0%	-	-	17"-29"	Concrete Slab 17" to 29"		Concrete Cover
Soil		100%	0.0 HS	SM	29"-4'	Brown Silt with Sand, Moist		Hand Auger
Soil		50%	2.7	GM	4-6'	Brown Sand with Gravel, Wet		Geoprobe
Soil		75%	0.1	CL	6-8'	Dark Brown Clay with Some Silt, Wet		Geoprobe
Soil		100%	1.8	GM	8-10'	Brown Sand with Gravel, Some Silt, Wet		Geoprobe
Soil		100%	3.2	OH	10-12'	Grey Clay with Some Silt, Wet	Sample	Geoprobe
Soil		0%	-	-	12-14'	No Recovery		Geoprobe
Soil		60%	1.4	OH	14-16'	Grey Clay with Silt, Wet		Geoprobe
Soil		50%	0.5	GC	16-18'	Grey Silt with Fine Gravel, Wet		Geoprobe
Soil		100%	0.0	OL	18-20'	Grey Silt with Fine Sand, Wet	Sample	Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:
Boring Terminated at 20' Depth

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 1 **SB-09**
Location Description: NW Side

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/26/15 1400
Date/Time Finish: 10/30/15 1050

Location Plan

X
Site

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100%	1.8 HS	GC	0-2'	Fill with Gravel and Clay, Rust Colored, Damp		Hand Auger
Soil		100%	1.9	CL	2-4'	Fill with Wood, Gravel, Some Clay, Damp		Hand Auger
Soil		100%	0.8	OH	4-6'	Brown Clay with Silt, Wet		Geoprobe
Soil		100%	1.1	OL	6-8'	Grey Clay with Silt, Wet		Geoprobe
Soil		50%	0.2	SP	8-10'	Brown Silt with Gravel, Wet		Geoprobe
Soil		50%	0.5	SM	10-12'	Brown Silt, Wet		Geoprobe
Soil		60%	2.7	SM	12-14'	Grey Silt, Wet	Sample	Geoprobe
Soil		60%	1.9	SM	14-16'	Tight Grey Silt, Damp		Geoprobe
Soil		60%	0.4	SM	16-18'	Grey Silt Wet with Some Gravel		Geoprobe
Soil		100%	0.5	SM	18-20'	Grey Silt, Wet	Sample	Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 1 **SB-10**
Location Description: NW Corner of Warehouse Building

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/26/15 1300
Date/Time Finish: 10/30/15 0950

Location Plan

X **Site**

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100%	0.3 HS	SP	0-2'	Coal/Anthracite Black, Damp		Hand Auger
Soil		100%	3.1 HS	OH	2-4'	Grey Clay with Some Silt, Damp, Odor	Sample	Hand Auger
Soil		100%	0.8	OH	4-6'	Brown Clay with Some Silt, Wet		Geoprobe
Soil		100%	0.8	OH	6-8'	Brown Clay, Moist		Geoprobe
Soil		100%	0.6	SM	8-10'	Grey Silt, Wet		Geoprobe
Soil		100%	0.8	SM	10-12'	Grey Silt, Wet		Geoprobe
Soil		100%	0.6	GC	12-14'	Grey Clay with Silt and Gravel, Wet		Geoprobe
Soil		100%	0.5	SM	14-16'	Grey Silt, Wet		Geoprobe
Soil		100%	1.4	SM	16-18'	Grey Silt, Wet		Geoprobe
Soil		100%	0.7	SM	18-20'	Grey Silt, Moist	Sample	Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 1 **SB-11**
Location Description: South of Former Gas Processing Tower

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/26/15 1335
Date/Time Finish: 10/30/15 1115

Location Plan

X Site

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100%	3.3 HS	SP	0-2'	Brown Gravel and Sand Fill with Some Clay, Moist		Hand Auger
Soil		100%	0.2 HS	CL	2-4'	Brown to Grey Clay with Silt, Wet, Fill		Hand Auger
Soil		80%	1.4	SW	4-6'	Brown to Black Stained Sand/Silt, Slight Sheen, Wet	Sample	Geoprobe
Soil		100%	1.1	OL	6-8'	Brown Clay with some Silt, Wet		Geoprobe
Soil		100%	0.5	SM	8-10'	Brown to Grey Sand with Silt, Wet Weathered Sheen		Geoprobe
Soil		100%	0.5	OL	10-12'	Grey Clay with Silt, Wet		Geoprobe
Soil		40%	0.7	SW	12-14'	Grey Silt with Gravel, Wet		Geoprobe
Soil		60%	0.5	SM	14-16'	Grey Silt, Moist		Geoprobe
Soil		100%	0.7	SM	16-18'	Grey Silt, Wet		Geoprobe
Soil		100%	0.5	SM	18-20'	Grey Silt, Moist	Sample	Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 1 **SB-12**
Location Description West of Warehouse Building

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/26/15 1415
Date/Time Finish: 10/30/15 0915

Location Plan

X Site

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100%	0.4 HS	GP	0-2'	Sand and Gravel Fill with Coal, Damp		Hand Auger
Soil		100%	7.1 HS	CL	2-4'	Grey Clay with Some Gravel, Moist	Sample	Hand Auger
Soil		100%	0.2	OH	4-6'	Brown Clay with Some Silt, Wet		Geoprobe
Soil		100%	0.5	OH	6-8'	Brown Clay with some Silt, Wet		Geoprobe
Soil		100%	0.8	SM	8-10'	Grey Silt, Wet		Geoprobe
Soil		100%	0.5	OL	10-12'	Brown Clay with Some Grey Silt, Gravel, Wet		Geoprobe
Soil		100%	0.5	SM	12-14'	Grey Silt, Wet		Geoprobe
Soil		100%	0.1	SM	14-16'	Grey Silt, Wet		Geoprobe
Soil		100%	1.4	SM	16-18'	Grey Silt, Wet		Geoprobe
Soil		100%	1.1	SM	18-20'	Grey Silt, Wet	Sample	Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:

Contractor:	PARSONS		**BORING/** Page 1 of 1
Driller:	TREC		**WELL NO.** **SB-13**
Oversight:	DRD	**PROJECT NAME:** Iberdrola	**Location Description**
Rig Type:	Geoprobe	**PROJECT Location:** Pavilion, NY	SW Corner of Warehouse Building

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/26/15 1520
Date/Time Finish: 10/30/15 0820

Location Plan

Site
X

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100%	1.6	GP	0-2'	Black Gravel Fill with Sand, Damp		Hand Auger
Soil		100%	0.8	SM	2-4'	Grey Clay with Silt, Damp		Hand Auger
Soil		100%	0.2	OH	4-6'	Brown Clay at 5'; 4' to 5' Grey Silt with Gravel, Wet		Geoprobe
Soil		100%	0.9	OH	6-8'	Brown Clay with Some Silt, Moist		Geoprobe
Soil		100%	0.4	OL	8-10'	Grey Clay with Silt, Wet		Geoprobe
Soil		100%	1.7	SM	10-12'	Grey Silt, Wet	Sample	Geoprobe
Soil		100%	0.7	SP	12-14'	Grey Silt with Gravel, Wet		Geoprobe
Soil		100%	0.6	OL	14-16'	Grey Silty Clay, Wet		Geoprobe
Soil		100%	0.5	SM	16-18'	Grey Silt, Wet		Geoprobe
Soil		100%	1.1	SM	18-20'	Grey Silt, Moist	Sample	Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:

Contractor: PARSONS
Driller: TREC
Oversight: DRD
Rig Type: Geoprobe

PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 1 of 2 **MW-05**
Location Description: North Side Central Near fence

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:			ft bls
Total Depth of Boring:			ft bls
Additional Comments:			

Date/Time Start: 10/26/15 1100 Hand Clear
Date/Time Finish: 10/28/15 1045

Location Plan

X
Site

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)		SCHEMATIC Drawing Not to Scale	COMMENTS
Soil		100%	1.6 HS	SC	0-2'	Brown Sand with some silt and clay, Moist		Hand Auger
Soil		100%	1.4 HS	SM	2-4'	Brown to Yellow Orange, Sandy Loam, Damp		Hand Auger
Soil		10%	1.3 HS	SM	4-6'	Dark Brown Sand with some Silt, Wet		Geoprobe
Soil		75%	12.0 HS	SM	6-8'	Dark Brown Sand with some Silt, Wet		Geoprobe
Soil		50%	27.5	SC	8-10'	Brown Sandy Silt, Wet	Sample	Geoprobe
Soil		90%	24.6	SC	10-12'	Brown Silt with Sand, Wet		Geoprobe
Soil		70%	22.6	OL	12-14'	Dark Brown Silt, Wet		Geoprobe
Soil		70%	7.7	OH	14-16'	Grey Clay with Silt, Wet		Geoprobe
Soil		70%	0.1	SC	16-18'	Grey Silt with Clay, Wet	Sample	Geoprobe
Soil		70%	0.1	CL	18-20'	Brown Silt with some Sand, Wet		Geoprobe

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:
MW-05 Well installed to a depth of ~15.5' below ground surface
See next page for well construction schematic.

PARSONS
TEST PIT RECORD

PROJECT NAME:	Iberdrola Pavilion, NY
PROJECT NUMBER:	449605
WEATHER	Partly cloudy, windy, temperature in the 50s
DATE/TIME START:	10/29/15 1225
DATE/TIME FINISH:	10/29/15 1315
CONTRACTOR:	TREC Environmental
INSPECTOR:	Dale Dolph/Shane Blauvelt

TEST PIT ID: TP-15

LOCATION: Iberdrola Pavilion, NY

Approximate L X W X D = 12' X 3' X 4'

Located East side of site, near former above ground oil tank locations.

DEPTH (feet bgs)	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
0	(0-1 ft) Mostly gravel fill with some soil discoloration Concrete slab encountered on east side at approximately 1 ft depth	PID Reading 0.1 PPM
1	(1-1.5 ft) Gray silt with sand, some soil discoloration	PID Reading 0.0 PPM
	(1.5-4 ft) Gray clay with sand and silt, moist	PID Reading 0.0 PPM
2	Soils appeared clean	
3		Sample collected at 3 ft depth
	TP terminated at 4 ft depth	
4		
5		

Bottom of test pit at 4.0 ft bgs — no groundwater encountered

Test pit was advanced utilizing a backhoe

PARSONS
TEST PIT RECORD

PROJECT NAME:	Iberdrola Pavilion, NY
PROJECT NUMBER:	449605
WEATHER	Partly cloudy, windy, temperature in the 50s
DATE/TIME START:	10/29/15 1225
DATE/TIME FINISH:	10/29/15 1315
CONTRACTOR:	TREC Environmental
INSPECTOR:	Dale Dolph/Shane Blauvelt

TEST PIT ID: TP-15

LOCATION: Iberdrola Pavilion, NY

Approximate L X W X D
= 12' X 3' X 4'

Located East side of site, near former above ground oil tank locations.

PHOTOGRAPH

TP-15
Picture of depth to gray clay

TP-15
Picture of total depth and concrete slab on east end

PARSONS
TEST PIT RECORD

PROJECT NAME:	Iberdrola Pavilion, NY
PROJECT NUMBER:	449605
WEATHER	Partly cloudy, windy, temperature in the 50s
DATE/TIME START:	10/29/15 1110
DATE/TIME FINISH:	10/29/15 1215
CONTRACTOR:	TREC Environmental
INSPECTOR:	Dale Dolph/Shane Blauvelt

TEST PIT ID: TP-16

LOCATION: Iberdrola Pavilion, NY

Approximate L X W X D = 25' X 3' X 5'

Location: West side of site, next to former gas purifiers.

DEPTH (feet bgs)	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
0	(0-1 ft) Gravel cover, fill, one foot on top of former gas purifier was discolored	PID Reading 0.0 PPM
1	(1-2 ft) Discolored gravel, sand fill	PID Reading 0.0 PPM
2	(2.5 ft) Gray silt	PID Reading 0.0 PPM
3	(3-5 ft) Gray clay, appeared native, on west end of TP excavated along edge of the former purifier pad	PID Reading 0.0 PPM
4	TP terminated at 5 ft depth, water observed at 3 to 4 ft depth	Sample collected at 4 ft depth
5		
	Bottom of test pit at 5.0 ft bgs	groundwater encountered at approximately 3 to 4 ft
	Test pit was advanced utilizing a backhoe	

PARSONS
TEST PIT RECORD

PROJECT NAME:	Iberdrola Pavilion, NY
PROJECT NUMBER:	449605
WEATHER	Partly cloudy, windy, temperature in the 50s
DATE/TIME START:	10/29/15 1110
DATE/TIME FINISH:	10/29/15 1215
CONTRACTOR:	TREC Environmental
INSPECTOR:	Dale Dolph/Shane Blauvelt

TEST PIT ID: TP-16

LOCATION: Iberdrola Pavilion, NY

Approximate L X W X D
= 25' X 3' X 5'

Location: West side of site, next to former gas purifiers.

PHOTOGRAPH

TP-16
Picture of total depth and edge of former purifier slab on east end

PARSONS
TEST PIT RECORD

PROJECT NAME:	Iberdrola Pavilion, NY
PROJECT NUMBER:	449605
WEATHER	Partly cloudy, windy, temperature in the 50s
DATE/TIME START:	10/29/15 0950
DATE/TIME FINISH:	10/29/15 1045
CONTRACTOR:	TREC Environmental
INSPECTOR:	Dale Dolph/Shane Blauvelt

TEST PIT ID: TP-17

LOCATION: Iberdrola Pavilion, NY

Approximate L X W X D
= 15' X 3' X 6' and
10' X 3' X 3'

Location: West side of site, east of former tar separator.

DEPTH (feet bgs)	FIELD IDENTIFICATION OF MATERIAL	COMMENTS
0	(0-1 ft) Gravel fill	PID Reading 0.0 PPM
1		
2	(2-5 ft) Brick, wood, fill, stain, sheen, NAPL	PID Readings up to 2.7 PPM
	Water observed at approximately 3 ft depth	
3	6 inch steel pipe oriented north/south transects TP on southeast end	Sample collected at 3 ft depth
	Concrete footer oriented north/south transects TP in center	
4		
5	(5-6 ft) Brown clay with sand	
	TP completed at 6 ft depth	Sample collected at 6 ft depth
6		
	Continued TP to the north attempting to find former gas purifier pad, unable to locate.	
	Bottom of test pit at 6.0 ft bgs	Groundwater encountered at approximately 3 ft
	Test pit was advanced utilizing a backhoe	

PARSONS
TEST PIT RECORD

PROJECT NAME:	Iberdrola Pavilion, NY
PROJECT NUMBER:	449605
WEATHER	Partly cloudy, windy, temperature in the 50s
DATE/TIME START:	10/29/15 0950
DATE/TIME FINISH:	10/29/15 1045
CONTRACTOR:	TREC Environmental
INSPECTOR:	Dale Dolph/Shane Blauvelt

TEST PIT ID: TP-17

LOCATION: Iberdrola Pavilion, NY

Approximate L X W X D
= 15' X 3' X 6' and
10' X 3' X 3'

Location: West side of site, east of former tar separator.

PHOTOGRAPH

TP-17
Picture of NAPL, staining, and sheen on soils and groundwater near former tar separator

TP-17
Picture of stained soil in northward portion of test pit

APPENDIX D

MONITORING WELL CONSTRUCTION LOGS

PROJECT: RG&E Property No. 1252 Pavilion, New York		**Log of Well No. MW-1**	
BORING LOCATION: Southeastern corner of site		TOP OF RISER ELEVATION: 939.19 fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle		DATE STARTED: 12/10/01	DATE FINISHED: 12/10/01
DRILLING METHOD: 4 1/4" HSA		TOTAL DEPTH: 16.2 fbgs	SCREEN INTERVAL: 11-16 fbgs
DRILLING EQUIPMENT: BK-81		DEPTH TO WATER: | FIRST 11 ft | COMPL.	CASING: 2" dia. PVC
SAMPLING METHOD: 2" diameter stainless steel split spoons		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
					Surface Elevation: fmsl	
1	1		7	0	Fine to medium sand, silt, gravel, asphalt (fill), some iron oxide staining (10YR 5/8). Grading to black slag pieces at 1' bgs, dry to damp, loose	
2						
3	2		4	0	**Poorly graded SAND with SILT (SP-SM)** 60% fine sand, 40% silt, trace low plasticity fines, damp to moist, 10YR 3/3	cement/ bentonite grout
4						
5	3		5	0		
6						2" diameter PVC riser
7	4		13	0	grading to 2.5Y 5/3	
8					**Poorly graded SAND with SILT (SP-SM)** interbedded with **SILT with CLAY (SC)** 2.5Y 5/3, moist, soft	3/8" bentonite pellets
9	5		11	0		
10						
11	6		12	0	**Poorly graded SAND with SILT (SP-SM)** 80-100% fine to med. sand, with trace to 20% silt, wet to saturated, 5YR 4/1, soft	▽
12						
13	7		10	0		#00N filter sand
14						5.0' PVC well screen, 0.010 slot
15	8		8	0		
16					**SILT with CLAY (SC)** 80% silt, 20% high plasticity fines, wet, soft, 5YR 4/1	PVC endcap
17					EOB at 16.2 fbgs	
18						
19						
20						

WELL_OVM ALL4.GPJ (2/02)

PROJECT: RG&E Property No. 1252
Pavilion, New York

Log of Well No. MW-2

BORING LOCATION: Western edge of site

TOP OF RISER ELEVATION: 935.60 fmsl

DATUM: NA

DRILLING CONTRACTOR: Nothnagle

DATE STARTED: 12/10/01

DATE FINISHED: 12/10/01

DRILLING METHOD: 4 1/4" HSA

TOTAL DEPTH: 14.5 fbgs

SCREEN INTERVAL: 9.0-14.0 fbgs

DRILLING EQUIPMENT: BK-81

DEPTH TO WATER: FIRST 8.5 ft | COMPL.

CASING: 2" dia. PVC

SAMPLING METHOD: 2" diameter stainless steel split spoons

LOGGED BY: MAC

HAMMER WEIGHT: NA

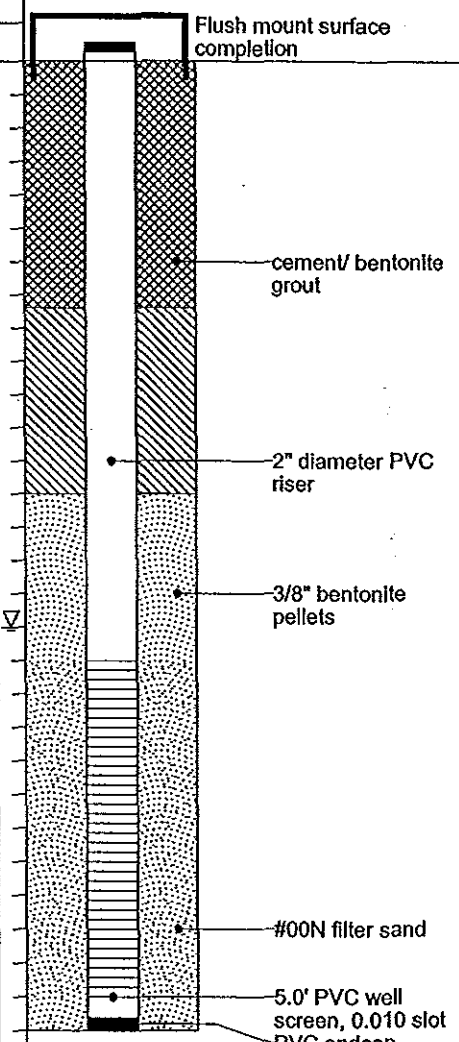
DROP: 140 lb. Autohammer

RESPONSIBLE PROFESSIONAL: Richard H. Frappa

REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/foot	OVM (ppm)	DESCRIPTION (NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.)
					Surface Elevation: fmsl
1	1		5	0	fine sand with silt and gravel (angular) dry, loose fill coal pieces, loose, dry (black)
2					
3	2		5	5	fine sand with silt, wood, coal, trace fine, subrounded gravel damp (fill)
4					
5	3		4	4	**Poorly graded SAND with SILT (SP-SM)** 80% fine sand, 20% silt, trace fine subrounded gravel, damp to moist, firm, 1 FOR GLEY 4/10Y
6					
7	4		10	0.2	**Poorly graded GRAVEL** 100% fine subangular gravel, moist, loose **SILT with CLAY (SC)** 50% silt, 50% med. plasticity fines, moist, hard, 10YR 4/1 **Poorly graded SAND with SILT (SP-SM)** 80% fine sand, 20% silt, saturated, soft, 5YR 4/1
8					
9	5		14	3	
10					
11	6		12	8	
12					
13	7		5	7	
14					
15					EOB at 14.5 fbgs
16					
17					
18					
19					
20					

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



WELL_OVM ALL4.GPJ (2/02)

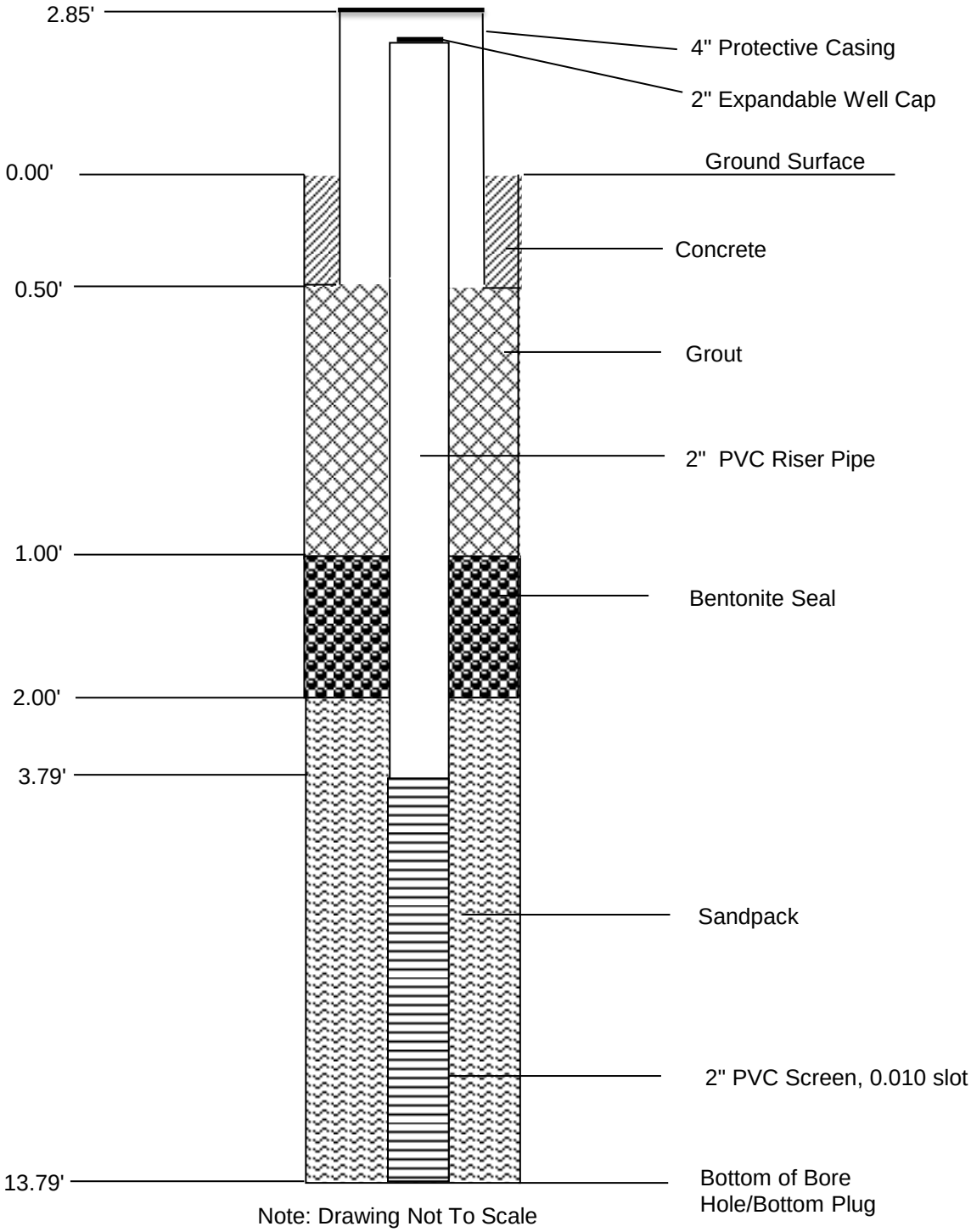
PROJECT: RG&E Property No. 1252 Pavilion, New York		**Log of Well No. MW-3**	
BORING LOCATION: Northwest corner of site		TOP OF RISER ELEVATION: 936.95 fmsl	DATUM: NA
DRILLING CONTRACTOR: Nothnagle		DATE STARTED: 12/10/01	DATE FINISHED: 12/10/01
DRILLING METHOD: 4 1/4" HSA		TOTAL DEPTH: 12.3 fbgs	SCREEN INTERVAL: 7-12 fbgs
DRILLING EQUIPMENT: BK-81		DEPTH TO WATER: FIRST 6 ft / COMPL.	CASING: 2"dia. PVC
SAMPLING METHOD: 2" diameter stainless steel split spoons		LOGGED BY: MAC	
HAMMER WEIGHT: NA	DROP: 140 lb. Autohammer	RESPONSIBLE PROFESSIONAL: Richard H. Frappa	REG. NO.

DEPTH (feet)	SAMPLES Sample No.	SAMPLES Sample	SAMPLES Blows/ foot	OVM (ppm)	DESCRIPTION NAME (USCS Symbol): color, moist, % by weight, plast., structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
					Surface Elevation: fmsl	
1	1		8	0.1	fine to medium sand with gravel, trace silt, trace to little coal (black)	
2					**Poorly graded SAND with SILT (SP-SM)** 70% fine sand, 30% silt, trace fine subrounded gravel, soft, damp to moist, 10YR 4/4	cement/ bentonite grout
3	2		13	8		
4						3/8" bentonite pellets
5	3		6	7	**Poorly graded SAND with GRAVEL (SP)** 90% med. sand, 10% fine subrounded gravel, loose, moist to saturated, 10YR 4/2	
6						2" diameter PVC riser
7	4		12	7		
8						
9	5		14	7	**Poorly graded SAND with SILT (SP-SM)** 80% fine to med. sand, 20% silt, soft, wet, 10YR 4/1	#00N filter sand
10						5.0' PVC well screen, 0.010 slot
11	6		10	5		
12						PVC endcap
13					EOB at 12.5 fbgs	
14						
15						
16						
17						
18						
19						
20						

NOTHNAGLE *DRILLING, INC.*

1821 Scottsville-Mumford Road
Scottsville, New York 14546
(585) 538-2328
Fax (585) 538-2357

Project: RG&E Property No. 1252
Pavilion, NY
Well No.: MW-4A



Note: Drawing Not To Scale

Contractor: TREC
Driller: Chad Britton
Oversight: DRD
Rig Type: Geoprobe

PROJECT NAME: Iberdrola
PROJECT Location: Pavilion, NY

BORING/ WELL NO. Page 2 of 2 **MW-05**
Location Description: North Side Central Near fence

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:			ft bls
Measured Water Level:	6.82		ft bls
Total Depth of Boring:	18.90		ft bls
Additional Comments:			

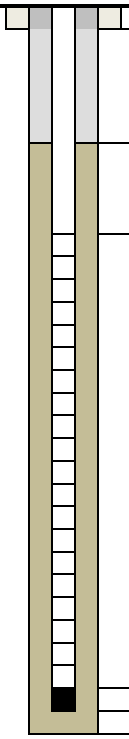
Date/Time Start: 10/28/15 0815
Date/Time Finish: 10/28/15 1045

Location Plan

X
Site

Sample Type	SPT	Recovery (ft)	PID HS (ppm)	USCS Symbol	Depth (ft bls)
					1
					2
					3
					4
					5
					6
					7
					8
					9
					10
					11
					12
					13
					14
					15
					16
					17
					18
					19
					20

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (Hand Auger)

MC=Macrocore

COMMENTS:

APPENDIX E – EXCAVATION WORK PLAN (EWP)

E-1 NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination or breach or alter the site's cover system, the Site owner (RG&E) or their representative will notify the NYSDEC contacts listed in the table below. Table E-1 includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of Site-related contact information is provided in **Appendix B**.

Table E-1: Notifications*

Jeremy Wolf 3 City Center Building, 5th Floor 180 South Clinton Avenue Rochester, New York 14604	585-450-7957 Jeremy_Wolf@avangrid.com
NYSDEC Project Manager: Justin Starr 625 Broadway Street Albany, NY 12233	518-402-9662 Justin.Starr@dec.ny.gov

* Note: Notifications are subject to change and will be updated as necessary.

This notification will include:

- A detailed description of the work to be performed, including the location and areal extent of excavation, plans/drawings for Site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated, any modifications of truck routes, and any work that may impact an engineering control;
- A summary of environmental conditions anticipated to be encountered in the work areas, including the nature and concentration levels of contaminants of

concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;

- A schedule for the work, detailing the start and completion of all intrusive work, and submittals (e.g., reports) to the NYSDEC documenting the completed intrusive work;
- A summary of the applicable components of this EWP;
- A statement that the work will be performed in compliance with this EWP and 29 CFR 1910.120;
- A copy of the contractor's health and safety plan (HASP), in electronic format;
- Identification of disposal facilities for potential waste streams; and

  Identification of sources of any anticipated backfill, along with all required request to import form and all supporting documentation including, but not limited to, chemical testing results.

- The NYSDEC project manager will review the notification and may impose additional requirements for the excavation that are not listed in this EWP. The alteration, restoration and modification of engineering controls must conform with Article 145 Section 7209 of the Education Law regarding the application professional seals and alterations.

E-2 SOIL SCREENING METHODS

Prior to starting excavation, planned excavation activities at the Site will be evaluated by the Site Owner in consultation with a qualified environmental professional to evaluate if excavation will occur in areas known to contain remaining residual contamination and/or the potential to encounter remaining residual contamination.

Visual, olfactory and instrument-based (e.g. photoionization detector) soil screening will be performed by a qualified environmental professional during all excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed when invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the COC.

Soils will be segregated based on previous environmental data and screening results into material that requires off-Site disposal and material that requires testing to determine if the material can be reused on-Site as soil beneath a cover or if the material can be used as cover soil. Further discussion of off-Site disposal of materials and on-Site reuse is provided in Section E-5 of this Appendix.

E-3 SOIL STAGING METHODS

Stockpiles of excavated material will, at minimum, be placed on top of polyethylene sheeting. If required by NYSDEC, stockpiles of excavated material shall be placed within an engineered staging area.

Stockpiles will be covered using polyethylene sheeting/tarps to reduce potential infiltration of precipitation, migration of wind-blown dust, and direct contact exposures. Stockpiles will be kept covered at all times with appropriately anchored tarps when not in use. The stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced. During soil disturbance activities, erosion and sedimentation control measures shall be employed in accordance with this EWP and in conformance with applicable laws and regulations (good work practices that require erosion and sedimentation control measures are not limited to potentially impacted areas). Proven soil conservation practices shall be incorporated in any such plans to mitigate soil erosion, off-Site sediment migration, and water pollution from erosion. Appropriate temporary erosion control measures (e.g., silt fencing, hay bales) shall be implemented and maintained around all impacted and potentially impacted soil/fill stockpiles and unvegetated soil surfaces during such activities. Such stockpiles shall be graded and compacted as necessary for positive surface water runoff and dust control. Hay bales will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by the NYSDEC.

E-4 MATERIALS EXCAVATION AND LOAD-OUT

A qualified environmental professional as defined in 6 NYCRR Part 375, a PE who is licensed and registered in New York State, or a qualified person who directly reports to a PE who is licensed and registered in New York State will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and remedial party (if applicable) and its contractors are responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the Site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under this SMP is posed by utilities or easements on the Site. A site utility stakeout will be completed for all utilities prior to any ground intrusive activities at the site.

Loaded vehicles leaving the Site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements). Trucks transporting contaminated soil must have either tight-fitting opaque covers that are secured on the sides and/or back, or opaque covers that are locked on all sides.

A truck wash will be operated on-Site, as appropriate. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the Site until the activities performed under this section are complete. Truck wash waters will be collected and disposed of off-Site in an appropriate manner.

Locations where vehicles enter or exit the Site shall be inspected daily for evidence of off-Site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the Site are clean of dirt and other materials derived from the Site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials. Material accumulated from the street cleaning and egress cleaning activities will be disposed off-site at a permitted landfill facility in accordance with all applicable local, State, and Federal regulations.

E-5 MATERIALS TRANSPORT OFF-SITE

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Material transported by trucks exiting the Site will be secured with either tight-fitting opaque covers that are secured on the sides and/or back, or opaque covers that are locked on all sides. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

All trucks loaded with Site materials will exit the vicinity of the Site using only the approved truck routes previously established in the RWP. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive Sites; (b) use of city mapped truck routes; (c) prohibiting off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project Site.

Egress points for truck and equipment transport from the Site will be kept clean of dirt and other materials during Site remediation and development.

Queuing of trucks will be performed on-Site in order to minimize off-Site disturbance. Off-Site queuing will be prohibited.

E-6 MATERIALS DISPOSAL OFF-SITE

All material excavated and removed from the Site where groundwater or soil impacts are observed by the qualified environmental professional monitoring the excavation will be treated as contaminated and regulated material and will be transported and disposed in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations. If disposal of material from this Site is proposed for unregulated off-Site disposal (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC project manager. Unregulated off-Site management of materials from this Site will not occur without formal NYSDEC project manager approval.

Off-Site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate (e.g. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C&D debris recovery facility). Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report and the report generated at the completion of excavation work. This documentation will include, but will not be limited to: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-Site will be handled, consistent with 6 NYCRR Parts 360, 361, 362, 363, 364 and 365.. Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State C&D debris recovery facility (6 NYCRR Subpart 361-5 registered or permitted facility).

E-7 MATERIALS REUSE ON-SITE

The qualified environmental professional, as defined in 6 NYCRR Part 375, will ensure that procedures defined for materials reuse in this SMP are followed and that unacceptable material (i.e. contaminated) does not remain on-Site. Contaminated on-Site material, including historic fill and contaminated soil, that is acceptable for reuse on-Site will be placed below the demarcation layer or impervious surface, and will not be reused within the cover system or within landscaping berms. Contaminated on-site material may only be used beneath the site cover as backfill for subsurface utility lines with prior approval from the DEC project manager.

Proposed materials for reuse on-site must be sampled for full suite analytical parameters including per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane. The sampling frequency will be in accordance with DER-10 Table 5.4(e)10 unless prior approval is obtained from the NYSDEC project manager for modification of the sampling frequency. The analytical results of soil/fill material testing must meet the site use criteria presented in NYSDEC DER-10 Appendix 5 – Allowable Constituent Levels for Imported Fill or Soil for all constituents listed, and the NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances November 2022 guidance values. Approvals for modifications to the analytical parameters must be obtained from the NYSDEC project manager prior to the sampling event.

Soil/fill material for reuse on-site will be segregated and staged as described in Sections E-2 and E-3 of this EWP. The anticipated size and location of stockpiles will be provided in the 15-day notification to the NYSDEC project manager. Stockpile locations will be based on the location of site excavation activities and proximity to nearby site features. Material reuse on-site will comply with requirements of NYSDEC DER-10 Section 5.4(e)4. Any modifications to the requirements of DER-10 Section 5.4(e)4 must be approved by the NYSDEC project manager.

Any demolition material proposed for reuse on-Site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-Site will not be performed without prior NYSDEC approval. Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the Site may only be reused on-site with written approval from the NYSDEC project manager.

E-8 FLUIDS MANAGEMENT

All liquids to be removed from the Site, including but not limited to, excavation dewatering, decontamination waters and groundwater monitoring well purge and development waters, will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the Site, and will be managed off-Site, unless prior approval is obtained from NYSDEC.

Discharge of water generated during large-scale construction activities to surface waters (i.e. a local pond, stream or river) will be performed under a SPDES permit.

E-9 COVER SYSTEM RESTORATION

After the completion of soil removal and any other invasive activities the cover system will be restored in a manner that complies with the specifications of the RWP and decision document. The existing cover system is comprised of a minimum of 12 inches of crushed stone and the concrete slabs of the four existing Site buildings. The demarcation layer, consisting geotextile fabric will be replaced to provide a visual reference to the top of the remaining contamination zone, the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in this SMP. If the type of cover system changes from that which exists prior to the excavation (i.e., 12 inches of crushed stone is replaced by asphalt), this will constitute a modification of the cover element of the remedy and the upper surface of the remaining contamination. A figure showing the

modified surface will be included in the subsequent Periodic Review Report (PRR) and the report generated at the completion of excavation work and the SMP will be updated and revised as applicable. The alteration, restoration and modification of engineering controls must conform with Article 145 Section 7209 of the Education Law regarding the application professional seals and alterations.

E-10 BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the Site will be approved by the qualified environmental professional and will be in compliance with provisions in this SMP prior to receipt at the Site. A Request to Import/Reuse Fill or Soil form, which can be found at http://www.dec.ny.gov/regulations/67386.html, will be prepared and submitted to the NYSDEC project manager allowing a minimum of 5 business days for review.

Material from industrial Sites, spill Sites, or other environmental remediation Sites or potentially contaminated Sites will not be imported to the Site.

All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d) and DER-10 Appendix 5 for commercial use. Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria, the resulting soil quality standards will be those meeting the Restricted Use - Commercial SCOs listed in Appendix 5 of DER-10. Soils that meet ‘exempt’ fill requirements under 6 NYCRR Part 360.13, but do not meet backfill or cover soil objectives for this Site, will not be imported onto the Site without prior approval by NYSDEC project manager. Soil material will be sampled for the full suite of analytical parameters, including PFAS and 1, 4-dioxane. Solid waste will not be imported onto the Site.

Trucks entering the Site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

E-11 STORMWATER POLLUTION PREVENTION

During excavation, appropriate storm water and erosion control facilities shall be installed. Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by the NYSDEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional.

All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials.

Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the SMP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

Silt fencing or hay bales will be installed around the entire perimeter of the construction area.

E-12 EXCAVATION CONTINGENCY PLAN

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition. The NYSDEC project manager will be promptly notified of the discovery.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of analytes (TAL metals; TCL volatiles and semi-volatiles (including 1,4-dioxane), TCL pesticides and PCBs, and PFAS), unless the Site history and previous sampling results provide a sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC project manager for approval prior to sampling. Any tanks will be closed as per NYSDEC regulations and guidance.

Identification of unknown or unexpected contaminated media identified by screening during invasive Site work will be promptly communicated by phone within two hours to NYSDEC's Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will be also included in the Periodic Review Report.

E-13 COMMUNITY AIR MONITORING PLAN

Excavation activities at the Site shall be managed as described in Section E-2 of this EWP. The CAMP will only be implemented if excavation is performed in areas identified to contain known remaining residual contamination or the potential to encounter remaining residual contamination.

When monitoring is required, one upwind monitoring station and two or more downwind air monitoring stations will be employed. Downwind air monitoring stations will be Placed at the property line(s) between the work area and the nearest occupied property. The locations will be determined in the field based on the location of the work, the wind direction, and the location of the most sensitive receptors. These locations will be adjusted on a daily or more frequent basis based on actual wind directions to provide an upwind and at least two downwind monitoring stations.

Exceedances of action levels listed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers.

E-13A: 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 part-per-million, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be pre-determined). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.

- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 micrograms per cubic meter, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 micrograms per cubic meter 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.

E-13B: Special Requirements for Indoor Work with Co-Located Residences or Facilities

Unless a self-contained, negative-pressure enclosure with proper emission controls will encompass the work area, all individuals not directly involved with the planned work must be absent from the room in which the work will occur. Monitoring requirements shall be as stated above under "Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures" except that in this instance "nearby/occupied structures" would be adjacent occupied rooms. Additionally, the location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, should be understood and the monitoring locations established accordingly. In these situations, it is strongly recommended that exhaust fans or other engineering controls be used to create negative air pressure within the work area during remedial activities. Additionally, it is strongly recommended that the planned work be implemented during hours (e.g. weekends or evenings) when building occupancy is at a minimum.

E-14 ODOR CONTROL PLAN

This odor control plan is capable of controlling emissions of nuisance odors off-Site and on-Site. Specific odor control methods to be used on a routine basis shall be described in the CAMP. If nuisance odors are identified at the Site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the remedial party's Remediation Engineer, and any measures that are

implemented will be discussed in the Periodic Review Report and the report generated at the completion of excavation work.

All necessary means will be employed to prevent on- and off-Site nuisances. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; (e) use of chemical odorants in spray or misting systems (such as Biosolve); and, (f) use of staff to monitor odors in surrounding neighborhoods.

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-Site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting/filtering systems.

E-15 DUST CONTROL PLAN

Particulate monitoring must be conducted according to the Community Air Monitoring Plan (CAMP) provided in Section E-13. If particulate levels at the site exceed the thresholds listed in the CAMP or if airborne dust is observed on the site or leaving the site, the dust suppression techniques listed below will be employed. The remedial party will also take measures listed below to prevent dust production on the site.

A dust suppression plan that addresses dust management during invasive on-Site work will include, at a minimum, the items listed below:

- Dust suppression will be achieved through the use of a dedicated on-Site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing of larger Sites will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.

- Gravel will be used on roadways to provide a clean and dust-free road surface.
- On-Site roads will be limited in total area to minimize the area required for water truck sprinkling.

E-16 OTHER NUISANCES

A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.

The Site is fenced, preventing pedestrians from entering work areas. Temporary fencing must be deployed around any excavations, stockpiles, or other work areas.

APPENDIX F
QUALITY ASSURANCE PROJECT PLAN

Quality Assurance Project Plan (QAPP)

Rochester Gas and Electric Corporation (RG&E) Pavilion Former Manufactured Gas Plan (MGP) Site

Pavilion, New York

Site No. 819024

December 2019

NEU-VELLE LLC

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NEU-VELLE QUALITY ASSURANCE PROJECT PLAN

This Quality Assurance Project Plan (QAPP) identifies the procedures necessary for an efficient data collection and analysis program for the work being implemented at the Rochester Gas and Electric Corporation (RG&E) Pavilion Former Manufactured Gas Plan (MGP) Site (the Site) located in Pavilion, New York (Site No. 819024).

Goals and Objectives

The objective of the QAPP is to establish criteria/process (Data Quality Objective [DQO] Process) for the quality of data collection. The DQO consists of the following steps:

- **Step 1** - State the Problem
    - A Site Management Plan (SMP) associated with an Environmental Easement requires a groundwater quality evaluation to be performed at the Site to monitor for MGP-associated impacts following the completion of a remedial action performed at the Site.
- **Step 2** - Identify the Goals of the Study
    - Evaluate groundwater quality to monitor for presence and concentrations of volatile and semi-volatile organic compounds (VOCs and SVOCs, resp.) that may remain at the Site.
- **Step 3** - Identify Information Inputs
    - Analytical results from on-Site groundwater.
- **Step 4** -Define the Boundaries of the Study
    - The Environmental Easement, part of the Site Management Plan, identifies the boundaries of the Site.
- **Step 5** - Develop the Analytic Approach
    - Groundwater sampling will be performed at the Site during the monitoring period, as described in Section 4.3 of the SMP.
- **Step 6** - Specify Performance or Acceptance Criteria
    - Data will be of sound quality and considered complete in order to be used for the purposes of this QAPP.
- **Step 7** - Develop the Plan for Obtaining Data
    - The on-Site groundwater samples will be collected and analyzed as described in the SMP, Field Sampling and Analysis Plan (FSAP), and QAPP.

This QAPP is specifically intended for guiding the conduct of NEU-VELLE LLC (NEU-VELLE) employees during field activities. Although this QAPP can be made available to interested persons for informational purposes, NEU-VELLE does not assume responsibility for the interpretations or activities of any persons or entities other than employees of NEU-VELLE.

Project Organization

Personnel involved in the remediation activities at the Site implicitly have a part in implementing the QAPP. The Project Manager/Site Supervisor have specifically designated responsibilities as identified within this QAPP.

Name/Affiliation	Address	Contact Information
RG&E		
Mr. Jeremy Wolf Project Manager	89 East Avenue, 7th Floor Rochester, New York 14649	T: 585.500.8392 Jeremy_wolf@rge.com
New York State Department of Environmental Conservation (NYSDEC)		
Mr. Justin Starr Project Manager	625 Broadway, 11th Floor Albany, NY 12233-7017	T: 518.402.9662 justin.starr@dec.ny.gov
New York State Department of Health (NYSDOH)		
Mr. Anthony Perretta	Empire State Plaza, Corning Tower, Room 1787 Albany, NY 12237	T: 518.402.7860 anthony.perretta@health.ny.gov

Paradigm Environmental Services (Paradigm) will analyze samples collected during implementation of the field activities.

Sample Handling Procedures

The following sample handling procedures will be performed by NEU-VELLE employees during field activities. The sample handling procedures will be used to meet the goals and objectives identified above.

Water Sampling

Prior to collecting each sample, the field sampling technical will don new disposable nitrile sampling gloves. Each water sample will be collected in a fashion to limit aeration of the sample. If preservative is present in a sample container, the container will not be overfilled.

- Sample bottles shall be kept on ice in a cooler until needed and then promptly returned to the cooler after collection. Sample containers, volumes, preservatives, and holding times are specified in the QAPP. Transfer samples directly from bailer to laboratory container.
- If VOCs are being analyzed, fill the VOC containers first, fill with zero headspace, and then cap securely.
- Record the appearance of the water on a field form along with other visual and/or olfactory observations.
- Do not allow samples to freeze.
- Record the date and time on both the sample container and chain of custody.

Samples will be submitted under chain of custody to a NYSDOH ELAP-certified analytical laboratory (*i.e.*, Paradigm located in Rochester, New York).

Analytical Methods and Procedures

The laboratory analytical methods, analyses, and Quality Assurance/Quality Control (QA/QC) to be used for this project are presented on **Table 1**. The analyses are summarized by category below.

Groundwater Quality Evaluation

Groundwater samples will be analyzed for the following:

- Total VOCs, BTEX only (benzene, toluene, ethylbenzene, and xylene) using USEPA Method 8260
- Total SVOCs, PAHs only, using USEPA Method 8270

Quality Assurance/Quality Control

As identified on **Table 1**, QA/QC samples will be collected for samples for each parameter. The QA/QC samples will include field duplicates, matrix spike/matrix spike duplicates, and equipment blanks. Temperature blanks will be included in each cooler. Trip blanks will be included in each cooler containing VOC samples. The QA/QC samples will be collected to evaluate data quality.

Field Duplicates

Field duplicates will be collected at a frequency of one per 10 samples per media, or one per media for less than 10 samples (as presented on **Table 1**). Field duplicates will be collected in the same manner as the original samples. Field duplicates are used to evaluate the analytical laboratory's precision performance and field sample collection precision procedures. Field duplicates will be submitted to the laboratory blind (with differing sample identification).

MS/MSD

MS/MSD samples will be collected at a frequency of one per 20 samples per media, or one per media for less than 20 samples (as presented on **Table 1**). MS/MSD samples will be collected in the same manner as the original samples. The analytical laboratory will spike the MS/MSD samples with the complete list of target analytes during sample preparation.

Equipment Blanks

Equipment blanks will be collected at a frequency of one per 10 samples per media, or one per media for less than 10 samples (as presented on **Table 1**). Equipment blanks are used to evaluate sampling procedures, tool decontamination procedures, and shipment. Analyte-free water and appropriate preservative, if any, will be transferred through and/or across the field-decontaminated sampling device to sample containers for laboratory analysis.

Trip Blanks

One trip blank per cooler containing VOC samples will be submitted for analysis. Trip blanks, containing analyte-free water and appropriate preservative, will be evaluated to determine if contamination has occurred during sample shipment and/or handling. Trip blanks will be provided by the laboratory and prepared using the same techniques as sample bottle preparation.

Temperature Blanks

Temperature blanks consist of water vials shipped with samples to verify internal cooler temperatures upon receipt by the analytical laboratory.

Instrument Calibration Procedures

Field Instruments

Field instruments will be calibrated per the manufacturer's instructions prior to each day's use. More frequent calibration may be needed depending on weather conditions. Calibration records will be maintained within with the field notebook(s).

Laboratory Instruments

The analytical laboratory will use the appropriate calibration procedures as described in USEPA Method SW-846 and NYSASP. The laboratory will use calibration standards, surrogates, and the above-mentioned QA/QC samples as part of the QA for this project. Laboratory quantitation limits for the selected analyses are provided in **Table 2**.

Chain of Custody Procedures

Chain of custody procedures will be followed throughout the field investigation by both NEU-VELLE and the laboratory. Chain of custody procedures include field/laboratory custody and final evidence files. NEU-VELLE employees will document samples from collection in the field, storage/possession by field staff (physical possession, in locked vehicle or secure area), submittal to the analytical laboratory, and obtainment of analytical results.

Field sampling staff will also be documented on the chains of custody. Other documentation to be noted on each chain of custody includes shipping method, shipping air bill number, and cooler identification. NEU-VELLE will retain a triplicate copy of each chain of custody completed.

Sample Containers and Storage

Paradigm will supply appropriate sample containers for samples in coolers as well as appropriate preservatives as presented in **Table 1**.

Immediately after collection, samples will be transferred to properly labeled and preserved sample containers. **Table 1** lists the proper sample container, volumes, preservation, and holding times.

Samples will be transferred to pre-chilled coolers packed with ice or ice packs and maintained at an internal cooler temperature of 4 °C ±2 °C.

Documentation

Field personnel will provide documentation covering field sampling, laboratory analysis, and sample chain of custody. A field book will be maintained by field personnel to document activities performed at the Site and will consist of the following:

- Sample locations, sample IDs, observations, and weather conditions will be recorded
- Field instrumentation calibration will be recorded.

Sample Transportation and Laboratory Custody

Samples will remain in the custody of the sampler until transfer of custody is completed. Transfer consists of delivery of samples to the laboratory sample receiving department or laboratory courier; signature of sampler relinquishing custody of samples; and signature of laboratory sample receiving department or laboratory courier. Each cooler shipped will have a custody seal affixed with tape. A broken custody seal prior to arrival at the analytical laboratory

may indicate tampering. If tampering is observed, the laboratory will notify NEU-VELLE immediately and the samples will not be analyzed.

Data Deliverables

Analytical data will be provided in electronic PDF format. NEU-VELLE will maintain analytical results in tabular summary format that compares the results to the appropriate Standards, Criteria, and Guidance Values (SCGVs).

The laboratory will provide a NYSASP Category A data deliverable for groundwater samples. The analytical data from these samples will not require a Data Usability Summary Report (DUSR).

For Category A data deliverables, a case narrative will be prepared by the laboratory and included with the analytical reports (including chains of custody). Data packages will be provided by the laboratory within 30 days of receipt of each sample delivery group (SDG).

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Table 1 Sample Analysis								
Parameter (Method)	**Matrix**	**Sample Containers and Volumes**	**Preservation**	**Holding Times**	**Field Duplicate**	**Trip Blank**	**MS/MSD and Spike Duplicate**	**Equipment Blank**
VOCs (USEPA Method 8260)	Water	2-40 mL glass vials with Teflon®-lined lid	≤6°C (4°C is ideal); Sealed and Headspace Free; HCL	At laboratory within 48 hours of collection; 14 days from collection to analysis	One per 10 samples	1 each in cooler with VOC samples	One per 20 samples	One per 10 samples
SVOCs (USEPA Method 8270)	Water	2-one liter amber glass containers with Teflon®-lined lid	≤6°C (4°C is ideal)	14 days from collection to analysis	One per 10 samples	NA	One per 20 samples	One per 10 samples

NOTES:

MS/MSD indicates matrix spike/matrix spike duplicate sample for organic analyses. Spike duplicate may be performed for inorganic analyses.

NA indicates Not Applicable.

VOCs indicate volatile organic compounds.

SVOCs indicates semi-volatile organic compounds.

USEPA indicates United States Environmental Protection Agency.

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Table 2 Parameters, Laboratory Limits, and Regulatory Limits for Groundwater Sampling				
Target Analyte	**Units**	**Laboratory Water QLs**	**Laboratory Water MDLs**	**NYSDEC TOGS 1.1.1 Class GA Standards and Guidance Values (µg/L)**
VOCs (BTEX only)				
Benzene	µg/L	0.7	0.225	1
Ethylbenzene	µg/L	2.0	0.390	5
m-Xylene and p-Xylene	µg/L	2.0	0.921	5
o-Xylene (1,2-xylene)	µg/L	2.0	0.561	5
Toluene	µg/L	2.0	0.507	5
SVOCs (PAHs only)				
2-Methylnaphthalene	µg/L	10	TBD	NC
Acenaphthene	µg/L	10.0	1.91	20
Acenaphthylene	µg/L	10.0	1.96	NC
Anthracene	µg/L	10.0	1.68	50
Benz(a)anthracene	µg/L	10.0	1.73	0.002
Benzo(a)pyrene	µg/L	10.0	1.56	ND
Benzo(b)fluoranthene	µg/L	10.0	1.57	0.002
Benzo(g,h,i)perylene	µg/L	10.0	1.05	NC
Benzo(k)fluoranthene	µg/L	10.0	1.75	0.002
Chrysene	µg/L	10.0	1.54	0.002
Dibenz(a,h)anthracene	µg/L	10.0	1.39	NC
Fluoranthene	µg/L	10.0	1.59	50
Fluorene	µg/L	10.0	1.92	50
Indeno(1,2,3-cd)pyrene	µg/L	10.0	2.40	0.002
Naphthalene	µg/L	10.0	1.80	10
Phenanthrene	µg/L	10.0	1.71	50
Pyrene	µg/L	10.0	1.67	50

Notes:

1. QLs indicates quantitation limits.
2. MDLs indicate method detection limits.
3. µg/L indicates microgram per liter.
4. mg/L indicates milligram per liter.
5. MDLs and QLs provided by Paradigm, current as of April 2019.
6. NA indicates not applicable.
7. VOCs indicates volatile organic compounds (via United States Environmental Protection Agency [USEPA] Method 8260).
8. SVOCs indicates semi-volatile organic compounds via USEPA Method 8270.
9. TBD indicates MDL and QL are to be determined.

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APPENDIX G
SITE MANAGEMENT FORMS

NEU-VELLE LLC

SITE-WIDE INSPECTION FORM

RG&E Pavilion Former MGP Site

Date:_____ Time:_____

Weather Conditions:_____

Temperature:_____ Precipitation:_____

Personnel and Company:_____

_____

Signatures:_____

Has ownership of the property changed since the last inspection? Yes / No

_____

_____

Are Institutional Controls/Engineering Controls (IC/ECs) in place and effective? Yes / No

If not, explain why.

_____

_____

Are there any changes to the Site use that would affect the SMP or IC/ECs? Yes / No

_____

_____

Is the Site used for vegetable gardens or agricultural purposes? Yes / No

_____

_____

Is native soil, the geotextile fabric demarcation layer, or other signs of MGP impact (sheens, staining, tar-like material) visible? Yes / No

Is the site cover intact (i.e., no visible sign of excavations, erosion, damage)? Yes / No

Is groundwater used as a potable water source? Yes / No

Are there any site changes (either surface or subsurface) since the last inspection event? Yes / No

Photographs taken? Yes / No

Are there any fencing changes since the last inspection event? Yes / No

APPENDIX H
FIELD SAMPLING AND ANALYSIS PLAN

Field Sampling and Analysis Plan (FSAP)

Rochester Gas & Electric (RG&E) Pavilion Former Manufactured Gas Plan (MGP) Site

Rochester, New York

Site No. 819024

December 2019

NEU-VELLE LLC

NEU-VELLE FIELD SAMPLING AND ANALYSIS PLAN

This Field Sampling and Analysis Plan (FSAP) has been developed by NEU-VELLE LLC (NEU-VELLE) to outline procedures to be followed during implementation of groundwater sampling activities at the Rochester Gas & Electric (RG&E) Pavilion Former Manufactured Gas Plant (MGP) (the "Site") located in Pavilion, New York (Site No. 819024). The work is being performed as outlined in the New York State Department of Environmental Conservation (NYSDEC) Site Management Plan (SMP), specifically Section 4.3.

1. FIELD ACTIVITIES

The field activities shall include:

- field instrumentation calibration;
- field documentation;
- monitoring well development (as needed);
- groundwater sampling; and
- decontamination (personal and equipment).

2. PROCEDURES FOR FIELD ACTIVITIES

2.1 Field Instruments and Calibration

Field analytical equipment will be calibrated daily prior to use. The calibration procedures will conform to manufacturer's standard instructions. Calibration will be conducted in accordance with manufacturer's instructions such that the equipment is functioning within the allowable tolerances established by the manufacturer and required by the project. Instrument calibrations will be documented in the project field book and/or field calibration logs.

2.2 Field Log Books and Daily Field Reports

Field activities will be documented in field log books to provide a record of the activities conducted. Entries will be of sufficient detail that a complete daily record of significant events, observations, and measurements as developed. A summary of daily Site activities will be provided to RG&E on daily field reports provided at the end of each day.

2.3 Monitoring Well Development

The five, existing on-Site groundwater monitoring wells will be developed using bailing and surging techniques. The existing groundwater monitoring wells will be developed to:

- Remove fine-grained materials from the sand pack and formation;
- Reduce the turbidity of groundwater samples; and
- Increase the yield of the groundwater monitoring well.

Monitoring well development will consist of removing five well volumes using either a dedicated polyethylene bailer or pump. Groundwater quality parameters, and water levels (measured to the nearest 0.01 ft.) will be recorded before, during, and after monitoring well development.

Monitoring well development will continue until turbidity measurements are less than 50 nephelometric turbidity units (NTUs).

Extracted groundwater will be containerized in 55-gallon steel drums for future characterization and disposal.

Groundwater Sampling Procedures will be performed as described in Section 2.3.

2.4 Groundwater Sampling Protocols

- Prior to collecting each sample, the field sampling technical will don new disposable nitrile sampling gloves.

- Each sample will be collected using low-flow sampling techniques.
- Each water sample will be collected in a fashion to limit aeration of the sample.
- If preservative is present in a sample container, the container will not be overfilled.
- Sampling equipment will be decontaminated prior to use at each monitoring well.
- Static water level and light non-aqueous phase liquid (LNAPL) thickness will be measured to the nearest 0.01 ft. from the top of PVC casing prior to sampling.
- Groundwater quality probes and/or meters will be calibrated to factory specifications prior to use.
- The intake of the submersible bladder pump will be positioned near the approximate center of the well screen. The flow rate will be maintained between 100 milliliters (mL) to no greater than 500 mL. A flow rate will be used as to not exceed a water level drawdown of greater than 0.3 ft.
- Measurements shall be recorded approximately every 3 minute to 5 minute interval.
- Turbidity measurements shall be collected from a valved sampling port located before the flow-through cell.
- Purging of each monitoring well will continue until equilibration of water quality parameters are met as follows:

o Temperature	±3% of measurement
o pH	±0.1 pH units
o Specific conductivity	±3% of measurement
o Oxidation-Reduction Potential (ORP)	±10mV
o Dissolved oxygen (DO)	±10% of measurement
o Turbidity	±10% of measurement

- Groundwater sampling will commence upon reaching stabilization of the above parameters. However, if the water parameters do not reach stabilization, the monitoring well(s) will be pumped to near dryness, allowed to recharge to sufficient volume to fill the required sampling bottles, and then sampling can commence. Groundwater samples shall be collected directly from the tubing prior to entry to the flow-through cell. If sample bottles contain preservatives, the container will not be overfilled.
- Properly labeled sample bottles will be maintained as described in the QAPP and will follow appropriate chain of custody protocols. Appropriately preserved sample bottles will be used depending on the parameter(s) to be analyzed for.
- Sample bottles shall be kept on ice in a cooler until needed and then promptly returned to the cooler after collection. Sample containers, volumes, preservatives, and holding times are specified in the QAPP. Transfer samples directly from bailer to laboratory container.
- If VOCs are being analyzed, fill the VOC containers first, fill with zero headspace, and then cap securely.
- Record the appearance of the water on a field form along with other visual and/or olfactory observations.
- Do not allow samples to freeze.
- Record the date and time on both the sample container and chain of custody.

- Samples will be submitted under chain of custody to a NYSDOH ELAP-certified analytical laboratory (*i.e.*, Paradigm located in Rochester, New York).
- Chain of custody protocols will be followed as outlined in the QAPP.

The sampling log presented as **Attachment A** will be used during low-flow sampling.

2.5 Decontamination

2.5.1 Sampling Equipment Decontamination

Prior to sampling, the non-dedicated sampling equipment will be washed with potable water and soapy water (*e.g.*, Alconox). Decontamination may take place at the sampling location as long as all liquids are contained in pails, buckets, etc.

The sampling equipment will then be rinsed with potable water. Equipment can be placed on polyethylene sheets or aluminum foil, if necessary. At no time will washed equipment be placed directly on the ground.

Wastewater generated during sampling equipment cleaning activities shall be consolidated with the bulk construction water for off-Site treatment/disposal. If residual materials (*e.g.*, visually staining, hard tar, etc.) remain following these removal/cleaning efforts, the need for additional decontamination measures and/or the use of disposable sampling equipment will be evaluated.

2.5.2 Personnel Decontamination

All personnel leaving the Site will undergo decontamination prior to leaving the Site. Dirt or other foreign materials that are visible will be removed from footwear and clothing surfaces. Scrubbing with a brush may be required to remove materials that adhere to the surfaces.

Disposable protective equipment generated during the field activities will be containerized in plastic bags and disposed off-site at a sanitary landfill.

Personnel will wash hands thoroughly prior to eating or drinking in the support zone.

2.6 References

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

Attachment A
Low-Flow Sampling Log

NEU-VELLE LLC

NEU-VELLE, LLC — Low Flow Ground Water Sampling Log

Date _____ Personnel _____ Weather _____

Site Name _____ Evacuation Method _____ Well # _____

Site Location _____ Sampling Method _____ Project # _____

Well information:

Depth of Well * _____ ft. * Measurements taken from

Depth to Water * _____ ft. _____ Top of Well Casing

Length of Water Column _____ ft. _____ Top of Protective Casing

_____ (Other, Specify)

Start Purge Time: _____

Elapsed Time ( )	Depth To Water ( )	Temperature ( )	pH	Conductivity ( )	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).

End Purge Time: _____

Water sample:

Time collected: _____ Total volume of purged water removed: _____

Physical appearance at start — Physical appearance at sampling

Color _____ Color _____

Odor _____ Odor _____

Sheen/Free Product _____ Sheen/Free Product _____

Field Test Results:

Dissolved ferrous iron: _____

Dissolved total iron: _____

Dissolved total manganese: _____

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

APPENDIX I

ENVIRONMENTAL FOOTPRINT ANALYSIS SUMMARY

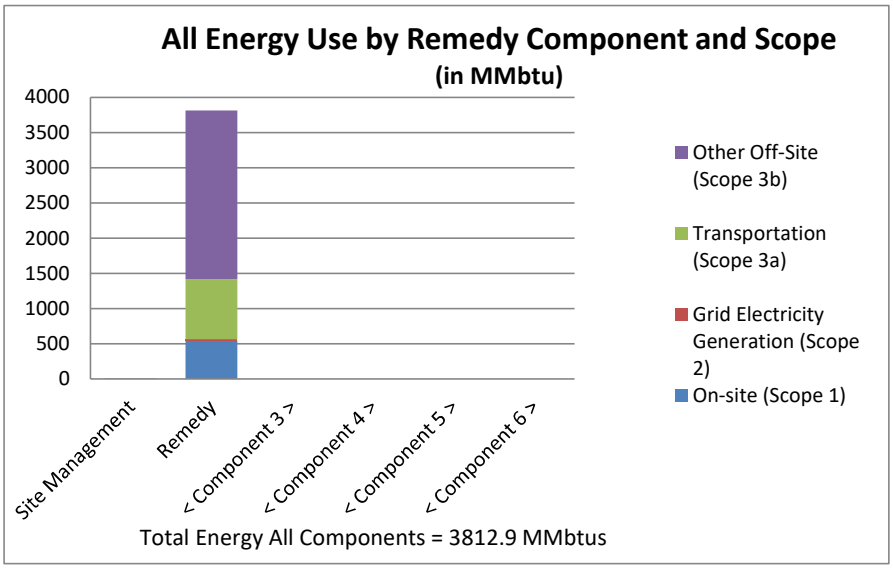
Environmental Footprint Summary

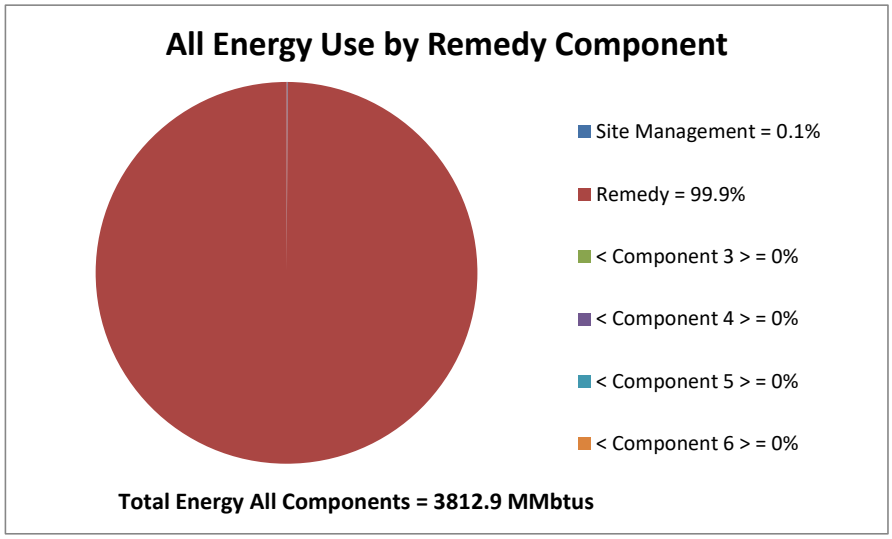
Core Element	Metric		Unit of Measure	Footprint						
				Site Management	Remedy	< Component 3 >	< Component 4 >	< Component 5 >	< Component 6 >	Total
Materials & Waste	M&W-1	Refined materials used on-site	Tons	0.0	4.8	0.0	0.0	0.0	0.0	4.8
	M&W-2	% of refined materials from recycled or reused material	%		0.0%					0.0%
	M&W-3	Unrefined materials used on-site	Tons	0.000	10,633.910	0.000	0.000	0.000	0.000	10,633.9
	M&W-4	% of unrefined materials from recycled or reused material	%		0.0%					0.0%
	M&W-5	On-site hazardous waste disposed of off-site	Tons	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	M&W-6	On-site non-hazardous waste disposed of off-site	Tons	0.0	9,123.0	0.0	0.0	0.0	0.0	9,123.0
	M&W-7	Recycled or reused waste	Tons	0.0	372.7	0.0	0.0	0.0	0.0	372.7
	M&W-8	% of total potential waste recycled or reused	%		3.9%					3.9%
Water (used on-site)	W-1	Public water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-2	Groundwater use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-3	Surface water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-4	Reclaimed water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-5	Storm water use	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-6	User-defined water resource #1	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-7	User-defined water resource #2	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	W-8	Wastewater generated	MG	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Energy	E-1	Total energy used (on-site and off-site)	MMBtu	3.7	3,809.2	0.0	0.0	0.0	0.0	3,812.9
	E-2	Energy voluntarily derived from renewable resources								
	E-2A	On-site renewable energy generation or use + on-site biodiesel use + biodiesel and other renewable resource use for transportation	MMBtu	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-2B	Voluntary purchase of renewable electricity	MWh	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-3	Voluntary purchase of RECs	MWh	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	E-4	On-site grid electricity use	MWh	0.000	2.400	0.000	0.000	0.000	0.000	2.4
Air	A-1	On-site NOx, SOx, and PM emissions	Pounds	0.1	511.8	0.0	0.0	0.0	0.0	511.9
	A-2	On-site HAP emissions	Pounds	0.0	0.2	0.0	0.0	0.0	0.0	0.2
	A-3	Total NOx, SOx, and PM emissions	Pounds	3.5	7,854.7	0.0	0.0	0.0	0.0	7,858.2
	A-3A	Total NOx emissions	Pounds	3.1	3,051.6	0.0	0.0	0.0	0.0	3,054.7
	A-3B	Total SOx emissions	Pounds	0.2	980.6	0.0	0.0	0.0	0.0	980.8
	A-3C	Total PM emissions	Pounds	0.2	3,822.5	0.0	0.0	0.0	0.0	3,822.7
	A-4	Total HAP emissions	Pounds	0.1	51.4	0.0	0.0	0.0	0.0	51.5
	A-5	Total greenhouse gas emissions	Tons CO2e*	0.3	278.1	0.0	0.0	0.0	0.0	278.3
Land & Ecosystems	Qualitative Description									

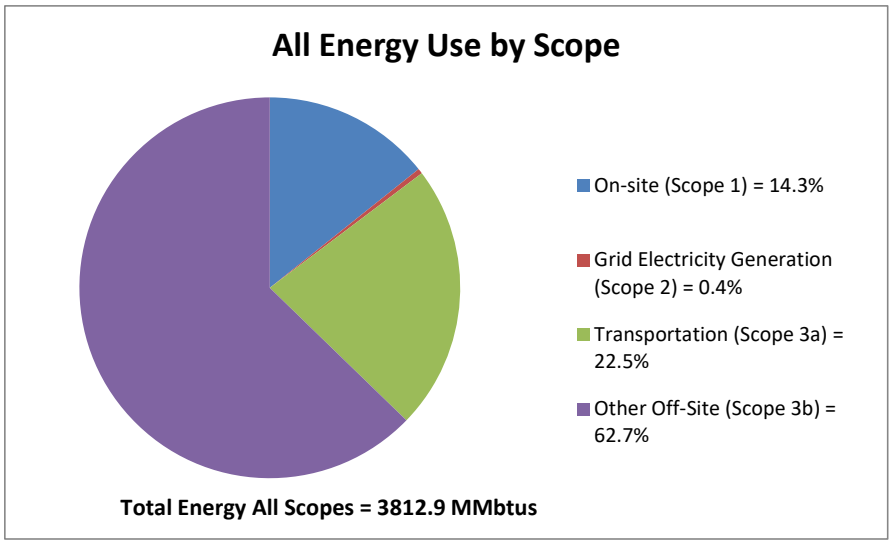
** Total greenhouse gases emissions (in CO2e) include consideration of CO2, CH4, and N2O (Nitrous oxide) emissions.*
"MMBtu" = millions of Btus
"MG" = millions of gallons
"CO2e" = carbon dioxide equivalents of global warming potential
"MWh" = megawatt hours (i.e., thousands of kilowatt-hours or millions of Watt-hours)
"Tons" = short tons (2,000 pounds)

The above metrics are consistent with EPA's Methodology for Understanding and Reducing a Project's Environmental Footprint (EPA 542-R-12-002), February 2012

Notes:


All Energy Use by Remedy Component and Scope
(in MMbtu)
4000
3500
3000
2500
2000
1500
1000
500
0
Site Management
Remedy
< Component 3 >
< Component 4 >
< Component 5 >
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
Total Energy All Components = 3812.9 MMbtus


All Energy Use by Remedy Component
Site Management = 0.1%
Remedy = 99.9%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%
Total Energy All Components = 3812.9 MMbtus


All Energy Use by Scope
On-site (Scope 1) = 14.3%
Grid Electricity Generation (Scope 2) = 0.4%
Transportation (Scope 3a) = 22.5%
Other Off-Site (Scope 3b) = 62.7%
Total Energy All Scopes = 3812.9 MMbtus

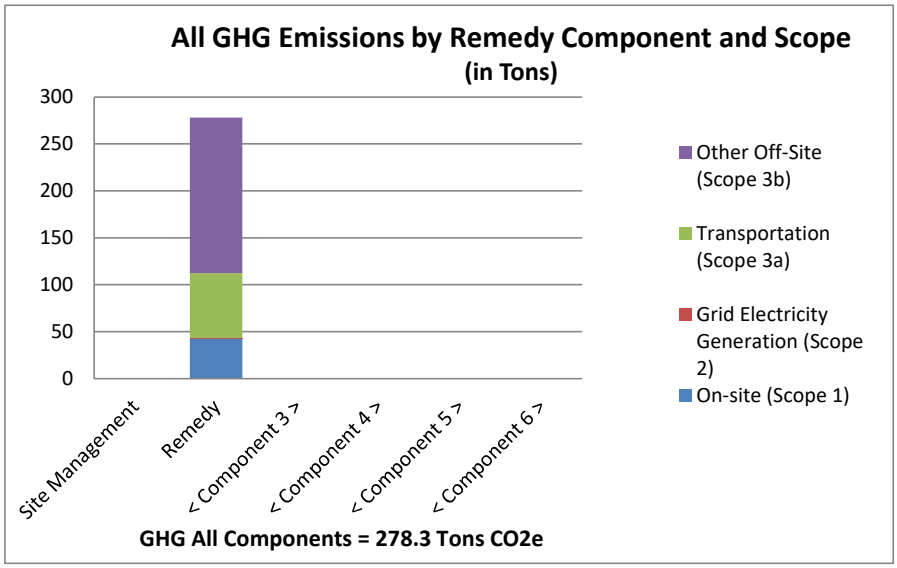
Total Energy
MMbtus

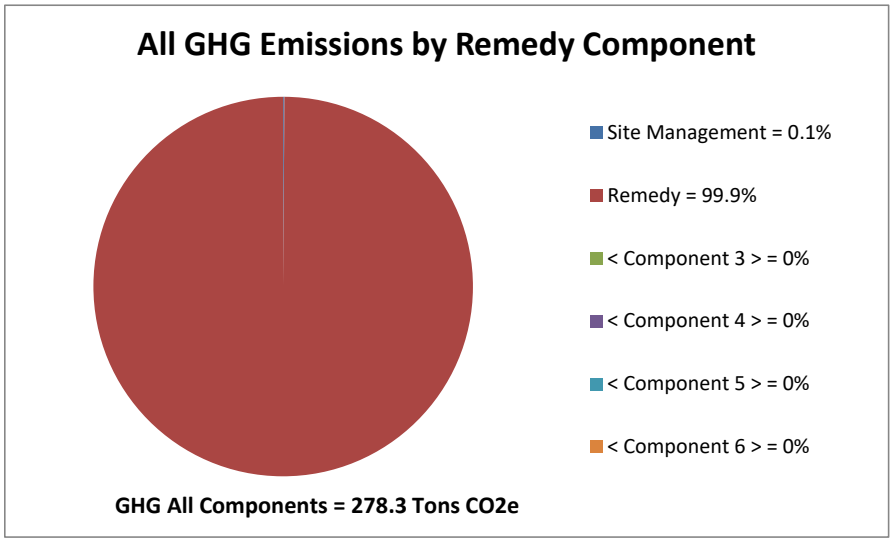
	Site Manag	Remedy	< Compone	< Compone	< Compone	< Compone	Total	
On-site (Scope 1)	0.0	544.6	0.0	0.0	0.0	0.0	544.7	
Generation (Scope 2)	0.0	16.6	0.0	0.0	0.0	0.0	16.6	d Electricity
nsportation (Scope 3a)	3.1	856.5	0.0	0.0	0.0	0.0	859.6	Trar
her Off-Site (Scope 3b)	0.5	2,391.5	0.0	0.0	0.0	0.0	2,392.0	Oth
Total	3.7	3,809.2	0.0	0.0	0.0	0.0	3,812.9	

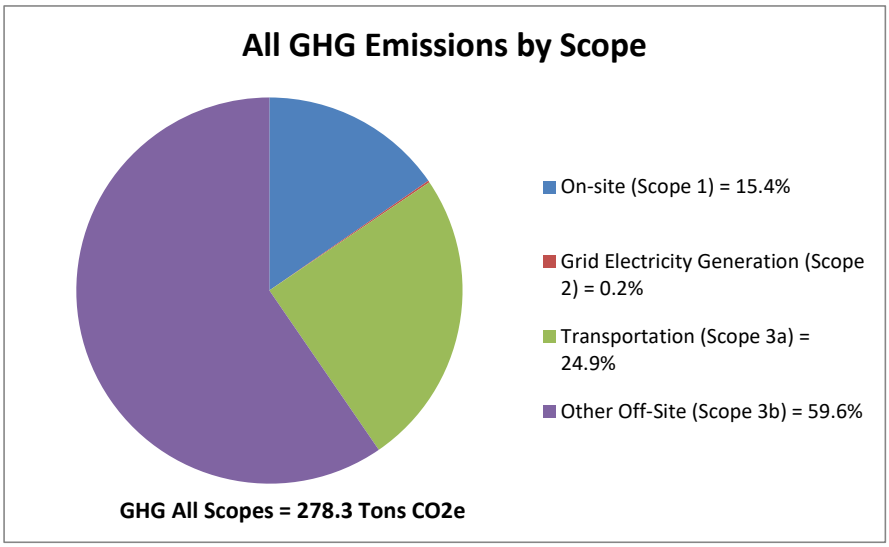
Site Management = 0.1%
Remedy = 99.9%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%

On-site (Scope 1) = 14.3%
Grid Electricity Generation (Scope 2) = 0.4%
Transportation (Scope 3a) = 22.5%
Other Off-Site (Scope 3b) = 62.7%

Total Energy All Components = 3812.9 MMbtus
Total Energy All Scopes = 3812.9 MMbtus


All GHG Emissions by Remedy Component and Scope
(in Tons)
300
250
200
150
100
50
0
Site Management
Remedy
< Component 3 >
< Component 4 >
< Component 5 >
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
GHG All Components = 278.3 Tons CO2e


All GHG Emissions by Remedy Component
Site Management = 0.1%
Remedy = 99.9%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%
GHG All Components = 278.3 Tons CO2e

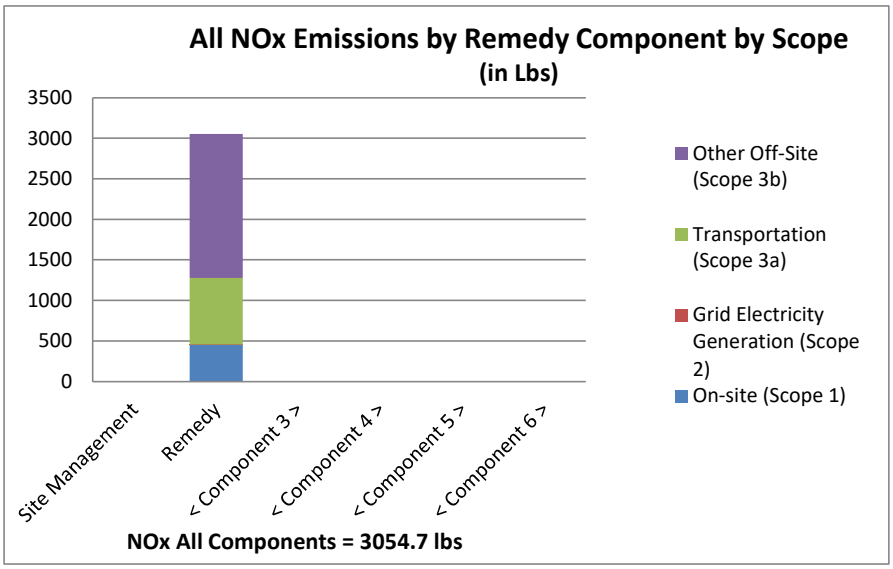

All GHG Emissions by Scope
On-site (Scope 1) = 15.4%
Grid Electricity Generation (Scope 2) = 0.2%
Transportation (Scope 3a) = 24.9%
Other Off-Site (Scope 3b) = 59.6%
GHG All Scopes = 278.3 Tons CO2e

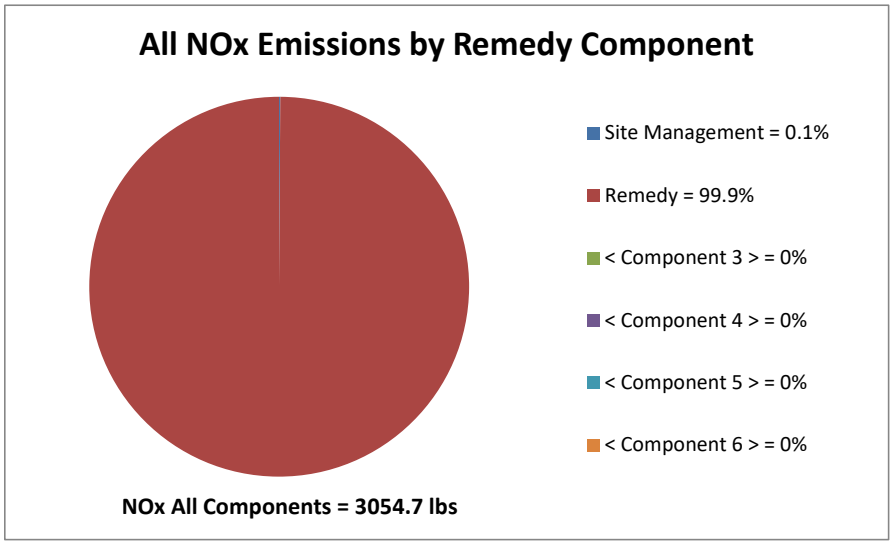
GHG Tons CO2e	Site Manag	Remedy	< Compone	< Compone	< Compone	< Compone	Total	
On-site (Scope 1)	0.0	42.8	0.0	0.0	0.0	0.0	42.8	
Generation (Scope 2)	0.0	0.4	0.0	0.0	0.0	0.0	0.4	d Electricity
nsportation (Scope 3a)	0.3	69.0	0.0	0.0	0.0	0.0	69.3	Trar
ner Off-Site (Scope 3b)	0.0	165.8	0.0	0.0	0.0	0.0	165.8	Oth
Total	0.3	278.1	0.0	0.0	0.0	0.0	278.3	

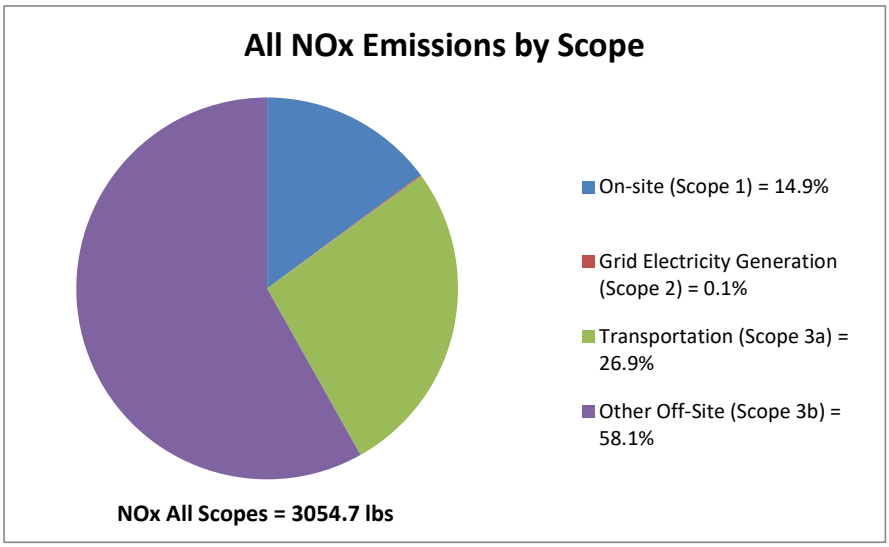
Site Management = 0.1%
Remedy = 99.9%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%

On-site (Scope 1) = 15.4%
Grid Electricity Generation (Scope 2) = 0.2%
Transportation (Scope 3a) = 24.9%
Other Off-Site (Scope 3b) = 59.6%

GHG All Components = 278.3 Tons CO2e
GHG All Scopes = 278.3 Tons CO2e


All NOx Emissions by Remedy Component by Scope
(in Lbs)
3500
3000
2500
2000
1500
1000
500
0
Site Management
Remedy
< Component 3 >
< Component 4 >
< Component 5 >
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
NOx All Components = 3054.7 lbs


All NOx Emissions by Remedy Component
Site Management = 0.1%
Remedy = 99.9%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%
NOx All Components = 3054.7 lbs


All NOx Emissions by Scope
On-site (Scope 1) = 14.9%
Grid Electricity Generation (Scope 2) = 0.1%
Transportation (Scope 3a) = 26.9%
Other Off-Site (Scope 3b) = 58.1%
NOx All Scopes = 3054.7 lbs

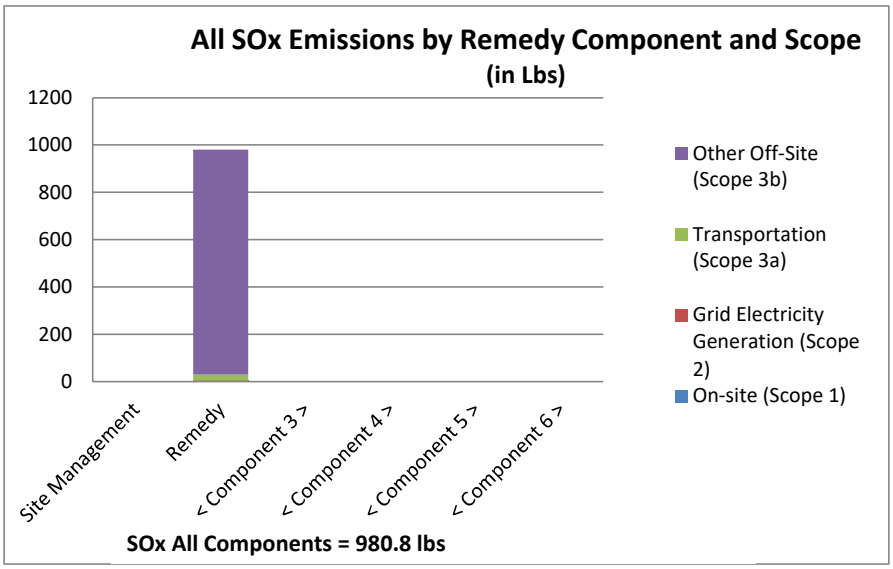
NOx
lbs

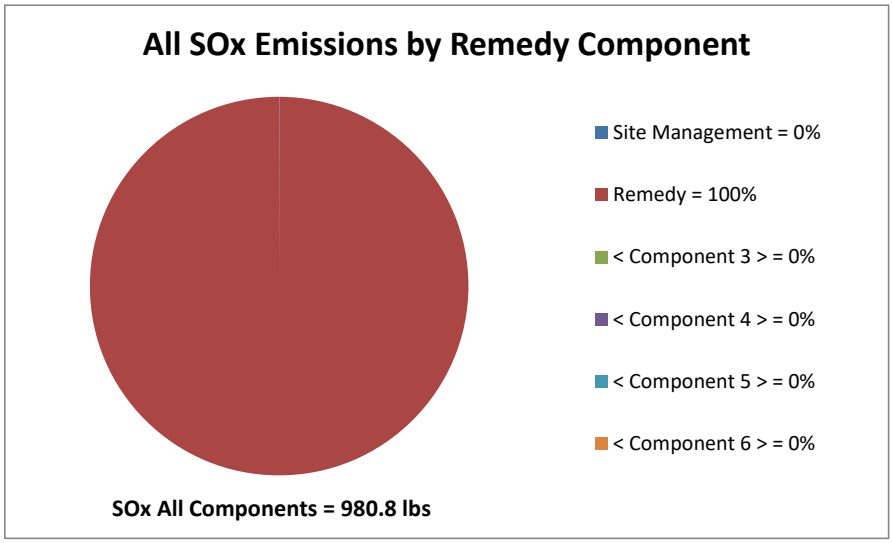
	Site Manag	Remedy	< Compone	< Compone	< Compone	< Compone	Total	
On-site (Scope 1)	0.0	454.1	0.0	0.0	0.0	0.0	454.2	
Generation (Scope 2)	0.0	3.6	0.0	0.0	0.0	0.0	3.6	d Electricity
nsportation (Scope 3a)	3.0	817.9	0.0	0.0	0.0	0.0	820.9	Trar
ner Off-Site (Scope 3b)	0.1	1,775.9	0.0	0.0	0.0	0.0	1,776.0	Oth
Total	3.1	3,051.6	0.0	0.0	0.0	0.0	3,054.7	

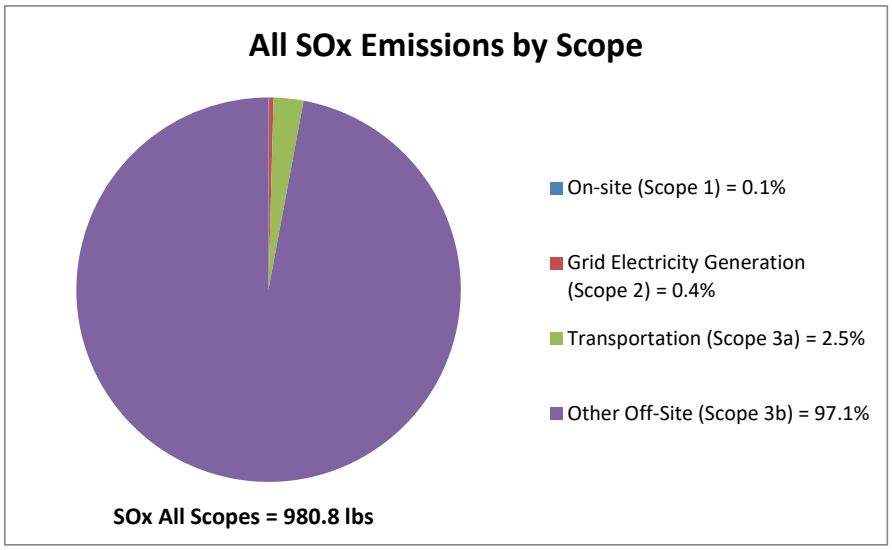
Site Management = 0.1%
Remedy = 99.9%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%

On-site (Scope 1) = 14.9%
Grid Electricity Generation (Scope 2) = 0.1%
Transportation (Scope 3a) = 26.9%
Other Off-Site (Scope 3b) = 58.1%

NOx All Components = 3054.7 lbs
NOx All Scopes = 3054.7 lbs


All SOx Emissions by Remedy Component and Scope
(in Lbs)
1200
1000
800
600
400
200
0
Site Management
Remedy
< Component 3 >
< Component 4 >
< Component 5 >
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
SOx All Components = 980.8 lbs


All SOx Emissions by Remedy Component
Site Management = 0%
Remedy = 100%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%
SOx All Components = 980.8 lbs

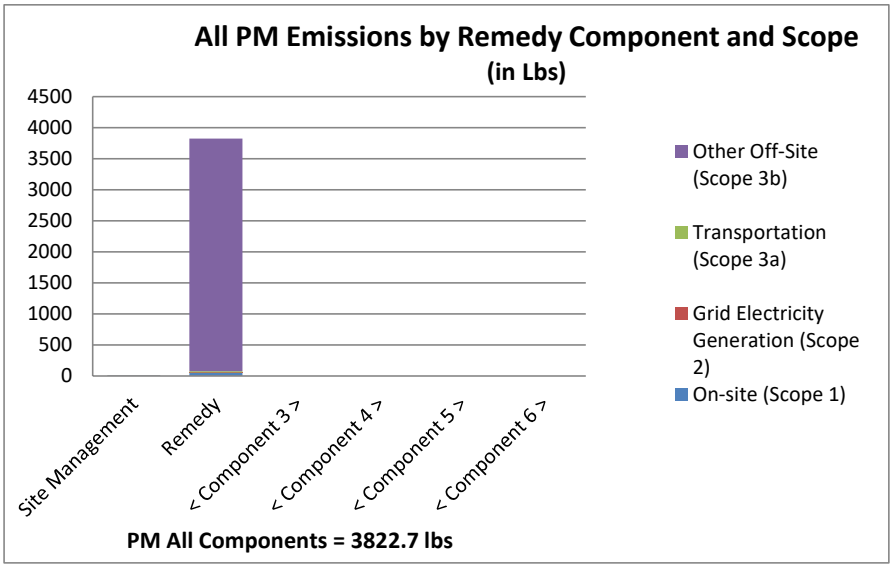

All SOx Emissions by Scope
On-site (Scope 1) = 0.1%
Grid Electricity Generation (Scope 2) = 0.4%
Transportation (Scope 3a) = 2.5%
Other Off-Site (Scope 3b) = 97.1%
SOx All Scopes = 980.8 lbs

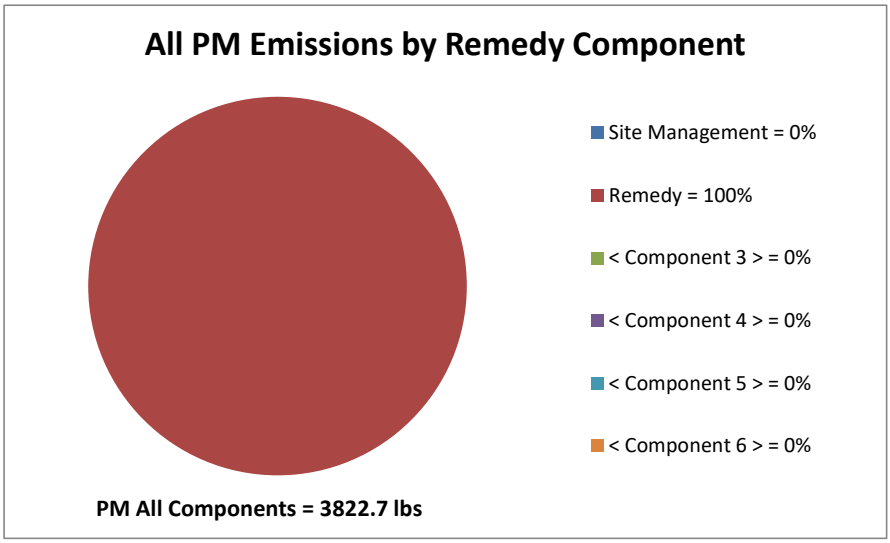
SOx lbs	Site Manag	Remedy	< Compone	< Compone	< Compone	< Compone	Total	
On-site (Scope 1)	0.0	0.5	0.0	0.0	0.0	0.0	0.5	
Generation (Scope 2)	0.0	3.5	0.0	0.0	0.0	0.0	3.5	d Electricity
nsportation (Scope 3a)	0.1	24.6	0.0	0.0	0.0	0.0	24.6	Trar
ner Off-Site (Scope 3b)	0.1	952.0	0.0	0.0	0.0	0.0	952.1	Oth
Total	0.2	980.6	0.0	0.0	0.0	0.0	980.8	

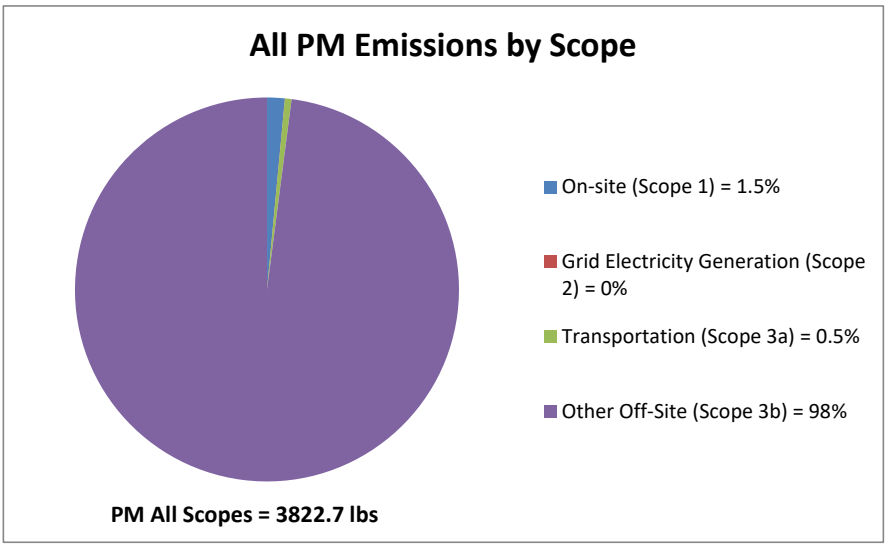
Site Management = 0%
Remedy = 100%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%

SOx All Components = 980.8 lbs
SOx All Scopes = 980.8 lbs

On-site (Scope 1) = 0.1%
Grid Electricity Generation (Scope 2) = 0.4%
Transportation (Scope 3a) = 2.5%
Other Off-Site (Scope 3b) = 97.1%


All PM Emissions by Remedy Component and Scope
(in Lbs)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Site Management
Remedy
< Component 3 >
< Component 4 >
< Component 5 >
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
PM All Components = 3822.7 lbs


All PM Emissions by Remedy Component
Site Management = 0%
Remedy = 100%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%
PM All Components = 3822.7 lbs


All PM Emissions by Scope
On-site (Scope 1) = 1.5%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 0.5%
Other Off-Site (Scope 3b) = 98%
PM All Scopes = 3822.7 lbs

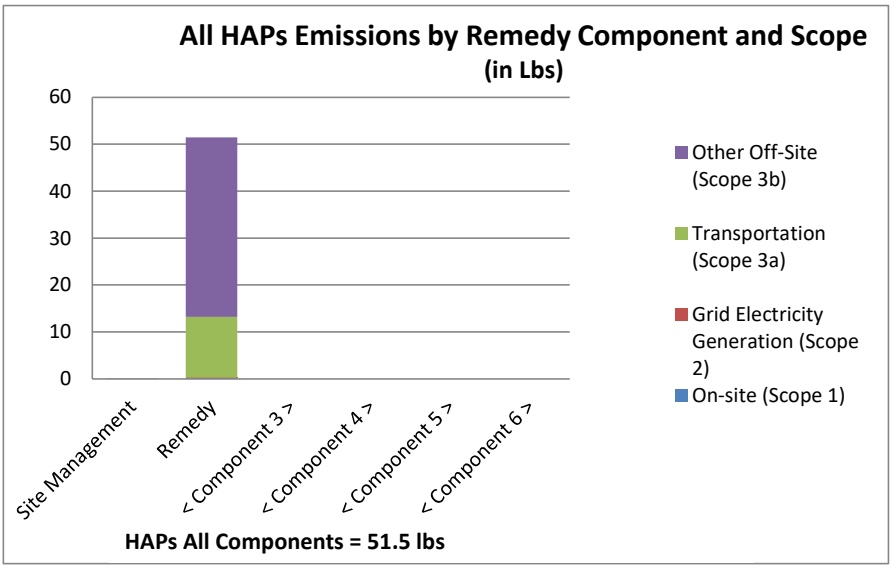
PM lbs

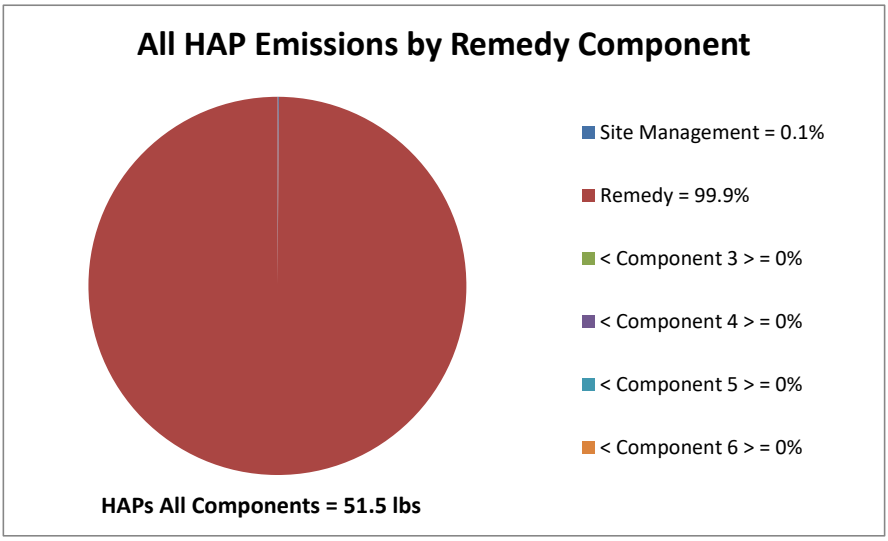
	Site Manag	Remedy	< Compone	< Compone	< Compone	< Compone	Total	
On-site (Scope 1)	0.1	57.1	0.0	0.0	0.0	0.0	57.2	
Generation (Scope 2)	0.0	0.2	0.0	0.0	0.0	0.0	0.2	d Electricity
nsportation (Scope 3a)	0.1	20.9	0.0	0.0	0.0	0.0	21.0	Trar
ner Off-Site (Scope 3b)	0.0	3,744.3	0.0	0.0	0.0	0.0	3,744.4	Oth
Total	0.2	3,822.5	0.0	0.0	0.0	0.0	3,822.7	

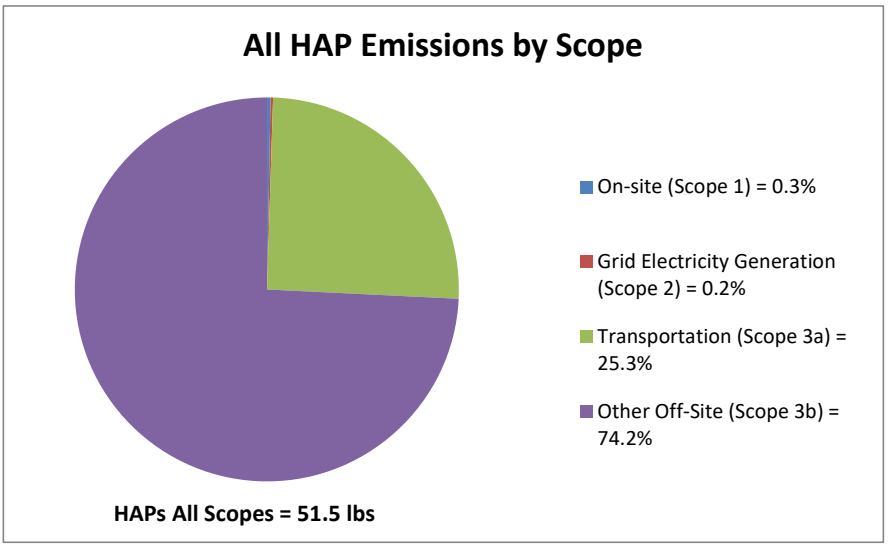
Site Management = 0%
Remedy = 100%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%

On-site (Scope 1) = 1.5%
Grid Electricity Generation (Scope 2) = 0%
Transportation (Scope 3a) = 0.5%
Other Off-Site (Scope 3b) = 98%

PM All Components = 3822.7 lbs
PM All Scopes = 3822.7 lbs


All HAPs Emissions by Remedy Component and Scope
(in Lbs)
60
50
40
30
20
10
0
Site Management
Remedy
< Component 3 >
< Component 4 >
< Component 5 >
< Component 6 >
Other Off-Site (Scope 3b)
Transportation (Scope 3a)
Grid Electricity Generation (Scope 2)
On-site (Scope 1)
HAPs All Components = 51.5 lbs


All HAP Emissions by Remedy Component
Site Management = 0.1%
Remedy = 99.9%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%
HAPs All Components = 51.5 lbs


All HAP Emissions by Scope
On-site (Scope 1) = 0.3%
Grid Electricity Generation (Scope 2) = 0.2%
Transportation (Scope 3a) = 25.3%
Other Off-Site (Scope 3b) = 74.2%
HAPs All Scopes = 51.5 lbs

HAPs
lbs

	Site Manag	Remedy	< Compone	< Compone	< Compone	< Compone	Total
On-site (Scope 1)	0.0	0.2	0.0	0.0	0.0	0.0	0.2
Generation (Scope 2)	0.0	0.1	0.0	0.0	0.0	0.0	0.1
nsportation (Scope 3a)	0.0	13.0	0.0	0.0	0.0	0.0	13.0
ner Off-Site (Scope 3b)	0.0	38.2	0.0	0.0	0.0	0.0	38.2
Total	0.1	51.4	0.0	0.0	0.0	0.0	51.5

Site Management = 0.1%
Remedy = 99.9%
< Component 3 > = 0%
< Component 4 > = 0%
< Component 5 > = 0%
< Component 6 > = 0%

On-site (Scope 1) = 0.3%
Grid Electricity Generation (Scope 2) = 0.2%
Transportation (Scope 3a) = 25.3%
Other Off-Site (Scope 3b) = 74.2%

HAPs All Components = 51.5 lbs
HAPs All Scopes = 51.5 lbs