Remedial Investigation Report

Poestenkill Place Site

Brownfield Cleanup Project
NYSDEC Site No. C442058
City of Troy, Rensselaer County, New York

Prepared For

Poestenkill Place Limited Partnership

90 State Street, Suite 602
Albany, New York 12207

January 2020
Revised October 2020

Barton&Loguidice

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90 State Street, Suite 602
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Prepared By:

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I, the undersigned engineer, certify that I am currently a NYS registered professional engineer, this Remedial Investigation (RI) Report 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). All activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Scott D. Nostrand, P.E.

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EXECUTIVE SUMMARY

A remedial investigation (RI) was completed by Barton & Loguidice, D.P.C. (B&L) at the Poestenkill Place Site property located at 244-246 First Street in the City of Troy, Rensselaer County, New York (Figure 1). The property, which will be developed by Poestenkill Place Limited Partnership, formerly supported a variety of industrial and commercial purposes such as a foundry and stove works, a junkyard, feed and fertilizer business, building materials warehouse, steel fabrication, and heavy construction equipment rental. The property is currently occupied by an electronics recycling company and a water and wastewater equipment sales and service company. The RI was completed as part of a Brownfield Cleanup Program (BCP) project (Site No. C442058), which is administered by the New York State Department of Environmental Conservation (NYSDEC).

Site characterization activities were performed in accordance with a NYSDEC-approved Remedial Investigation Work Plan (RIWP) prepared by C.T. Male Associates (C.T. Male) dated February 2019. C.T. Male conducted a Phase 2 Site Investigation of the subject property in 2018 to assess the environmental site conditions for possible future development of the site by Poestenkill Place Limited Partnership (Poestenkill Place). The findings of the C.T. Male Phase 2 Site Investigation formed the basis for the work scope presented in the February 2019 RIWP prepared by C.T. Male. Poestenkill Place then retained the services of B&L to implement the RIWP. Investigatory services were performed by B&L in accordance with the NYSDEC approved RIWP in September 2019.

Per the request of the NYSDEC and New York State Department of Health (NYSDOH) via letter correspondence dated March 24, 2020, B&L was asked to conduct a supplemental remedial investigation following Departmental review of the Draft RI report. Site activities were completed in June 2020 by B&L and conducted in accordance with the NYSDEC-approved Supplemental Remedial Investigation Work Plan prepared by B&L, dated May 15, 2020, in conjunction with the RIWP (February 2019) and supporting documents listed above.

The 2019 RI conducted by B&L included a review of available records, a Geophysics survey, a surface soil sampling program, a subsurface boring and subsurface soil sampling program, and a monitoring well installation and groundwater sampling program. The 2020 Supplemental RI conducted by B&L included a subsurface boring and subsurface soil sampling program, a monitoring well installation and groundwater sampling program, a soil vapor boring installation, and a soil vapor boring sampling program. Community Air Monitoring Program (CAMP) was implemented throughout both RI investigations conducted by B&L. The sequence of the 2019 remedial investigation and 2020 supplemental activities are presented below:

- Ground penetrating radar (GPR) survey: August 2, 2019
- Surface and subsurface soil boring investigation: September 16-24, 2019 and June 16-19, 2020
- Monitoring well installation and development: September 16-24, 2019 and June 16-19, 2020
- Well development and groundwater sampling: September 25, 2019 to September 30, 2019 and June 18 and 19, 2020
- Soil Vapor Sampling: June 17 and 18, 2020
- Community Air Monitoring Program (CAMP): September 16-24, 2019 and June 16-18, 2020

The results of the RI indicated that on-site soils consist of backfill material composed of sand, gravel, brick, wood, glass, various metals, concrete, and asphalt, situated stratigraphically above the native sand, clay, and silt material. The total depth of fill was indistinct and variable throughout the site. In such places where fill was noted, it was generally a heterogeneous mixture of the above noted fill materials ranging from half an inch to about 15 ft below grade. Groundwater was typically encountered around 12 to 17 feet below grade on the site. Bedrock was not encountered during the subsurface investigation. The direction of groundwater indicated a west-southwest flow towards the Hudson River. The majority of the site is covered with impervious asphalt and concrete or a thick layer of gravel.

Media sampled as part of the investigation included surface soil, subsurface soil, groundwater, soil vapor, and ambient air. The subsurface media was divided into two types: Historic Fill Material (HFM) and native soils. The 2019 investigation included 5 surface soil samples, a total of 37 subsurface soil samples, and 9 groundwater samples. The 2020 supplemental investigation included 19 subsurface soil samples, 3 groundwater samples, 10 soil vapor samples, and one ambient air sample. In addition, several Quality Assurance/Quality Control (QA/QC) samples were collected during both investigations. In accordance with the February 2019 RIWP, the various media samples were analyzed for the presence of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, PCBs, and target analyte list (TAL) metals (including mercury and cyanide), and 1,4-Dioxane, during the September 2019 RI. In addition, select surface soil and groundwater samples were analyzed for the presence of per or polyfluoroalkyl substances (PFAS).

During the June 2020 Supplemental RI, in accordance with the May 2020 RIWP, the various media samples were analyzed for the presence of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, and target analyte list (TAL) metals (including mercury).

There were no soil or groundwater samples resulting in PCB concentrations in excess of the applicable NYSDEC Part 375 Restricted-Residential Soil Clean-up Objectives (SCOs) for soils or NY TOGS 1.1.1 Water Quality Standards and Guidance Values for groundwater. In addition, there were no soil or groundwater samples resulting in total per or polyfluoroalkyl substances (PFAS) concentrations in exceedance of the applicable USEPA perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) Drinking Water Health Advisory level. Levels were also compared to Part 375 Guidelines for Sampling and Analysis of PFAS with no observed exceedances.

Several surface samples had detections of metals and 4-4'-DDT that exceeded the Part 375 Unrestricted SCOs, but the concentrations were not greater than the applicable Part 375 SCOs for Restricted-Residential. Six subsurface samples (including one blind duplicate sample) exhibited several polyaromatic hydrocarbons (PAHs) at concentrations greater than the applicable NYSDEC Part 375 Restricted-Residential standard. These compounds are very common in urban environments, and are often associated with historic fill material. Similarly, five subsurface samples (including one blind duplicate sample) exhibited at least one metal exceedance above the applicable Restricted-Residential SCO.

Groundwater samples were collected from 11 monitoring wells on September 26, 2019, September 30, 2019, and June 19th, 2020. Thirteen groundwater samples (including two blind duplicate samples (parent locations listed in Section 2.5.3)) exceeded the groundwater standards for at least one metal, while three groundwater

samples exceeded the standard for the pesticide alpha-BHC. The majority of the metal exceedances (iron and manganese) may be attributable to the sample turbidity rather than indicators of actual groundwater quality conditions and the elevated sodium concentrations in the groundwater may be due to the urban character of the site and vicinity, and associated with the use of road salt for clearing snow and ice in the winter. In addition, one groundwater sample exhibited one SVOC (naphthalene) and three VOC (ethylbenzene, isopropylbenzene, and total xylenes) concentrations above their respective groundwater standards. No other collected groundwater samples exhibited exceedances of the applicable NY TOGS 1.1.1 standards for VOCs or SVOCs.

B&L determined that the SVOC exceedances of the NYSDEC Part 375 Restricted-Residential SCOs reported in the 6 subsurface soil samples could represent potential absorption and ingestion exposure pathways during proposed future site development efforts. Additionally, VOC impacts within the groundwater at well location RI-3 were detected, which exceed the Part 375 Restricted-Residential Use SCOs. Therefore, appropriate site specific health and safety measures will be incorporated into the Site Management Plan for implementation during future construction activities to minimize exposure to impacted soils.

Data collected from surface/subsurface soil, groundwater, and soil vapor has been uploaded electronically to the NYSDEC's Environmental Information Management System (EIMS) through EQuIS.

1.0 INTRODUCTION

A Remedial Investigation was completed at the Poestenkill Place property 244-246 First Street in the City of Troy, Rensselaer County, New York (refer to Figure 1) in September of 2019, followed by a supplemental investigation conducted in June 2020. Poestenkill Place Limited Partnership, entered the Poestenkill Place site into the Brownfield Cleanup Program (BCP), which is administered by the New York State Department of Environmental Conservation (NYSDEC), prior to conducting this Site Investigation. The Site Investigation was conducted in accordance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, May 2010 (DER-10) and 6 NYCRR Part 375. Site activities were conducted in accordance with the NYSDEC-approved RIWP dated February 2019which also contained a Sampling and Analysis Plan (SAP), Quality Assurance Project Plan, and a Health and Safety Plan. The purpose of the Remedial Investigation was to:

- Collect additional environmental data to further assess the nature and extent of Site contaminants (in addition to data collected during the Phase II Environmental Site Assessment in April 2018)
- Evaluate the fate and transport mechanisms applied to the contaminants to determine appropriate remedy for use during site redevelopment

As mentioned above, subsequent to the completion of the September 2019 RI, NYSDEC and DOH requested a supplemental investigation, which B&L completed in June 2020. Site activities were conducted in accordance with the RIWP (February 2019) and supporting documents listed above, in conjunction with the NYSDEC-approved Supplemental Remedial Investigation Work Plan prepared by B&L, dated May 15, 2020.

The Poestenkill Place property, which consists of 1.88 acres, is currently occupied by two tenants. The southwestern building is currently occupied by a commercial tenant that uses the building for the sales and services of commercial water and wastewater equipment. The eastern building is currently occupied by a commercial tenant that currently uses the building for recycling of electronics products. The third cold storage building is attached to the northern side of the eastern building and is used for storage by the occupant of the eastern building.

The subject property has supported a variety of industrial and commercial uses since the turn of the century. Previous site uses included a foundry and stove works, a junkyard, a feed and fertilizer business, building materials warehouse, a steel fabricating company, and a heavy construction equipment rental company.

An environmental investigation was conducted by C.T. Male in 2018 to assess the environmental quality of the site's soil and groundwater. Results of the investigation indicated that the site is mantled with HFM that is environmentally impacted by volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, and metals at levels that exceed New York State regulatory standards and guidance values. The site's groundwater is environmentally impacted by SVOCs and metals at levels that exceed New York State regulatory standards and guidance values. Furthermore, visual and olfactory evidence of petroleum-type impacts was encountered in the Site's HFM. The impacts included elevated photoionization detector (PID) readings that ranged from 0.6 to 72.6 parts per million (ppm), petroleum-type odors and black staining at the four (4) to 12 foot depths at four (4) soil borings completed during the investigations.

1.1 Purpose of Report

This report summarizes the RI activities and presents the findings specific to the characterization of existing hydrogeologic and environmental conditions and the presence and extent of contaminants at the Site. The results of the field activities were used to assess the existing contamination to evaluate potential exposure targets.

1.1.1 Report Organization

This report is organized into four major sections (including this introduction section). Tables and figures are located following the text, prior to the appendices in the back of the document. Section 2.0 presents the RI tasks and summarizes the methodologies used during the data collection field activities. Section 3.0 presents the findings of the site characterization phase of this project, which includes the data interpretation from the 2018, 2019 and 2020 remedial investigations. Within this section, information is presented regarding the site's physical setting, the nature and extent of contamination, contaminant fate and transport, public health and wildlife risk evaluation, and the wetlands, floodplains, and sensitive environment survey.

1.2 Site Background

1.2.1 Site Description

The Poestenkill Place site is an irregular-shaped parcel of land occupying the majority of the city block bounded by Jefferson Street to the north, Second Street to the east, Ida Street to the south, and First Street to the west. The subject property is currently under a purchase offer agreement by Site developer Poestenkill Place Limited Partnership.

Three buildings currently occupy the 1.88-acre site. The southwestern building is currently occupied by a commercial tenant that uses the building for the sales and service of commercial water and wastewater equipment. As presented in C.T. Male's February 2019 Remedial Investigation Work Plan (hereinafter RIWP), the eastern building is currently occupied by a commercial tenant that currently uses the building for recycling of electronics products. According to the RIWP, a third cold storage building is attached to the northern side of the eastern building and is used for storage by the occupant of the eastern building. The locations of the above-mentioned buildings are depicted on the enclosed Site Features Map (Figure 2). Adjacent property usage is commercial to the north, west, and south, and residential and commercial to the east.

The site topography is fairly level, with the site lying at approximately 20 feet above Mean Sea Level (msl). The Hudson River is located approximately 850 feet to the west of the site and the Poesten Kill, a small stream, is located approximately 135 feet to the south and discharges to the Hudson River. There is a catch basin located at the western exterior of the cold storage building that occupies the northeastern corner of the Site (see Figure 2), and a trench-type floor drain located in the bay area of the southwestern portion of the eastern building. B&L was able

to determine during the performance of the recent ground penetrating radar (GPR) survey that the catch basin is connected to a dry well that does not contain any outlet piping, and the floor drain is underlain by a concrete lined trench with no outlet. Both of these structures were observed to be dry at the time of the GPR survey.

1.2.2 Site History

Based on information presented in the RIWP (see Exhibit 1), the 1.88-acre parcel has supported a variety of industrial and commercial uses from the late 1800s to the present. The site uses included a foundry and stove works in the late 1800s to early 1900s, a junkyard in the 1950s, a feed and fertilizer business from the 1950s to the 1960s, and a building materials warehouses from the 1950s to the 1980s. From the 1980s until about 2001, the eastern building of the site was occupied by a steel fabricating company. It was then occupied by a limousine company from 2001 to 2004 and a heavy construction equipment rental company from 2005 to 2015. The southwestern building of the site was occupied by a heavy construction equipment and rental company from approximately 1985 to 2000. The property is currently occupied by an electronics recycling company in the eastern building and a water and wastewater equipment sales and service company in the southern building. A building attached to the northern side of the eastern building is currently being used as cold storage by the occupant of the eastern building.

1.2.3 Previous Site Investigations

One environmental investigation was conducted at the property in 2018 to assess the environmental quality of the site's soil and groundwater. Specifically, previous environmental studies of the subject property include the following:

- Phase II Environmental Site Assessment; Poestenkill Place, 244-246 First Street, City of Troy, Rensselaer County, New York; prepared by C.T. Male Associates; dated April 11, 2018.

A brief summary of the pertinent information that appears in the above referenced report is presented below:

1) Phase II Environmental Site Assessment, C.T. Male Associates, April 2018:

   Results of the April 2018 report concluded that historic fill material (HFM) beneath the Site and the Site's groundwater are impacted by compounds and analytes exceeding regulatory standards and guidance values:

   - VOCs and SVOCs in soil/HFM: acetone, 2-methylphenol, 3- and 4-methylphenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, naphthalene, and phenol
   - Pesticides in soil/HFM: 4,4'-DDE and 4,4'-DDT

- Metals in soil/HFM: chromium, copper, lead, manganese, mercury, nickel, and zinc
- SVOCs groundwater: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene
- Metals in groundwater: arsenic, barium, beryllium, chromium, iron, lead, manganese, mercury, selenium, sodium

Impacts to the site included elevated photoionization detector (PID) readings that ranged from 10.6 to 72.6 parts per million (ppm), petroleum-type odor, and black staining of soil.

1.2.4 NYSDEC Spill Incident Reports

According to the NYSDEC Spill Incident Database, on March 16, 2019 an unknown petroleum product, of an unknown amount was reported to be affecting soil on Site. The source of the oil was noted as commercial/industrial, however the cause of the spill is unknown. Spill No. 1711443 was assigned to the Site during the 2018 Phase II investigation and currently remains open.

On September 17, 2019, B&L staff encountered subsurface petroleum contamination during the Remedial Investigation in the area of soil boring RI-3 and informed the NYSDEC. Spill No. 1906242 was assigned to the Site and was closed the same day. According to the NYSDEC Spill Incident Database the material spilled, amount spilled, and cause are unknown. The resource affected is on-site soil and the source was commercial/industrial.

2.0 REMEDIAL INVESTIGATION TASKS

The following section discusses the methodologies used during the field activities to collect the necessary data to characterize the physical and environmental conditions at the site, and to determine the appropriate level of remedial work required to achieve cleanup to the selected NYSDEC Cleanup Track. Site characterization activities determined the extent of surface soil, subsurface soil, soil vapor, and groundwater contamination present at the site. These activities also defined the future remedial efforts that would be necessary for the property to receive a certificate of completion (COC) from the NYSDEC upon successful completion of the site remediation. The field investigation activities included the installation of subsurface soil borings, soil vapor borings, and groundwater monitoring wells. Media sampled as part of the investigation included surface soils, subsurface soil (HFM and native soils), groundwater, and soil vapor. Collected site samples were submitted and analyzed by Eurofins TestAmerica or Pace Analytical, both ELAP certified laboratories.

The BCP Site Investigation took place in September 2019, with supplemental services provided in June 2020. The general order of events is presented below:

- Surface and subsurface soil boring investigation: September 16-24, 2019 and June 16-18, 2020
- Monitoring well installation and development: September 16-24, 2019 and June 16-19, 2020
- Well development and groundwater sampling: September 25, 2019 to September 30, 2019 and June 18 and 19, 2020
- Soil Vapor Sampling: June 17 and 18, 2020Community Air Monitoring Program (CAMP): September 16-24, 2019 and June 16-18, 2020

2.1 Review of Available Data and Literature

Available site information was acquired through the previous site investigation. The data was reviewed to determine localized site conditions, and the results of the review are presented below.

B&L used the 2019 RIWP to obtain information about the utilities at the site. The report stated that electricity and natural gas are supplied to the site by National Grid and are in current use. The property is also supplied with municipal water and sewer services. Precipitation is generally infiltrated into the vegetated sections of the site and/or sheet flows across impervious areas of the site towards catch basins located in roadways adjoining the Site. There is no specific information pertaining to historical chemicals uses at the site and no USEPA or NYSDEC orders, decrees, or violations related to the Site.

2.2 Preparation of Site Map

A site base map was prepared in February 2019 by C.T. Male using GIS software. The base map identifies the property boundaries, adjacent streets and properties, approximate locations of the catch basin and floor drain, and other distinguishing features present at the site. The base map also contained approximate locations of the 2018 test boring locations, proposed surface and soil boring locations, and proposed soil vapor sampling locations. Following the completion of remedial investigation activities,

the base map was updated to include the locations of the newly installed borings, monitoring wells, and additional surface soil sampling locations.

2.3 GPR/Underground Utilities Survey

A GPR/underground utilities survey was performed on August 2, 2019. The purpose of the survey was to identify and assess the discharge points of the floor drain located within the eastern building and the catch basin located along the western exterior of the eastern building; investigate for the presence of subsurface anomalies that may be representative of subsurface structures; and to mark-out underground utilities traversing the Site.

2.3.1 Procedure

The GPR survey was completed by Greenstar Environmental Solutions, LLC, of Wappingers Falls, New York using a GSSI SIR-3000 with a 400 mHz antenna. In addition, an electromagnetic (EM) survey was completed using a hand-held magnetometer to detect both ferrous and non-ferrous metals and a radio frequency (RF) line locator was also used to identify subsurface utilities lines using a 120 herz electric signal and RF transmitter.

2.3.2 Results

The areas around both the storehouse and garage buildings in the eastern portion of the Site were scanned and exiting utilities were marked. The survey results indicated the floor drain and catch basin do not discharge to the city sewer. Water and gas lines come directly off of Second Street into the eastern building and off of First Street into the western building. There is a sewer line that transects the western portion of the property from First Street to both the western and eastern buildings. No surface or subsurface sampling locations were relocated due to the GPR results. The geophysical survey results are located in Appendix F.

2.4 Soil and Groundwater Investigation

2.4.1 Surface Soil Sampling

During the remedial investigation, five (5) surface soil samples were collected from various sampling locations across the Site. Surface samples were to originally be collected from soil boring locations RI-1 through RI-6. However, upon further examination of the proposed surface soil sampling locations, B&L received approval from the NYSDEC Project Manager to not collect surface soil samples at RI-1, RI-2, and RI-4. This was due to the presence of a thick layer of gravel or paved surface at these locations. For the same reason, a surface soil sample was not collected at RI-6. Instead, a surface soil sample was collected southeast of RI-6 at the new sampling location (RI-18).

The surface samples were collected from depths of 0-2 inches below ground surface (bgs) and 0-6 inches bgs from sampling locations RI-3, RI-5, RI-16, RI-17, and RI-18. The samples were taken immediately beneath the vegetative root zone and/or thin gravel layers at each location. The

surface samples were collected by first removing the vegetation with a field decontaminated shovel and then collecting the soils using a field decontaminated stainless steel hand trowel. New, nitrile gloves were worn by B&L personnel at each surface soil sampling location.

Surface samples collected from the 0-2 inch depth interval were submitted to Eurofins Test America Laboratories of Buffalo, NY for analysis of the Target Compound List (TCL) for SVOCs using Method 8270D, PCBs using EPA Method 8082A, Pesticides using Method 8081B, TAL Metals (including Mercury) using EPA Methods 6010C (Metals) and 7471B (Mercury), Cyanide using EPA Method 9012B, Hexavalent Chromium using EPA Method 7196A, 1,4-Dioxane using EPA Method 8270D_SIM, and PFAS using the modified Method 537 (Standard 21-Analytes List). Samples collected from the 0-6 inch depth interval were submitted for analysis of TCL VOCs using EPA Method 8260C. All samples were packed in a cooler on ice and delivered to the Eurofins Test America service center in Albany, NY by 5:00 pm the same day of sampling.

Lab results and related paperwork are included in Appendix C (analytical lab results) and Appendix D (chain of custody records). Lab results of the surface soil sampling are discussed in Section 3.2.1.

2.4.2 Subsurface Soil Boring Investigation

As described above, the purpose of the subsurface investigation described herein was to identify the presence and general extent of contaminants in subsurface soil that may have been impacted by historical site operations. The first subsurface soil investigation conducted by B&L occurred September 16-24, 2019 and included the installation of 17 soil borings, 9 of which were completed as monitoring wells. Drilling activities during the September 2019 investigation were performed by NYEG Drilling, LLC, of Brewerton, NY, using a CME 75 drill rig equipped with 4 ¼-inch ID hollow stem augers (HSAs) and 2-inch diameter by 2-foot long split-spoon barrel samplers.

A B&L hydrogeologist supervised the drilling activities. The soil borings were installed to approximately 20 feet bgs with continuous sampling. The samples were examined for moisture content and logged and described according to the Burmister Soil Classification System. Soil samples were also examined for visual and/or olfactory evidence of contamination. Soil borings were terminated at depths ranging from 20 to 24 feet bgs. Borings completed as monitoring wells were set at depths ranging from 18 to 24 feet bgs, depending on the observed water table conditions. Bedrock was not encountered during the remedial investigation. The split-spoon samplers were decontaminated between each 2-foot run, in accordance with the procedures outlined in the SAP. Augers, split spoons, and drill rods (when used) were steam cleaned on a decontamination pad prior to setting up at each drilling location. Drilling wash water was captured and containerized for subsequent testing and disposal at a regulated disposal facility.

A PID was utilized to screen the soils from each probe hole for the presence of volatile vapors. Soil samples were placed in a sealable bag and allowed to equilibrate with ambient daily temperature, which generally ranged from 45 to 90 degrees Fahrenheit. The headspace was

then measured by inserting the PID to obtain peak and sustained vapor concentrations. All measurements were recorded in the field log.

Samples were collected in accordance with the RIWP Field Sampling Plan (FSP) and B&L Standard Operating Procedures (SOPs). New, nitrile gloves were worn by B&L personnel at each sampling location and changed between consecutive sampling at the same sampling location.

One to four soil samples from each boring location were placed in the appropriate sample containers and submitted to Eurofins Test America Laboratories of Buffalo, NY for analysis. Sampling and laboratory analysis were location-dependent. A total of seventeen (17) test borings, identified as RI-1 to RI-17, were completed at the site using conventional HSA rotary drilling methods.

In accordance with the requirements of the RIWP, one (1) HFM sample and one (1) native soil sample were collected from borings RI-1 through RI-6. HFM samples were typically collected from a depth between 4 feet bgs and 16 feet bgs, while the native soil samples were typically collected from a depth between 16 feet bgs and 24 feet bgs. The samples were analyzed for TCL VOCs using EPA Method 8260C, TCL SVOCs using Method 8270D, PCBs using EPA Method 8082A, Pesticides using Method 8081B, TAL Metals (including Mercury) using EPA Methods 6010C (Metals) and 7471B (Mercury), Cyanide using EPA Method 9012B, and Hexavalent Chromium using EPA Method 7196A. All samples were packed in a cooler on ice and delivered to the Test America service center in Albany, NY by 5:00 pm the same day of sampling.

One (1) native soil sample was collected from borings RI-12 through RI-17. Samples were typically collected from a depth between 16 feet bgs and 24 feet bgs. The samples were analyzed for TCL VOCs using EPA Method 8260C, TCL SVOCs using Method 8270D, PCBs using EPA Method 8082A, Pesticides using Method 8081B, target analyte list (TAL) Metals (including Mercury) using EPA Methods 6010C (TAL Metals) and 7471B (Mercury), Cyanide using EPA Method 9012B, and Hexavalent Chromium using EPA Method 7196A. All samples were packed in a cooler on ice and delivered to the Test America service center in Albany, NY by 5:00 pm the same day of sampling.

Four (4) subsurface HFM soil samples were collected from each of the boring locations RI-7 through RI-11 at varying depths. At RI-7 through RI-10, samples were taken from depths of 0-2 feet bgs, 2-4 feet bgs, 4-6 feet bgs, and 6-8 feet bgs at each location. The samples were analyzed for RCRA 8 Metals via the Toxicity Characteristics Leaching Procedure (TCLP) EPA Methods 6010C (Metals) and 7470A (Mercury). All samples were packed in a cooler on ice and delivered to the Test America service center in Albany, NY by 5:00 pm every day of sampling.

At RI-11, native soil samples were collected from depths of 0-2 feet bgs, 4-6 feet bgs, 6-8 feet bgs, and 16-18 feet bgs, respectively. Samples collected from depths 0-2 feet bgs, 4-6 feet bgs, and 6-8 feet bgs were analyzed for RCRA 8 Metals via the TCLP EPA Methods 6010C (Metals) and 7470A (Mercury). The native soil sample collected from a depth interval of 16-18 feet bgs was analyzed for TCL VOCs using EPA Method 8260C, TCL SVOCs using Method 8270D, PCBs using

EPA Method 8082A, Pesticides using Method 8081B, target analyte list (TAL) Metals (including Mercury) using EPA Methods 6010C (TAL Metals) and 7471B (Mercury), Cyanide using EPA Method 9012B, and Hexavalent Chromium using EPA Method 7196A. All samples were packed in a cooler on ice and delivered to the Test America service center in Albany, NY by 5:00 pm every day of sampling.

It should be noted that RI-10 encountered auger and split-spoon refusal at approximately 12.5 feet below ground surface. It was originally concluded that refusal occurred on gray Siltstone bedrock; however without bedrock surface contact observed at the other boring locations, it has been decided that refusal was most-likely due to contact with a historic building foundation located in that area consisting of gray Siltstone.

2.4.3 Supplemental Subsurface Soil Boring Investigation

The supplemental subsurface soil investigation completed by B&L was conducted June 16-19, 2020 and included the installation of 5 additional soil borings, 2 of which were completed as groundwater monitoring wells. Drilling activities during the June 2020 investigation were performed by North Star Drilling of Homer, New York, using a Direct Push (Geoprobe) track mounted rig. Samples were collected using 2-inch diameter by 5-foot long macro-cores lined with acetate sampling tubes.

A B&L hydrogeologist oversaw the drilling activities. The soil borings were installed to approximately 15-25 feet bgs with continuous sampling. The samples were examined for moisture content and logged and described according to the Burmister Soil Classification System. Soil samples were also examined for visual and/or olfactory evidence of contamination. Soil borings were terminated at depths ranging from 15 to 25 feet bgs. Borings completed as groundwater monitoring wells were set at depths ranging from 24.5 and 25 feet bgs, depending on the observed water table conditions. Bedrock was not encountered during the remedial investigation. Disposable acetate sampling tubes were utilized for the collection of soil samples. The drill rods were decontaminated by scrubbing with an Alconox® and water mixture, followed by a potable water rinse. Drilling wash water was captured and containerized for subsequent testing and disposal at a regulated disposal facility.

A total of two IDW drums were filled during the supplemental investigation. The drill cuttings from the soil borings were containerized on site and stored in NYSDOT-approved 55-gallon drum. Additionally, purge water from the monitoring wells and the equipment decontamination wash water was captured and containerized for subsequent disposal at an approved facility. The drums are currently stored on-site, in a safe, secured location away from truck traffic and labeled to identify the contents and address of derivation. The IDW drums will be removed and disposed of in accordance with NYSDEC guidelines.

A PID was utilized to screen the soils from each probe hole for the presence of volatile organic vapors. Soil samples were placed in a sealable bag and allowed to equilibrate with ambient daily temperature, which generally ranged from 75 to 95 degrees Fahrenheit. The headspace was

then measured by inserting the PID to obtain peak and sustained vapor concentrations. All measurements were recorded in the field log.

Samples were collected in accordance with the NYSDEC-approved Supplemental RIWP, RIWP Field Sampling Plan (FSP), and B&L Standard Operating Procedures (SOPs). New, nitrile gloves were worn by B&L personnel at each sampling location and changed between consecutive sampling at the same sampling location.

A total of five (5) additional soil borings were installed during the supplemental RI, identified as SRI-1 through SRI-5, using a track mounted Geoprobe. Soil boring locations SRI-1 and SRI-2 were installed to a total depth of 15 feet bgs. Five samples were collected continuously at 3-foot intervals (0-3', 3-6', 6-9', 9-12', 12-15' bgs) from each location and analyzed for TAL metals, (including Mercury). One (1) additional composite sample was collected from locations SRI-1 and SRI-2 and submitted for the analysis of target compound list (TCL) volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Disposable terra-core kits were used for sampling VOCs.

Soil boring locations SRI-3, SRI-4, SRI-5 were installed to total depths of 20 feet bgs, 20 feet bgs and 25 feet bgs, respectively. Soil boring location SRI-4 was noted as saturated at 20 feet bgs and sample preservation was unobtainable beyond this depth. In accordance with the requirements of the RIWP and Supplemental RIWP, one (1) HFM sample and one (1) native soil sample were collected from borings SRI-3 through SRI-5. HFM samples were typically collected from a depth between 4 feet bgs and 14 feet bgs, while the native soil samples were typically collected from a depth between 14 feet bgs and 25 feet bgs. The samples were analyzed for TCL VOCs using EPA Method 8260C, TCL SVOCs using Method 8270D, TAL Metals (including Mercury) using EPA Methods 6010C (Metals). All samples were packed in a cooler on ice and Pace Analytical from Rotterdam, NY provided a courier service by 3:00 pm the same day of sampling. Subsurface soil boring logs are attached in Appendix A. Lab results and related paperwork are included in Appendix C (analytical lab results) and Appendix D (chain of custody records). Lab results of the subsurface soil sampling are discussed in Section 3.2.2.

2.4.4 Catch Basin and Trench Floor Drain Investigation/ Conclusions

Two soil boring locations (RI-2 and RI-4) were installed for the purpose of investigating the catch basin and trench floor drain described in the C.T. Male RIWP, dated November 2019 and revised February 2019. Soil boring location RI-2 was installed approximately 10 feet downgradient (west) of the historic catch basin to a total depth of 26 feet bgs, and subsequently converted into a monitoring well with a screened interval of 13-23 feet bgs. Low-level PID readings were noted throughout the boring; the highest measurement noted was 6.8 ppm at the 6-8 feet bgs interval. Subsurface soil samples collected on September 19th, 2019 from RI-2 were designated as RI-2 SS HFM and RI-2 SS 20-26' (native material). The samples were analyzed for TCL VOCs using EPA Method 8260C, TCL SVOCs using Method 8270D, PCBs using EPA Method 8082A, Pesticides using Method 8081B, TAL Metals (including Mercury) using EPA Methods 6010C

(Metals) and 7471B (Mercury), Cyanide using EPA Method 9012B, and Hexavalent Chromium using EPA Method 7196A. When compared to the NYSDEC Part 375 Restricted-Residential Use and Unrestricted Use SCOs, soil sample RI-2 SS HFM displayed exceedances for one or both of the SCO mentioned above for the following parameters:

Semi-Volatile Organic Compounds:

- Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Chrysene, and Ideno[1,2,3-cd]pyrene

Pesticides:

- 4-4'-DDT

Metals:

- Mercury, Copper, Lead, and Zinc

When compared to the NYSDEC Part 375 Restricted-Residential Use and Unrestricted Use SCOs, soil sample RI-2 SS 20-26' did not display any exceedances for the aforementioned parameters.

A groundwater sample was collected from RI-2 on September 26, 2019 and analyzed for VOCs, SVOCs, PCBs, Pesticides, TAL Metals (including Mercury), Cyanide, Hexavalent Chromium, and 1,4-Dioxane. When compared to the NY TOGS 1.1.1 Water Quality Standards and Guidance Values, RI-2 displayed exceedances for the pesticide alpha-BHC and total sodium.

Based on the exceedances displayed in the historic fill material and groundwater at location RI-2 it can be concluded that the catch basin has had moderate subsurface environmental impacts.

Soil boring location RI-4 was installed just outside of the storage building, approximately 20 feet downgradient (west) of the trench floor drain to a total depth of 22 feet bgs, and subsequently converted into a monitoring well with a screened interval of 11-21 feet bgs. Low-level PID readings were noted throughout the boring; the highest measurement noted was 2.5 ppm at the 6-8 feet bgs interval. Subsurface soil samples collected on September 18th, 2019 from RI-4 were designated as RI-4 SS HFM and RI-4 SS 20-22' (native material). The samples were analyzed for TCL VOCs using EPA Method 8260C, TCL SVOCs using Method 8270D, PCBs using EPA Method 8082A, Pesticides using Method 8081B, TAL Metals (including Mercury) using EPA Methods 6010C (Metals) and 7471B (Mercury), Cyanide using EPA Method 9012B, and Hexavalent Chromium using EPA Method 7196A. When compared to the NYSDEC Part 375 Restricted-Residential Use and Unrestricted Use SCOs, neither soil sample collected from the RI-4 boring location displayed exceedances.

A groundwater sample was collected from RI-4 on September 30, 2019 and analyzed for VOCs, SVOCs, PCBs, Pesticides, TAL Metals (including Mercury), Cyanide, Hexavalent Chromium, and

1,4-Dioxane. When compared to the NY TOGS 1.1.1 Water Quality Standards and Guidance Values, RI-4 displayed groundwater exceedances for total metals iron, manganese, and sodium.

Based on the exceedances displayed at boring location RI-4 is appears that the trench floor drain has had little to no subsurface environmental impacts.

2.4.5 Monitoring Well Installation and Development

Nine exploratory borings were completed as overburden monitoring wells on September 16 to September 25, 2019 at the locations shown on Figure 2. The monitoring wells were installed to aid in the collection of groundwater samples for laboratory analyses.

The wells were installed with the bottom of the screen set at depths ranging from 18 to 24 feet bgs so that the 10-foot long screen section straddled the water table at each location. As described above, the borings were initially sampled using split-spoon methods until encountering the target depth. The borings were then overdrilled using rotary methods and 4 ¼-inch HSAs to allow installation of a 2-inch diameter well. The split-spoon samplers were decontaminated by scrubbing with an Alconox® and water mixture, followed by a potable water rinse. Augers, split spoons, and drill rods (when used) were steam cleaned on a decontamination pad prior to setting up at each monitoring well location. Drilling wash water was captured and containerized for subsequent testing and disposal at a regulated disposal facility.

The two-inch diameter monitoring wells were constructed using 10-foot lengths of 0.010-inch factory slotted PVC screen, positioned to straddle the water table. Each well was fitted with the appropriate length of riser extending to ground level. A washed silica sand pack was placed around the screen and extended approximately 1 foot above the top of the screened interval. A 2-foot thick bentonite plug was placed in the well annulus above the sand pack. The remaining annulus space was filled with cement-bentonite grout. Monitoring well completions consisted of concrete surface seals and lockable, flush-mounted protective casing to prevent tampering. The monitoring well completion logs are presented with the soil boring logs in Appendix A.

Upon installation, the wells were developed by B&L staff using disposable bailers. At monitoring well locations sampled for PFAS, PFAS-free bailers were used for well development. Monitoring well development was conducted to maximize removal of sediments and suspended particles from the screened interval and filter pack and to establish a hydraulic connection between the well screen and the groundwater formation. In addition to removing the residual effects of drilling disturbance, the procedure also results in the preferential sorting and distribution of natural formation particles within the emplaced sand pack, creating a natural filter that enables formation waters to enter the wells and resists subsequent infilling by sediments. The monitoring wells were developed on September 25 and 26, 2019 using the disposable bailers. Approximately 25 to 45 gallons of groundwater was removed from each well until there was a visible decrease in turbidity. Field measurements of temperature, pH, turbidity, and oxidation reduction potential (ORP) were recorded and well development was considered complete when

the field parameters had stabilized. It should be noted that the conductivity meter was not working on September 25, 2019. Well development records are included with the well completion logs in Appendix A.

2.4.6 Supplemental Monitoring Well Installation and Development

Two (2) exploratory borings were completed as overburden monitoring wells on June 17-18, 2020 at the locations SRI-4 and SRI-5, shown on Figure 2. The monitoring wells were installed to aid in the collection of groundwater samples for laboratory analyses.

The wells were installed with the bottom of the screen set at depths ranging from 24.5 to 25 feet bgs so that the 10-foot long screen section straddled the water table at each location. As described above, the subsurface soil from the borings were initially sampled using disposable acetate sleeves until encountering the target depth. The borings were then overdrilled using rotary methods and 4 ¼-inch HSAs to allow installation of a 2-inch diameter groundwater monitoring well. Augers and drill rods (when used) were steam cleaned on a decontamination pad prior to setting up at each monitoring well location. Drilling wash water was captured and containerized for subsequent testing and disposal at a regulated disposal facility.

The two-inch diameter monitoring wells were constructed using 10-foot lengths of 0.010-inch factory slotted PVC screen, positioned to straddle the water table. Each well was fitted with the appropriate length of riser extending to ground level. A washed silica sand pack was placed around the screen and extended approximately 2 foot above the top of the screened interval. A 2-foot thick bentonite plug was placed in the well annulus above the sand pack. The remaining annulus space was filled with cement-bentonite grout. Monitoring well completions consisted of concrete surface seals and lockable, flush-mounted protective casing to prevent tampering. The monitoring well completion logs are presented with the soil boring logs in Appendix A.

Upon installation, the wells were developed by B&L staff using a peristaltic pump and dedicated tubing. As stated above, monitoring well development was conducted to maximize removal of sediments and suspended particles from the screened interval and filter pack and to establish a hydraulic connection between the well screen and the groundwater formation. The monitoring wells were developed on June 18th, 2020 using the peristaltic pump and dedicated tubing. Approximately 14-26 gallons of groundwater was removed from each well until there was a visible decrease in turbidity. Field measurements of temperature, pH, specific conductivity, turbidity, oxidation reduction potential (ORP), and dissolved oxygen (DO) were recorded and well development was considered complete when the field parameters had stabilized. Well development records are included with the well completion logs in Appendix A.

2.4.7 Groundwater Sampling

Groundwater samples were collected from the monitoring wells installed during the September 2019 investigation on September 26, 2019 and September 30, 2019. PFAS samples were taken after well development was completed with the PFAS-free bailers. Prior to sampling for the

additional constituents, the wells were purged using low-flow purging/sampling techniques. A peristaltic pump and new tubing was set up at each monitoring well location. During well purging, field measurements of temperature, pH, turbidity, specific conductivity, and oxidation reduction potential (ORP) were recorded until the field parameters had stabilized. Groundwater field sampling data sheets indicating the static water levels and field characteristics of the samples are presented in Appendix B. Samples were collected from each location using the following general methodology:

1. The static water level was measured, and recorded to the nearest 1/100th of a foot, using an electronic tape;
2. An initial round of field parameters was taken;
3. Began well purging/stabilization;
4. Purged well until all field parameters were stabilized;
5. Groundwater samples were collected using the peristaltic pump and tubing with the samples bottled filled in the order designated in the SAP;
6. All measurements, including static water level and total depth of well, were logged including the date and time of collection;
7. Preserved samples were placed in coolers with ice along with the appropriate chain-of-custody forms for transport to the laboratory.

The groundwater samples were submitted to Eurofins Test America Laboratories of Buffalo, NY for analysis of TCL PCBs using EPA Method 8082A, TCL Pesticides using EPA Method 8081B, TCL SVOCs using EPA Method 8270D, TCL VOCs using EPA Method 9260C, TAL Metals using EPA Method 6010C, Mercury using EPA Method 7470A, Total Cyanide using EPA Method 335.4, and Hexavalent Chromium using EPA Method 7196A. In addition to the analyses listed above, analysis for emerging contaminants PFAS using the modified Method 537 and 1,4-Dioxane using EPA Method 8270D_SIM was also performed on water samples collected from monitoring locations RI-3, RI-5, RI-12, and RI-16. All samples were packed in a cooler on ice and delivered to the Test America service center in Albany, NY by 5:00 pm the same day of sampling. The results of the groundwater samples are discussed in Section 3.2.3.

2.4.8 Supplemental Groundwater Sampling

Groundwater samples were collected from SRI-4 and SRI-5 on June 19th, 2020. Prior to sampling for the additional constituents, the wells were purged using low-flow purging/sampling techniques. A peristaltic pump and dedicated tubing was set up at each monitoring well location. During well purging, field measurements of temperature, pH, turbidity, specific conductivity, oxidation reduction potential (ORP), and dissolved oxygen (DO) were recorded until the field parameters had stabilized. Groundwater field sampling data sheets indicating the static water levels and field characteristics of the samples are presented in Appendix B. Samples were collected from each location using the following general methodology:

8. The static water level was measured, and recorded to the nearest 1/100th of a foot, using an electronic tape;
9. An initial round of field parameters was taken;
10. Began well purging/stabilization;
11. Purged well until all field parameters were stabilized;
12. Groundwater samples were collected using the peristaltic pump and tubing with the samples bottled filled in the order designated in the SAP;
13. All measurements, including static water level and total depth of well, were logged including the date and time of collection;
14. Preserved samples were placed in coolers with ice along with the appropriate chain-of-custody forms for transport to the laboratory.

The groundwater samples were submitted to Pace Analytical of Rotterdam, NY for analysis of TCL VOCs, SVOCs, Pesticides, and TAL metals. The results of the groundwater samples are discussed in Section 3.2.3.

2.4.9 Soil Vapor Sampling

During the Supplemental RI, a total of ten (10) soil vapor points were installed throughout the site on June 16-17, 2020, identified as SV-1 through SV-10. Three (3) soil vapor points were installed downgradient of soil boring RI-3 near the property line, and seven (7) soil vapor points were installed along the site perimeter and in the center of the site (refer to Figure 2). Soil vapor boring installations were completed by North Star Drilling, of Homer NY using a Direct Push (Geoprobe) rig to a total depth of 15 feet bgs. The soil vapor boring locations were installed in accordance with NYSDOH/DER-10 regulations.

A representative soil vapor sample was collected via SUMMA canister from each soil vapor point on June 17-18, 2020 and submitted to Pace Analytical for the analysis of VOCs. The SUMMA Canister dedicated to each soil vapor sampling location, collected a 2-hour interval soil vapor sample. The initial and final pressure of each canister, the start and end time of collection, and sampling location was recorded on the canister tag, as well as the COC. Pace Analytical of Rotterdam, NY provided a courier service by 3:00 pm each day of sampling for sample collection.

In addition, one (1) ambient outdoor air sample was collected and submitted to Pace Analytical for the analysis of VOCs (refer to Figure 2).

The results of the soil vapor samples are discussed in Section 3.2.6 and the analytical results are included in Appendix C.

2.4.10 CAMP

During the September 2019 and June 2020 remedial investigations NYSDOH Community Air Monitoring Plan (CAMP) was implemented to monitor fugitive dust/particulate and volatile organic compound vapors generated at the downwind direction of the work area. From September 17-19, 23-24, 2019, and from June 16-18, 2020 one designated upgradient Dust-Trak and one designated downgradient Dust-Trak were implemented to continuously monitor particulates during each remedial investigation. In addition, one PID meter was established downgradient in the designated down gradient Dust-Trak Pelican Box. It should be noted on June 16th, 2020 the downgradient Dust-Trak malfunctioned after approximately 4 hours of logging.

Throughout the 2019 and 2020 RI investigations no particulate exceedances (particulate value greater than 100 mcg/m3 for more than a 15-minute interval) were observed upwind or downwind. No corrective measures were required to be implemented during the investigation. Additionally, during the 2019 and 2020 RI investigations no total organic vapor exceedances (VOC value greater than 5 ppm for more than a 15-minute interval) were observed downwind. No corrective measures were required to be implemented during the investigation.

The CAMP data for the 2019 and 2020 remedial investigations are provided in Appendix G.

2.5 Quality Assurance/Quality Control

Several steps, as outlined below, were taken in the field to ensure that samples were representative of site conditions while minimizing the potential for cross-contamination.

2.5.1 Decontamination of Equipment

The decontamination of non-dedicated equipment and tools was used during drilling, well installation, and sampling activities; all decontamination processes were performed in accordance with the procedures outline in the Work Plan and SAP. Upon completion of each boring, the drilling equipment and down-hole tools were cleaned with a high-pressure steam system and allowed to air dry. Between consecutive soil sample intervals, each split-spoon sampler was scrubbed using Alconox® soap wash and potable water rinse; and following each monitoring well installation, augers were decontaminated following completion of each boring. Macro-core (acetate sleeves) used to sample during the June 2020 RI were disposed of after each use. These steps provided assurance that soil samples and subsequent headspace measurements of volatile organic vapors were not subject to cross-contamination.

2.5.2 Equipment and Trip Blank

The sampling procedures used during the investigation activities involved dedicated equipment. This included the use of disposable bailers/dedicated tubing for well development and tubing for groundwater sampling Soil samples were collected using non-disposable equipment such as a hand trowel for the surface samples and split-spoons for the subsurface samples during the

September 2019 RI. Disposable macro-core (acetate sleeves) were used for subsurface samples and surface sampling was not implemented during the June 2020 supplemental RI.

Equipment blanks were taken from disposable and non-disposable equipment during the September 2019 RI. The first equipment blank was taken from a fully decontaminated hand trowel for the surface soil samples, a second equipment blank was collected from a fully decontaminated split-spoon sampler for the subsurface soil samples, and a third equipment blank was collected from unused tubing and a PFAS-free bailer for the groundwater samples. A PFAS-free bailer was used for the groundwater equipment blank sample analyzed for PFAS while the peristaltic pump tubing was used for the rest of the groundwater equipment blank analyses.

The surface soils equipment blank was submitted to Eurofins Test America Laboratories of Buffalo, NY for analysis of the Target Compound List (TCL) for VOCs using EPA Method 8260C, TCL SVOCs using Method 8270D, PCBs using EPA Method 8082A, Pesticides using Method 8081B, TAL Metals (including Mercury) using EPA Methods 6010C (Metals) and 7471B (Mercury), Cyanide using EPA Method 9012B, Hexavalent Chromium using EPA Method 7196A, 1,4-Dioxane using EPA Method 8270D_SIM, and PFAS using the modified Method 537 .

The subsurface soils equipment blank was submitted for the analysis of TCL VOCs using EPA Method 8260C, TCL SVOCs using Method 8270D, PCBs using EPA Method 8082A, Pesticides using Method 8081B, TAL Metals (including Mercury) using EPA Methods 6010C (Metals) and 7471B (Mercury), Cyanide using EPA Method 9012B, and Hexavalent Chromium using EPA Method 7196A.

The groundwater equipment blank was submitted for the analysis TCL PCBs using EPA Method 8082A, TCL Pesticides using EPA Method 8081B, TCL SVOCs using EPA Method 8270D, TCL VOCs using EPA Method 9260C, TAL Metals using EPA Method 6010C, Mercury using EPA Method 7470A, Total Cyanide using EPA Method 335.4, and Hexavalent Chromium using EPA Method 7196A, PFAS using the modified Method 537, and 1,4-Dioxane using EPA Method 8270D_SIM.

Trip blanks, analyzed for VOC parameters, accompanied sample containers throughout all phases of groundwater/water collection during each remedial investigation. Trip blanks received identical handling as all on-site sampling to ensure that the sample bottles were properly prepared, handled, and analyzed by the laboratory without cross-contamination occurring.

During the June 2020 Supplemental RI, the equipment blank was collected from unused peristaltic pump tubing for the groundwater samples and submitted to Pace Analytical for VOCs, SVOCs, Pesticides, and TAL metals screening.

2.5.3 Blind Duplicate and Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

In addition to equipment blanks and trip blanks, blind duplicate and matrix spike (MS)/matrix spike duplicate (MSD) samples were also collected. One (1) blind duplicate sample, one (1) MS

sample, and one (1) MSD sample were collected per every 20 media samples and analyzed for the respective media analysis list. Blind duplicate samples were collected from two (2) surface soil locations and two (2) HFM subsurface location, one (1) native soil subsurface location, and three (3) groundwater locations. MS/MSD samples were collected from one (1) surface soil location, one (1) HFM subsurface location, two (2) native soil subsurface location, and two (2) groundwater location. Listed in the table below are the blind duplicate samples with the associated parent locations and sampling media.

BLIND DUPLICATE & ASSOCIATED PARENT LOCATIONS					
SURFACE SOIL		**SUBSURFACE SOIL**		**GROUNDWATER**	
DUPE 1	RI-3 S 0-2" (9/16/19)	DUPE 3	RI-3 SS 18-20' (9/17/20)	DUPE 5	RI-5 (9/26/19) (PFAS only)*
DUPE 2	RI-16 SURFACE (9/17/19) (PFAS only)*	DUPE 4	RI-2 SS HFM (8/18/19)	DUPE 6	RI-12 (9/30/19)
		DUPE-X	SRI-4 FILL MATERIAL (6/16/20)	DUPE-X	SRI-5 (6/19/20)

The surface soil blind duplicate and MS/MSD samples were submitted Eurofins Test America Laboratories of Buffalo, NY for analysis of the Target Compound List (TCL) for VOCs using EPA Method 8260C, TCL SVOCs using Method 8270D, PCBs using EPA Method 8082A, Pesticides using Method 8081B, TAL Metals (including Mercury) using EPA Methods 6010C (Metals) and 7471B (Mercury), Cyanide using EPA Method 9012B, Hexavalent Chromium using EPA Method 7196A, and 1,4-Dioxane using EPA Method 8270D_SIM. One of the duplicate samples was analyzed for PFAS using modified Method 537 only.

The subsurface soil blind duplicates and MS/MSD samples were submitted for the analysis of TCL VOCs using EPA Method 8260C, TCL SVOCs using Method 8270D, PCBs using EPA Method 8082A, Pesticides using Method 8081B, TAL Metals (including Mercury) using EPA Methods 6010C (Metals) and 7471B (Mercury), Cyanide using EPA Method 9012B, and Hexavalent Chromium using EPA Method 7196A.

During the June 2020 Supplemental RI, in addition to the subsurface samples collected from SRI-1 through SRI-5, one blind duplicate (parent location SRI-4 Fill Material), one MS, and one MSD were collected and submitted to Pace Analytical for the analysis of TCL SVOC, TCL VOCs, and TAL Metals (including Mercury).

The groundwater blind duplicates and MS/MSD samples collected during the September 2019 investigation were submitted for the analysis TCL PCBs using EPA Method 8082A, TCL Pesticides using EPA Method 8081B, TCL SVOCs using EPA Method 8270D, TCL VOCs using EPA Method 8260C, TAL Metals using EPA Method 6010C, Mercury using EPA Method 7470A, Total Cyanide using EPA Method 335.4, and Hexavalent Chromium using EPA Method 7196A, and 1,4-Dioxane using EPA Method 8270D_SIM. One of the duplicate samples was analyzed for PFAS using the modified Method 537 only.

During the June 2020 Supplemental RI, in addition to the groundwater samples collected from SRI-4 and SRI-5, one blind duplicate (parent location SRI-5), one MS, and one MSD were collected and submitted to Pace Analytical for the analysis of TCL Pesticides, TCL SVOC, TCL VOCs, and TAL Metals.

2.5.4 Documentation

Sample deliveries to the laboratory, or courier services were accompanied by appropriate chain-of-custody records. Information relevant to the sampling activities was provided on these records, including sampling date and time, sample identification, number of bottles filled at each location, preservatives used, date and time of shipment, trip blanks included, and release signature. Chain-of-custody records are provided in Appendix D.

Field sampling data sheets were completed in the field for each monitoring well sampling location. Pertinent data, including sample location, date, volume purged, static water level, total well depth, weather conditions, sample appearance, and the results of the field parameter determinations were appropriately recorded. Field sampling data sheets are provided in Appendix B.

2.5.5 Equipment Calibration

Instrument calibrations were performed in general accordance with the SAP.

2.5.6 Data Validation

Data generated during the September 2019 sampling event (soil, groundwater, and quality assurance/quality control samples) were subjected to an independent third-party data validation performed by Alpha Geoscience of Clifton Park, NY. Copies of the validation summaries and validated laboratory reports are included in Appendix E. The data validation indicates the site data to be considered technically defensible and usable in the validated form. There are no data that qualified as rejected, unusable (R) in the validated data packs and the data was found to be acceptable. Minor changes to laboratory qualifiers (U, J, E etc.) were made during the validation, and these changes are reflected in the Appendix E documentation.

2.5.7 Investigative Derived Waste, Storage, Sampling, and Disposal

Investigative Derived Waste (IDW) consisting of wash water, purge water, personal protective equipment, sampling tools and supplies, and soil cuttings were containerized in NYSDOT-approved 55 gallon drums, profiled, labeled and transported by MC Environmental Services, Inc., of Glens Falls, NY to Veolia Environmental Services, LLC., of West Carrollton, OH for proper disposal in accordance with the approved work plan and NYSDEC DER-10 procedures. The non-hazardous waste manifest for IDW disposal has been included in Appendix H.

Prior to transport and disposal, IDW drums labeled RI-3, RI-16, RI-4 Misc, and RI-2/1 were required to be sampled by B&L staff. Samples were submitted to ALS Environmental of

Middletown, PA (NELAP Certified) and analyzed for select total metals using the Toxicity Characteristic Leaching Procedure (TCLP) and wet chemistry. Specifically, IDW drum RI-3 contained purge water and was only analyzed for total lead, and IDW drums RI-16, RI-4 Misc, and RI-2/1 contained soil cuttings were analyzed for total lead, total mercury, moisture, and total solids. The analytical results for the IDW drums can be found in Appendix I.

During the June 2020 supplemental remedial investigation a total of two (2) IDW drums consisting of wash water, purge water, and soil cuttings were containerized in NYSDOT-approved 55 gallon drums, profiled and labeled.

2.6 Analytical Data Analysis

Throughout this report, the identified contaminants of concern (which are discussed in Section 3.0) in the subsurface boring samples and surface soil samples are compared to the NYSDEC Part 375 Restricted-Residential Use and Unrestricted Use SCOs. Groundwater data is compared to the NY TOGS 1.1.1 Water Quality Standards and Guidance Values.

Data summary tables were prepared for each of the analytical data packages received throughout the site investigation. The summary tables are found as Tables 1-9at the end of this report and the complete analytical laboratory reports are included electronically as Appendix C.

3.0 REMEDIAL INVESTIGATION RESULTS

This section presents data collected through literature review and the physical investigations at the Site in order to characterize the climate, geologic setting and hydrogeologic characteristics, ecology, wetlands, and sensitive environments at the Site. The information gathered during the physical investigation can aid in understanding and interpreting the analytical results as well as determining potential future risks from residual contaminants that may remain at the Site.

3.1 Physical Setting

3.1.1 Surface Features

The general topography of the majority of the site is fairly level, with slight decreases in elevation along the western and southwestern portions of the site. The adjacent property usages is commercial to the north, west, and south, and residential and commercial to the east.

3.1.2 Climate

The general climate in Rensselaer County is cool and humid, representative of the Northeastern United States (Pack, 1972). Summers are warm with occasional short periods of high temperatures. Winters are typically long and cold with moderate accumulations of snowfall.

Lengthy periods of either abnormally cold or warm weather result from the movement of high pressure (anti-cyclonic) systems into and through the Eastern United States. Cold winter temperatures prevail over New York whenever Arctic air masses, under high barometric pressure, flow southward from central Canada or from Hudson Bay. High pressure systems often move just off the Atlantic coast, become more or less stagnant for several days, and then a persistent airflow from the southwest or south affects the State. This circulation brings the very warm, often humid weather of the summer season and the mild, more pleasant temperatures during the fall and spring seasons (Pack, 1972).

Annual precipitation for the Troy area (as recorded at Troy Lock and Dam, NY) for the period from 1981-2010 averaged approximately 40.8 inches. Average monthly precipitation was approximately 3.4 inches. The annual average temperature was 49.2º F, with an annual minimum of 39.3º F and annual maximum of 59.2º F. January is the coldest month on average (23.2º F), while the average monthly temperature is highest in July (73.3º F).

3.1.3 Surface Water Hydrology

The general overland flow of water within the vicinity of the site follows the topography. Based on topographical mapping, the site generally drains from north-northeast to south-southwest toward the lower elevations and low-lying areas adjacent to the Hudson River. The majority of the site is covered with impervious asphalt, concrete, and building foundations. The north western portion of the site is vegetated which promotes infiltration over this portions of the site.

3.1.4 Site Geology

The Site's soils are mapped by the United States Department of Agriculture Web Soil Survey as Urban Land. The Site's bedrock geology is mapped as Normanskill shale. The Site's subsurface conditions were assessed during an environmental investigation conducted in 2018 by C.T. Male Associates. The Site is mantled with historic fill material (HFM) which consists of sand and silt with varying percentages of brick, ceramic, concrete and asphalt material, cinders, coal, glass, metallic pieces, slag, and wood. The total depth of fill was indistinct and variable throughout the site. In such places where fill was noted, it generally graded to sand and/or clay and varying amounts of silt. The HFM extended to depths ranging from approximately 15- to 18-ft below grade. Groundwater was typically encountered at a depth of 12- to 17-ft on the site. Bedrock was not encountered during the subsurface investigations. The subsurface boring logs and monitoring well completion diagrams are attached in Appendix A.

3.1.5 Site Hydrogeology

Static water level elevations measured from the top of PVC in the overburden groundwater monitoring wells indicate a general flow pattern from the north-northeastern portion of the site towards the Hudson River to the southwest. Based on the static water levels collected in the monitoring wells in September 2019, the hydraulic gradient varies from the northeastern to the southeastern portion of the site (Figure 5). Groundwater elevations range from a depth of 13.16 feet bgs at monitoring well location RI-3 toa depth of 18.38 feet bgs at monitoring well location RI-12. As described above, the majority of the site is characterized as mainly flat-lying with a slight slope towards the south-southwest.

3.2 Nature and Extent of Contamination

The following section discusses the results of the Site Characterization identifying the contaminant distribution at the site. Summary tables of the laboratory data are located at the end of this report and the complete laboratory reports are found in Appendix C.

Throughout this report, the contaminants of concern detected in the analyzed soil samples are compared to the NYSDEC Part 375 Unrestricted SCOs that appear in table 375-6.8(a), as well as the NYSDEC Part 375 Restricted-Residential SCOs listed on table 375-6.8(b), which apply to the proposed future use of the site as an apartment complex. Groundwater data is compared to the NY TOGS 1.1.1 Standards. Field and trip blank data is presented in Tables 1 and 2.Results of the environmental investigation conducted in 2018 by C.T. Male indicate that the site is mantled with HFM that is environmentally impacted by VOCs, SVOCs, pesticides and metals at levels that exceed NYSDEC Part 375 Unrestricted and Restricted SCOs. The 2018 RI concluded that groundwater is environmentally impacted by SVOCs at monitoring well locations MW-4 and MW-6, and when compared to NY TOGS 1.1.1 Groundwater Standards, several total metal exceedances were displayed site wide. Visual and olfactory evidence of petroleum-type impacts were encountered in the Site's HFM, specifically concentrated at the 4-12 foot depths at two (2) of the soil borings (GP-4 and GP-5).

Based on the results from the 2018 investigation, C.T. Male composed a work plan (conducted by B&L in 2019) which focused on the installation/sampling program soil borings and groundwater monitoring wells. The 2019 investigation was designed to focus the investigation in the north/northwest area of the site and the southeastern corner of the site where soil/groundwater guidance value exceedances were observed, in addition to further delineating contamination site wide.

Results from the environmental investigation conducted in 2019 by B&L indicates the HFM in the southeastern corner and the north/northwestern portion of the site are impacted by SVOCS, and total metal exceedances are observed in the HFM site wide. The 2019 RI concluded groundwater exceedances for pesticide alpha-BHC at location RI-1, VOCs parameters at location RI-3, in addition to site wide exceedances for total metals iron, manganese, and sodium. Visual and olfactory evidence of petroleum-type impacts were encountered in the Site's HFM and native soil in the northwest area of the site. Petroleum-type odors and black staining were noted at the 2-24 foot depths at six (6) of the soil borings (RI-3, RI-6, RI-9, RI-13, RI-15, and RI-16) completed during the investigation. An oily sheen was noted in the subsurface samples collected at the 14-20 foot depth from RI-3. This location displayed a peak PID reading of 704.7 ppm at depths 16-18 foot bgs.

Based on the results from the 2019 investigation, B&L composed a supplemental work plan as requested by the NYSDEC and NYSDOH (conducted by B&L in 2020), which focused on delineating the extent of potential subsurface contamination migrating off-site along the northwestern property boundary (RI-3 area). Furthermore, soil borings were installed in the southeast corner of the property to determine the nature and extent of the subsurface impacts reported at boring GP-1 (2018 RI) and at borings RI-7 through RI-10 (2019 RI). In addition, a soil vapor boring and sampling program was implemented site wide.

Results from the environmental investigation conducted in 2020 by B&L indicates the HFM in the southeastern corner in the area of GP-1 and RI-7 through RI-10, and the north/northwestern portion of the site in the area of RI-3 are environmentally impacted by SVOCS; total metal exceedances are observed site wide in the HFM. Groundwater sampled along the northwest property line at locations SRI-4 and SRI-5 displayed NY TOGS 1.1.1 groundwater standard exceedances for one or more of the total metals iron, manganese, nickel, and sodium; however no observed VOC or SVOC detections were reported. There were no other exceedances at these locations. Elevated sodium concentrations are likely associated with the rock-salt facility operating to the west of the site as well as road salt transported by vehicles during the winter onto the site. VOC detections were observed site wide in the soil vapor samples and the results have been presented in Section 3.2.6 below.

Based on the results from all three investigations (2018, 2019, and 2020) subsurface soil contamination occurs site wide in the HFM for total metals. SVOC contamination is concentrated in the northwest corner of the property (GP-4, SRI-5, RI-3, and RI-2) and in the south/southeastern portion of the site (GP-6, GP-1, GP-3, GP-2, RI-6, RI-14, SRI-1, and SRI-2). Groundwater contamination is concentrated in the north/northwest area of the site at monitoring locations MW-4 and RI-3.

Based on the groundwater results from SRI-4 and SRI-5, it appears that groundwater contamination associated with historical site operations are confined within the site limits. However, based on the direction of groundwater flow (east to west, Figure 5), the concentrations of exceedances observed at monitoring locations RI-3 and MW-4, and the proximity of RI-3 to the property line, there is the possibility that contamination could potentially migrate offsite in the future. Observed groundwater gradient at the site is generally from east to west and impacts to groundwater wells identified in section 3.4.3 presented below is not likely.

Figure 8 displays the soil boring locations with the associated guidance value exceedances for the 2018, 2019, and 2020 investigations. Figure 9 displays the groundwater monitoring locations with the associated guidance value exceedances for the 2018, 2019, and 2020 investigations.

3.2.1 Surface Soil Sampling

As noted in Section 2.4.1 above during the September 2019 investigation, seven surface soil samples (including two blind duplicate samples (refer to Section 2.5.3 for parent locations) were collected from various sampling locations across the site. Onsite surface conditions can generally be described as 1-2 inches of topsoil underlain by sand or a mixture of sand and gravel. Surface soil sampling locations are depicted in Figure 2 and a summary of the qualified surface soil data is presented in Table 3. PFAS results for surface soils are on Table 7.

Surface soil samples were collected from depths of 0-2 inches bgs and 0-6 inches bgs from sampling locations RI-3, RI-5, RI-16, RI-17, and RI-18. Surface samples collected from the 0-2 inch depth interval were analyzed for SVOCs, PCBs, Pesticides, TAL Metals (including Mercury), Cyanide, Hexavalent Chromium, 1,4-Dioxane, and PFAS. Samples collected from the 0-6 inch depth interval were analyzed for VOCs.

The seven collected surface soil samples did not exhibit VOC, SVOC, Cyanide, Hexavalent Chromium, PCB, 1,4-Dioxane, or PFAS concentrations in excess of the Part 375 Unrestricted Use or Part 375 Restricted-Residential Use SCOs. Five of the surface samples (including DUPE-1) exhibited several metals at concentrations greater than the Part 375 Unrestricted Use SCOs, but the concentrations did not exceed the Restricted-Residential Use SCOs. In addition, five (including DUPE-1) samples had an Unrestricted Use exceedance of 4-4'-DDT, but the concentrations did not exceed the SCO for Restricted-Residential Use.

Based on the results from the September 2019 RI the identified contaminants of concern for surface soil include pesticides and total metals. The following tables illustrate the contaminant concentrations that exceeded the Part 375 Restricted-Residential and/or Unrestricted SOCs from the surface soil sampling:

Surface Soil Sample NYSDEC Standards Exceedances: Metals (EPA Method 6010B)								
Parameter	**Part 375-6.8b Restricted Res**	**Part 375-6.8a Unrestricted**	**Units**	**RI-3 SURFACE**	**RI-16 SURFACE**	**RI-17 SURFACE**	**RI-18 SURFACE**	**DUPE-1 (RI-3 S 0-2")**
Copper	270	50	ppm	106	-	-	-	128
Lead	400	63	ppm	136	125	78.8	-	182
Mercury	0.81	0.18	ppm	-	0.21	-	-	-
Nickel	310	30	ppm	30.1	-	-	-	30.2
Zinc	10000	109	ppm	134	204	127	117	143
Items in **bold** exceed NYSDEC Part 375-6.8b SCOs for Restricted-Residential AND Unrestricted use								

Surface Soil Sample NYSDEC Standards Exceedances: Pesticides (EPA Method 8081B)								
Parameter	**Part 375-6.8b Restricted Res**	**Part 375-6.8a Unrestricted**	**Units**	**RI-3 SURFACE**	**RI-5 SURFACE**	**RI-17 SURFACE**	**RI-18 SURFACE**	**DUPE-1 (RI-3 S 0-2")**
4-4'-DDT	7900	3.3	ppb	8.6	7.6	4.9	4.8	4.8
Items in **bold** exceed NYSDEC Part 375-6.8b SCOs for Restricted-Residential AND Unrestricted use								

3.2.2 Subsurface Soil Sampling

As noted in Section 2.4.2 above, during the September 2019 investigation, a total of 17 soil borings were advanced, 9 of which were converted to monitoring wells to monitor the site groundwater quality. Subsurface soils were examined throughout the depth of each location's soil boring profile. Onsite conditions can generally be described as backfill material consisting of brick, ceramic, concrete and asphalt material, cinders, coal, glass, metallic pieces, slag, and wood, situated stratigraphically above the native sand, silt, and clay material. Groundwater was typically encountered at 12- to 17-feet on the site based on observations of saturation in the subsurface samples. Soil boring/monitoring well locations are depicted in Figure 2 and a summary of the qualified subsurface soil data is presented in Table 4. Locations with exceedances are shown on Figure 3.

Based on the work plan, one to two subsurface soil samples were collected from boring locations RI-1 through RI-6, RI-11, and RI-12 through RI-17. Samples were collected between depths of 14-22 feet bgs. A total of 20 soil samples (including two blind duplicate samples (refer to Section 2.5.3 for parent locations) were submitted from these locations for laboratory analysis of VOCs, SVOCs, PCBs, Pesticides, TAL Metals (including Mercury), Cyanide, and Hexavalent Chromium. In addition, four (4) subsurface soil samples were collected from boring locations RI-7 through RI-10 and three (3) subsurface soil samples were collected from boring location RI-11. A total of 19 soil samples were submitted from these locations for laboratory analysis of RCRA 8 Metals via the Toxicity Characteristics Leaching Procedure (TCLP) EPA

Methods 6010C (Metals) and 7470A (Mercury).None of the subsurface soil samples collected from RI-1 through RI-6 and RI-12 through RI-17 exhibited Cyanide, Hexavalent Chromium, or PCB concentrations in exceedance of the applicable Part 375 Restricted-Residential or Unrestricted SCOs. Four subsurface soil samples from locations RI-2 SS HFM, RI-6 SS HFM, and RI-14 SS 14-18' (including DUPE-4) exhibited several SVOCs (PAHs) at concentrations greater than the Part 375 Unrestricted and Restricted-Residential SCOs. Similarly, five (5) subsurface samples from locations RI-1 SS HFM, RI-2 SS HFM, RI-3 SS HFM, and RI-15 SS 18-20' (including DUPE-4), exhibited several metal exceedances above the Part 375 Unrestricted SCOs, four of which also exceeded the Restricted-Residential SCOs for at least one (1) parameter. Additionally, three (3) subsurface samples from locations RI-2 SS HFM and RI-6 SS HFM (including DUPE-4) exceeded Unrestricted SCOs for 4-4'-DDT, but they did not exceed the Restricted-Residential SCOs. There was one (1) VOC concertation of Total Xylenes in the DUPE-3 sample that exceeded the Part 375 Unrestricted SCOs, but the concentration did not exceed those for the Restricted-Residential.

All of the 19 subsurface soil samples (see Table 6) submitted for the analysis of RCRA 8 Metals via the TCLP EPA Method and Mercury were compared to the EPA Maximum Concentration of Contaminates for Toxicity Characteristics. There were no exceedances of this criteria within the 19 samples collected. Sample results for the 19 samples analyzed for RCRA 8 Metals are on Table 6.

3.2.3 Supplemental Subsurface Soil Sampling

As noted above in Section 2.4.3, during the June 2020 Supplemental RI, five (5) additional continuous subsurface soil samples were collected from locations, SRI-1 through SRI-5.

Three subsurface soil samples (SRI-1 COMP, SRI-2 COMP, and SRI-5 Fill Material) exhibited several SVOCs (PAHs) at concentrations greater than the Part 375 Unrestricted and Restricted-Residential SCOs. Similarly, eight (8) subsurface samples from locations SRI-1 9-12', SRI-2 0-3', SRI-2 3-6', SRI-2 9-12', SRI-2 12-15', SRI-4 Fill Material, SRI-5 Fill Material, and SRI-5 Native Material exhibited several metal exceedances above the Part 375 Unrestricted SCOs. There was one (1) VOC concertation of Acetone in SRI-3 Native Material that exceeded the Part 375 Unrestricted SCOs, but the concentration did not exceed those for the Restricted-Residential.

Based on the results from the September 2019 RI and June 2020 RI the identified contaminants of concern for subsurface soil include SVOCs, pesticides, and total metals mercury, lead, and zinc. The following tables illustrate field observations and contaminant concentrations that exceeded the Part 375 Restricted-Residential and Unrestricted SOCs from the subsurface soil sampling:

Soil Boring	Depth of Impact	Peak PID Reading (ppm)	Observed Contamination
RI-3	12' – 24'	**704.7** (16-18')	Staining and odor noted at 12-20'; odor noted at 10-12' and 22-24'
RI-6	8' – 12'	**24.8** (8-10')	Staining and odor noted at 8-12'
RI-9	2' – 6'	**32.6** (4-6')	No staining noted; odor noted at 2-6'
RI-13	12' – 14'	**18.2** (12-14')	Potential staining noted at 2-6; odor noted at 12-14'
RI-15	6' – 8'	**119.7** (6-8')	Staining noted at 4-12'; odor noted at 6-8'
RI-16	4' – 20'	**143.3** (16-18')	Staining noted at 4-18'; odor noted at 6-8' and 16-24'
SRI-3	14' - 20'	**18.5** (14-15')	No staining noted; odor noted 14-20'
SRI-4	6' – 20'	**12.3** (18-20')	No staining noted; odor noted 7-8' and 17-20'
SRI-5	8' – 9'	**0.3** (8-9')	No staining noted; no odor noted.

Soil Vapor Boring Location	Peak PID Headspace Reading (ppm)
SV-1	**16.9**
SV-2	**14.8**
SV-3	**0.6**
SV-4	**0.0**
SV-5	**3.4**
SV-6	**20.3**
SV-7	**0.0**
SV-8	**2.6**
SV-9	**12.2**
SV-10	**10.3**

Subsurface Soil Sample NYSDEC Standards Exceedances: Semi-Volatile Organic Compounds (EPA Method 8270D)															
Parameter	**Part 375-6.8b Restricted Res**	**Part 375-6.8a Unrestricted**	**Units**	**RI-2 SS HFM**	**RI-6 SS HFM**	**RI-14 SS 14-18'**	**DUPE-4 (RI-2 SS HFM)**	**SRI-1 COMP**	**SRI-2 COMP**	**SRI-2 COMP**	**GP01-2-4**	**GP02-4-6**	**GP03-2-4**	**GP04-10-12**	**GP06-4-6**
Benzo[a]anthracene	1000	1000	ppb	**1700**	**1400**	**-**	**5000**	**-**	**1770**	**1390**	**6500**	**1200**	**1400**	**12000**	**7800**
Benzo[a]pyrene	1000	1000	ppb	**1800**	**1200**	**-**	**4500**	**-**	**1470**	**-**	**5700**	**-**	**1500**	-	**6000**
Benzo[b]fluoranthene	1000	1000	ppb	**2100**	**1700**	**1300**	**5900**	**-**	**1770**	**-**	**7800**	**1200**	**2000**	**13000**	**7800**
Benzo[k]fluoranthene	3900	800	ppb	1200	-	-	2300	-	-	-	2500	-	-	**4400**	3400
Chrysene	3900	1000	ppb	2000	1400	1100	**5000**	1070	1930	1350	**6800**	1100	1500	**12000**	7400
Indeno[1,2,3-cd]pyrene	500	500	ppb	**1200**	**700**	**520**	**2500**	**-**	**809**	**506**	**3600**	**610**	**1000**	**7000**	**4100**
Dibenzo(a,h)anthracene	330	330	ppb	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**960**	**-**	**-**	**1900**	**1300**
Naphthalene	1000000	1200	ppb	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	18000	**-**
Phenol	1000000	330	ppb	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	1100	**-**
Items in **bold** exceed NYSDEC Part 375-6.8b SCOs for Restricted Residential AND Unrestricted use															

Subsurface Soil Sample NYSDEC Standards Exceedances: Metals (EPA Method 6010B)														
Parameter	**Part 375-6.8b Restricted Res**	**Part 375-6.8a Unrestricted**	**Units**	**RI-1 SS HFM**	**RI-2 SS HFM**	**RI-3 SS HFM**	**RI-15 SS 18-20'**	**DUPE-4 (RI-2 SS HFM)**	**SRI-1 9-12'**	**SRI-2 0-3'**	**SRI-2 12-15'**	**SRI-2 3-6'**	**SRI-2 9-12'**	**SRI-4 FILL MATERIAL**
Mercury	0.81	0.18	ppm	0.55	0.63	-	0.29	**1.0**	**-**	**-**	**-**	**-**	**-**	0.3
Arsenic	16	13	ppm	-	-	**27.9**	-	-	-	-	-	-	-	-
Chromium	-	30	ppm	-	-	-	-	-	-	-	-	-	-	-
Copper	270	50	ppm	-	153	-	-	159	-	-	-	-	-	-
Lead	400	63	ppm	**417**	**457**	-	107	**496**	**-**	148	-	122	135	-
Manganese	2000	1600	ppm	-	-	**2240**	-	-	**2310**	**-**	**-**	**-**	**-**	**-**
Nickel	310	30	ppm	-	-	68.0	53.2	-	-	-	-	-	-	-
Zinc	10000	109	ppm	-	1080	299	450	991	-	153	112	-	153	-
Items in **bold** exceed NYSDEC Part 375-6.8b SCOs for Restricted Residential AND Unrestricted use														

Subsurface Soil Sample NYSDEC Standards Exceedances Continued: Metals (EPA Method 6010B)										
Parameter	**Part 375-6.8b Restricted Res**	**Part 375-6.8a Unrestricted**	**Units**	**SRI-5 FILL MATERIAL**	**SRI-5 NATIVE MATERIAL**	**GP01-2-4**	**GP03-2-4**	**GP04-10-12**	**GP05-6-8**	**GP06-4-6**
Mercury	0.81	0.18	ppm	-	0.2	0.6	**1.9**	-	-	0.8
Arsenic	16	13	ppm	-	-	-	-	-	-	-
Chromium	-	30	ppm	-	-	-	-	-	41.4	-
Copper	270	50	ppm	-	-	**403**	96.9	69	50.4	-
Lead	400	63	ppm	-	-	**2760**	212	63.6	-	109
Manganese	2000	1600	ppm	**-**	**-**	**-**	**-**	**2200**	1760	**-**
Nickel	310	30	ppm	38.3	-	-	-	64.4	46.1	-
Zinc	10000	109	ppm	-	-	578	306	-	-	-
Items in **bold** exceed NYSDEC Part 375-6.8b SCOs for Restricted Residential AND Unrestricted use										

Subsurface Soil Sample NYSDEC Standards Exceedances: Pesticides (EPA Method 8081B)								
Parameter	**Part 375-6.8b Restricted Res**	**Part 375-6.8a Unrestricted**	**Units**	**RI-2 SS HFM**	**RI-6-SS HFM**	**DUPE-4 (RI-2 SS HFM)**	**GP01-2-4**	**GP03-2-4**
4-4'-DDT	7900	3.3	ppb	19	8.2	20	-	33.2
4-4'-DDE	7900	3.3	ppb	-	-	-	26	4.2
Items in **bold** exceed NYSDEC Part 375-6.8b SCOs for Restricted Residential AND Unrestricted use								

Subsurface Soil Sample NYSDEC Standards Exceedances: Volatiles (EPA Method 8260C)						
Parameter	**Part 375-6.8b Restricted Res**	**Part 375-6.8a Unrestricted**	**Units**	**DUPE-3 (RI-3 SS 18-20')**	**SRI-3 NATIVE MATERIAL**	**GP04-10-12**
Acetone	100000	50	ppb	-	115	110
Xylenes, Total	100000	260	ppb	590	-	-
2-Methylphenol	100000	330	ppb	-	-	980
3-Methylphenol/4-Methylphenol	-	330	ppb	-	-	2600
Items in **bold** exceed NYSDEC Part 375-6.8b SCOs for Restricted Residential AND Unrestricted use						

Subsurface Soil Sample NYSDEC Standards Exceedances: Semi-Volatile Organic Compounds (EPA Method 8270D)										
Parameter	**Part 375-6.8b Restricted Res**	**Part 375-6.8a Unrestricted**	**Units**	**RI-2 SS HFM**	**RI-6 SS HFM**	**RI-14 SS 14-18'**	**DUPE-4 (RI-2 SS HFM)**	**SRI-1 COMP**	**SRI-2 COMP**	**SRI-2 COMP**
Benzo[a]anthracene	1000	1000	ppb	**1700**	**1400**	**-**	**5000**	**-**	**1770**	**1390**
Benzo[a]pyrene	1000	1000	ppb	**1800**	**1200**	**-**	**4500**	**-**	**1470**	**-**
Benzo[b]fluoranthene	1000	1000	ppb	**2100**	**1700**	**1300**	**5900**	**-**	**1770**	**-**
Benzo[k]fluoranthene	3900	800	ppb	1200	-	-	2300	-	-	-
Chrysene	3900	1000	ppb	2000	1400	1100	**5000**	1070	1930	1350
Indeno[1,2,3-cd]pyrene	500	500	ppb	**1200**	**700**	**520**	**2500**	**-**	**809**	**506**
Dibenzo(a,h)anthracene	330	330	ppb	**-**	**-**	**-**	**-**	**-**	**-**	**-**

3.2.4 Groundwater Sampling

As noted in Section 2.4.4 above, during the September 2019 RI, 17 soil borings were advanced, 9 of which were converted to monitoring wells to monitor the site groundwater quality. Groundwater was typically encountered between depths of 12 to 17 feet on the site based on observations of saturation in the subsurface soil samples. Soil boring/monitoring well locations are depicted in Figure 2 and a summary of the qualified groundwater data is presented in Table 5. PFAS results for groundwater are presented in Table 8. Locations with exceedances are shown on Figure 4.

During the September 2019 remedial investigation, a total of 11 groundwater samples (including two blind duplicate samples (refer to Section 2.5.3 for parent locations) were submitted for laboratory analysis. The samples were analyzed for VOCs, SVOCs, PCBs, Pesticides, TAL Metals (including Mercury), Cyanide, Hexavalent Chromium, 1,4-Dioxane, and PFAS.

The 11 collected groundwater samples did not display concentrations of Cyanide, Hexavalent Chromium, or PCB in excess of the NY TOGS 1.1.1 Water Quality Standards and Guidance Values. Of the 11 groundwater samples, only one location, RI-3, had exceedances of VOCs and SVOCs. Three locations (RI-1, RI-2, and RI-14) exceeded the criteria for alpha-BHC (a pesticide) and all locations exhibited at least one TOGS 1.1.1 Water Quality Standards and Guidance Values exceedance for Metals.

Each monitoring well exhibited concentrations of various metals above the NYSDEC groundwater standards; however, the majority of these metal exceedances (such as iron and magnesium) were likely attributable to the sample turbidity rather than indicators of actual groundwater quality. As indicated on the field sampling data sheets (Appendix B), turbidity values ranged from 4.36-148 NTUs. The elevated sodium concentrations in the groundwater may be due to the urban character of the site and vicinity, and associated with the use of road salt for clearing snow and ice in the winter.

3.2.5 Supplemental Groundwater Sampling

During the June 2020 supplemental RI, a total of three (3) groundwater samples, including one blind duplicate sample (refer to Section 2.5.3 for parent location) were submitted for laboratory analysis to Pace Analytical. The samples were analyzed for VOCs, SVOCs, Pesticides, and TAL Metals (including Mercury).

All three (3) groundwater samples, SRI-4, SRI-5, and blind duplicate (parent location SRI-5) exhibited concentrations of various metals above the TOGS 1.1.1 Water Quality Standards and Guidance Values. The majority of these metal exceedances (such as iron, magnesium, and sodium) were likely attributable to the sample turbidity rather than indicators of actual groundwater quality. As indicated on the field sampling data sheets (Appendix B), turbidity values ranged from 4.76-18.6 NTUs.

No other groundwater standard exceedances were observed during the 2020 investigation, however it should be noted a petroleum-type odor was noted at location SRI-4 during the sampling event.

Based on the results from the April 2018, September 2019 and June 2020 remedial investigations it appears the contaminants of concern for groundwater include VOCs, SVOCs, pesticide alpha-BHC, and total metals iron, manganese, and sodium. The following tables illustrate the contaminant concentrations that exceeded the NY TOGS 1.1.1 Water Quality Standards and Guidance Values from the groundwater sampling:

Groundwater NYSDEC Standards Exceedances: Volatile Organic Compounds (EPA Method 8260)			
Parameter	**NY TOGS 1.1.1 Water Quality Standards & Guidance Values**	**Units**	**RI-3**
Ethylbenzene	5	ppb	6.2
Isopropylbenzene	5	ppb	70
Xylenes, Total	5	ppb	80

Groundwater NYSDEC Standards Exceedances: Semi-Volatile Organic Compounds (EPA Method 8270D)					
Parameter	**NY TOGS 1.1.1 Water Quality Standards & Guidance Values**	**Units**	**RI-3**	**MW-4**	**MW-6**
Benzo(a)anthracene	0.002	ppb	-	0.22	0.04
Benzo(a)pyrene	-	ppb	-	0.21	-
Benzo(b)fluoranthene	0.002	ppb	-	0.25	0.04
Benzo(k)fluoranthene	0.002	ppb	-	0.1	-
Chrysene	0.002	ppb	-	0.24	-
Indeno(1,2,3-cd)pyrene	0.002	ppb	-	0.1	-
Naphthalene	10	ppb	10	-	-

Groundwater NYSDEC Standards Exceedances: Pesticides (EPA Method 8081B)					
Parameter	**NY TOGS 1.1.1 Water Quality Standards & Guidance Values**	**Units**	**RI-1**	**RI-2**	**RI-14**
alpha-BHC	0.01	ppb	0.027	0.031	0.033

Groundwater Sample NYSDEC Standards Exceedances: Metals (EPA Method 6010B)										
Parameter	**NY TOGS 1.1.1 Water Quality Standards & Guidance Values**	**Units**	**RI-1**	**RI-2**	**RI-3**	**RI-4**	**RI-5**	**RI-6**	**RI-12**	**RI-14**
Iron	0.3	ppm	7.6	-	22.9	0.35	2.6	0.71	1.4	0.34
Manganese	0.3	ppm	0.95	-	0.30	2.7	4.7	4.2	5.7	2.2
Sodium	20	ppm	-	118	23.2	110	111	86.3	102	127
Nickel	0.1	ppm	-	-	-	-	-	-	-	-
Lead	0.025	ppm	-	-	-	-	-	-	-	-
Barium	1	ppm	-	-	-	-	-	-	-	-
Beryllium	0.003	ppm	-	-	-	-	-	-	-	-
Selenium	0.01	ppm	-	-	-	-	-	-	-	-
Mercury	0.0007	ppm	-	-	-	-	-	-	-	-

Groundwater Sample NYSDEC Standards Exceedances Continued: Metals (EPA Method 6010B)											
Parameter	**NY TOGS 1.1.1 Water Quality Standards & Guidance Values**	**Units**	**RI-16**	**DUPE-6 (RI-12)**	**DUPE-X (SRI-5)**	**SRI-5**	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-6**
Iron	0.3	ppm	8.3	1.4	7	1	31.7	23.8	65	65.3	9.9
Manganese	0.3	ppm	0.73	5.7	3.4	-	2.517	6.039	16.18	5.636	5.871
Sodium	20	ppm	40.6	103	70.5	-	77	88.6	82.8	94.1	96.3
Nickel	0.1	ppm	-	-	-	0.318	-	-	-	-	-
Lead	0.025	ppm	-	-	-	-	0.02594	0.03725	0.0756	47.08	-
Barium	1	ppm	-	-	-	-	-	-	1.948	-	-
Beryllium	0.003	ppm	-	-	-	-	-	-	0.0052	-	-
Selenium	0.01	ppm	-	-	-	-	-	-	0.0019	-	-
Mercury	0.0007	ppm	-	-	-	-	-	-	-	0.00089	-

3.2.6 Soil Vapor Sampling

During the June 2020 Supplemental RI, a total of ten (10) soil vapor boring points were installed throughout the site on June 16-17, 2020, identified as SV-1 through SV-10. Three (3) soil vapor points were installed downgradient of soil boring RI-3 near the property line, and seven (7) soil vapor points were installed along the site perimeter and in the center of the site (refer to Figure 2). All soil vapor borings were installed to a total depth of 15' bgs.

A representative soil vapor sample was collected via SUMMA canister from each soil vapor boring location on June 17-18, 2020 and submitted to Pace Analytical for the analysis of VOCs using EPA Method TO-15. The SUMMA Canister dedicated to each soil vapor sampling location, collected a 2-hour interval soil vapor sample at the total boring depth of 15' bgs.

Based on the results from site wide soil vapor sampling program, twenty-three (23) VOC parameters were detected in one of more soil vapor sampling locations. The following table illustrates the contaminant concentrations. It should be noted there are no NYSDOH Guidance Values for outdoor soil vapor sampling

Soil Vapor Sample NYSDOH Standards Exceedances: VOCs (Method TO-15)												
Parameter	**Units**	**SV-1**	**SV-2**	**SV-3**	**SV-4**	**SV-5**	**SV-6**	**SV-7**	**SV-8**	**SV-9**	**SV-10**	**Ambient Ar**
Acetone	ug/m3		740	357		124		220			92.4	8.7
Benzene	ug/m3	27.2	37.7	3.5		3.3				116	2.3	
Bromomethane	ug/m3										1.3	
Chromomethane	ug/m3			5.8	52.1					1150		0.86
Dichlorodiflouromethane	ug/m3			9.9		2.8					3	2.6
Ethanol	ug/m3			71.7		32.6		50.8			18.3	7.8
Ethylbenzene	ug/m3					2.4					3	
n-Hexane	ug/m3					325						1.4
2-Butanone (MEK)	ug/m3	2590	1870	2840	1830	1160	1050	616	4530		822	
Carbon Disulfide	ug/m3			7.8		2.5					25.8	
n-Heptane	ug/m3	1080	917	434		236	705		1300	8590		
n-Hexane	ug/m3	4900	4170	1570	747		1610	13.5	3550	61400		
Toluene	ug/m3	726		8.1	5250	102	98.7	9.2		656	1000	
2-Hexanone	ug/m3			198		149		19.4			155	
Methylene Chloride	ug/m3					7.2		34				
Proplyene	ug/m3			211				50			23.7	
Styrene	ug/m3					3.2					2.8	
Tetrachloroethene	ug/m3					6.7					1.2	
1,1,1-Trichloroethane	ug/m3					6.7					7.2	
Trichlorofluoromethane	ug/m3			98.2		6.8					14.8	
m&o-Xylene	ug/m3					5.1					7	
o-Xylene	ug/m3					1.7					2.4	
Vinyl Acetate	ug/m3				99.8				396			
	ug/m3											

Detections of Methylene Chloride and Tetrachloroethene were reported below the NYSDOH Air Guideline Value, Table 3.1 from the "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" October 2006. There are no corresponding NYSDOH Air Guidance Values for the remaining VOC detections.

In addition, one (1) ambient outdoor air sample was collected and submitted to Pace Analytical for the analysis of VOCs (refer to Figure 2). The ambient air sample displayed various VOC parameters, however when compared to the NYSDOH Air Guideline Value, Table 3.1 from the "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" October 2006, the sample did not display any exceedances. As stated in the table above, the following VOCs were detected in the ambient air sample:

- Acetone
- Chloromethane
- Dichlorodifluoromethane
- Ethanol
- N-Hexane

The analytical laboratory results are included in Appendix C.

3.3 Contaminant Fate and Transport

Contamination migration is governed by the nature of the contamination present and the movement of the contaminated phases. Contaminants may migrate via advection, mechanical dispersion, and/or diffusion.

The contaminants encountered at the site are discussed in previous sections of this report. In summary, the investigation identified VOCs, SVOCs, pesticides, and total metals in the subsurface soil samples; pesticides and total metals in the surface samples; and VOCs, SVOCs, pesticides, and total metals in the site groundwater. In this section, the contaminants encountered at the site and their chemical properties are discussed with regard to the potential routes of migration and transport mechanisms.

3.3.1 Potential Routes of Migration

3.3.1.1 Air Transport

Contaminants may migrate through the air either as vapors or as particulates. Based on field observations the surrounding land-use is considered urban/industrial. Residential homes or paved surfaces surround the site with little to no redevelopment at this time. The site is currently paved, the potential for airborne particulate transport at or around the site is considered to be minimal and therefore does not warrant further investigation. Volatilization from soil is the primary route of non-particulate airborne contamination.

Several VOC parameter concentrations were present in soil vapor locations SV-1 through SV-10, including the ambient air sample. However, absence of VOC contamination was presented in surface soil, and only one detection of xylene above unrestricted use SCOs in the subsurface, this is not a transport mechanism of concern. Because VOCs were detected in groundwater, vapor migration into structures is a potential migration pathway of concern.

3.3.1.2 Soil Transport

The primary mechanism of contaminant migration through soil transport is through erosion of contaminated material. Because the site and surrounding areas are paved and relatively level, this mechanism of transport is not a migration pathway of concern.

3.3.1.2 Groundwater Contaminant Transport

Infiltration of recharge downward through the vadose zone is a potential transport mechanism (i.e., leaching) that allows contaminants to enter the groundwater regime. One monitoring well (RI-3) exhibited several exceedances of VOC and SVOC compounds, with minimal contamination of VOCs and SVOCs present elsewhere in the groundwater. RI-3 had detections of ethylbenzene, isopropylbenzene, and total xylenes (VOCs) and naphthalene (SVOC) that exceeded the NY TOGS 1.1.1 Standards. Monitoring well RI-16, which is in the vicinity of RI-3, also had low-level concentrations of VOCs and SVOCs, but the concentrations did not exceed the respective groundwater standards.

Metals contaminants in the soil have the potential to leach into the groundwater and potentially migrate off-site. However, most metals tend to have lower mobility in water, and therefore are less likely to leach into, or migrate via the groundwater flow regime. The metal concentration exceedances reported at the site for iron, magnesium, and sodium are considered to be exacerbated by sample turbidity and urban site setting, as previously discussed in second 3.2.4. One pesticide (alpha-BHC) was found in three wells (RI-1, RI-2, RI-14) at low-level concentrations that slightly exceeded the groundwater standard for that constituent. There were no reported exceedances of PCBs or PFAS compounds in the analyzed groundwater samples, as compared to the applicable groundwater standards.

Based on the above, the groundwater quality at the site does not appear to be significantly impacted, with the exception of monitoring well RI-3. Given the location of monitoring well RI-3 with respect to the property boundary, and taking into account the regional direction of groundwater flow to the west towards the Hudson River, the potential exists for the groundwater contamination encountered at monitoring well RI-3 to migrate in a westerly

direction in the opposite direction of surrounding residences. Between the Site and the Hudson River (approximately 1,000 feet west) is American Rock Salt CO, LLC. Based on field observations it appears this is the storage and transport facility for mined rock salt. Daily operations at this business would not be affected by groundwater contamination migration.

3.3.2 Contaminant Persistence and Degradation

Based on the above, the PAH contamination detected in several subsurface soil samples collected in the northern half of the site and SRI-2 COMP in the southeastern portion of the site, and the VOC and SVOC contamination detected in the groundwater at monitoring well location RI-3 are considered to be the primary environmental concerns at the site. Under appropriate conditions, including the presence of aerobic conditions and sufficient micronutrients, the VOCs and SVOCs (which at this site are all forms of hydrocarbons) are biodegradable and may degrade with time. The pesticide detected is not biodegradable under conditions typically encountered and would be more persistent.

3.4 Qualitative Human Health Exposure Assessment

3.4.1 Evaluation of Possible Exposure Pathways

Existing conditions on-site include the sales and services of commercial water and wastewater equipment, recycling of electronics products, and cold storage. These activities consist of moderate truck traffic throughout most of the work day. Most of the site is paved with small patches of grass in the northern end of the property and along the southern boundary. The surrounding land-use is considered urban/industrial. The north is bordered by residential homes, to the east by residential homes and a vacant commercial property, to the west by American Rock Salt Co., LLC, a rock salt storage yard, and to the south by multi-use industrial building. Based on field observations the industrial building to the south appears abandoned, with the exception of miscellaneous automotive repairs in an attached garage.

The following assessment evaluates the existing conditions on site and area surrounding the site, as well as the future development in conjunction with observed soil and groundwater contaminant conditions at the site, and the migration potential of these contaminants to determine which exposure pathways, if any, represent a current or future exposure risk.

Typical exposure pathways for site contaminants include direct contact with impacted soil or groundwater (absorption pathway), inhalation of vapors from soil or groundwater contamination (inhalation pathway), or ingestion of soil or groundwater contaminants (ingestion pathway). These pathways are discussed briefly below with respect to the site conditions encountered during the Remedial Investigation.

3.4.1.1 Evaluation of Absorption Pathway

Five of the surface soil samples exhibited several metals parameters at concentrations greater than the Part 375 Unrestricted Use SCOs, but the concentrations did not exceed the Restricted-Residential Use SCOs. In addition, mercury, arsenic, and lead were observed above the NYSDEC Part 375 Restricted-Residential SCOs at four subsurface soil sample locations.

PAHs were detected in four of the analyzed subsurface soil samples at concentrations above the applicable NYSDEC Part 375 Restricted-Residential SCOs. PAHs are commonly detected in urban environments and are often associated with historical fill material; as such, their occurrence at the site is not considered to represent a unique or site specific condition.

Based on the above, the potential exists for construction workers to be exposed to the metals and PAHs and metals detected in the surface and subsurface soils, respectively, during the performance of future site redevelopment activities. However, the PAH and metals compounds are present at low concentrations that are typically encountered in urban areas and are not considered to pose a health threat if the appropriate health and safety precautions are implemented. Based on field observations the surrounding land-use is considered urban/industrial with little to no redevelopment or construction at this time. Therefore, the absorption pathway does not appear to be a significant exposure pathway on or surrounding the site.

3.4.1.2 Evaluation of Inhalation Pathway

Volatilization from groundwater and/or soil is the primary route of airborne contamination. One monitoring well (RI-3) exhibited several exceedances of VOC and SVOC compounds, with minimal contamination of VOCs and SVOCs present elsewhere in the groundwater. However, the concentrations of VOCs and SVOCs detected in monitoring well RI-3 are low, and hydrocarbons tend to aerobically degrade in the vadose zone during migration. It should be noted that results of the soil vapor survey detected concentrations of VOCs site wide. There are residential homes to the north of the site, however the type of contamination found in the soil vapor aerobically biodegrade before migrating into buildings. Based on the surrounding land-use (urban/industrial) at this time ground disturbance and development does not pose a risk. In the future, the area surrounding the site has the potential for redevelopment. Based on the type of ground disturbance and proximity to the Site, inhalation pathways can be avoided if appropriate health and safety precautions are implemented. Furthermore, the proposed future development of the site consists of a parking lot on the ground floor, with apartment units located above the parking lot.

Therefore, the inhalation pathway does not appear to be a significant exposure pathway on or surrounding the site.

3.4.1.3 Evaluation of Ingestion Pathway

There are no private water supply wells serving nearby residents (residents are on the City's public water supply), and as such, there are no complete exposure pathways for the ingestion of groundwater from the site (refer to Section 3.4.3 for water well proximity to the site). Health impacts through ingestion of groundwater is not a concern, given the fact that the surrounding area is on a publicly supplied water. Additionally, review of registered water wells within the vicinity of the site, indicate the closest registered groundwater wells from the site at a distance of 2.4 to 2.5 miles away. However, should drinking water wells be installed in the future near the site, a completed ingestion pathway may exist.

3.4.2 Summary of Evaluation of Possible Exposure Pathways

Based on the evaluation of possible exposure pathways there are exposure pathways with regards to possible future events (e.g. site construction or future groundwater well installation) that could directly expose potential site workers to the residual contaminants through the absorption or ingestion exposure pathways. Future inhalation exposure pathways may be present if future development differs from the design currently proposed.

3.4.3 NYS Water Wells

A review of water well information obtained from a 5 mile buffer area around the Poestenkill site was performed using information obtained from a combination of resources including: Rensselaer County GIS, New York State Registered Water Well database, and New York State GIS Clearinghouse. Figure 6 presents the well locations identified during the water well search. Based on the survey, the water well closest to the Site is designated as NYRD10394 and is located approximately 1.5 miles northwest of the site, across the Hudson River in Watervliet. The next closest water well to the Site is designated as NYRD10002 and is located approximately 2.6 miles east of the Site off Brunswick Road. Other notable water wells are located due south of the site in North Greenbush approximately 3.0 miles away. The regional groundwater flow is west to the Hudson River, located approximately 1,000 feet west of the Site. Based on this evaluation and surrounding-land use, at this time an ingestion pathway does not exist.

4.0 REMEDIAL INVESTIGATION SUMMARY

A phased RI of the Poestenkill Place property located 244-246 First Street in the City of Troy, Rensselaer County, New York, included a GPR survey, a surface soil sampling program, a subsurface boring and sampling program, a well installation program, a groundwater sampling program, a soil vapor boring and sampling program, and a CAMP program.

The results of this RI indicated that onsite subsurface conditions consisted of predominantly backfill material comprised of sand, gravel, brick, wood, glass, various metals, concrete, and asphalt, with native sand, clay, and silt material below the backfill. The total depth of fill was indistinct and variable throughout the site. In such places where fill was noted, it generally graded to sand and varying amounts of silt and clay. The HFM extended to depths ranging from 15 to 18 feet below grade. Groundwater was typically encountered from 13 to 18 feet on the site. Bedrock was not encountered during the subsurface investigation. The direction of groundwater flow was determined by analysis of static water levels at the permanent monitoring wells at the site, which indicated a western to southwestern flow pattern across the site towards the Hudson River. Surface water runoff on the site generally drains from northeast to southwest toward the lower elevations and low-lying areas adjacent to the Hudson River. The majority of the site is covered with impervious asphalt and concrete or a thick layer of gravel.

The field investigation activities performed during the months of September 2019 and June 2020 included surface soil sampling and the installation of subsurface soil borings and groundwater monitoring wells. Media sampled as part of the investigation included surface soil, subsurface soil, and groundwater. This investigation included 5 surface soil samples, 22 soil borings, a total of 56 subsurface soil samples, and 12 groundwater samples. The surface soil samples did not detect VOC, SVOC, pesticide, metals, or PCB concentrations in exceedance of the applicable Part 375 Restricted-Residential SCOs. Seven subsurface soil samples (including one blind duplicate sample (refer to Section 2.5.3 for parent locations) exhibited several SVOCs (PAHs) at concentrations greater than the applicable Part 375 SCO. Similarly, 13 subsurface samples (including one duplicate sample) exhibited at least one metal exceedance above the applicable SCOs.

The detected SVOC parameters in the subsurface soil samples consisted of PAHs. These compounds are very common in the urban environment, and are often associated with historical fill material.

Groundwater samples were collected from 11 monitoring wells on September 26, 2019, September 30, 2019, and June 19, 2020. One monitoring well (RI-3) exhibited three exceedances of the VOC compounds ethylbenzene, isopropylbenzene, and total xylenes and one low-level exceedance of SVOC compound naphthalene. No other collected groundwater samples exhibited exceedances of the applicable NYSDEC standards for VOCs and SVOCs, including areas downgradient of RI-3.

Each monitoring well exhibited concentrations of various metals above the NYSDEC groundwater standards; however, two of these metal exceedances (iron, manganese) may be attributable to the sample turbidity rather than indicators of actual groundwater quality. The elevated sodium concentrations in the groundwater may be due to the urban character of the site and vicinity, and

associated with the use of road salt for clearing snow and ice in the winter or adjacent property operations at the rock salt facility. In addition, three of the wells (RI-1, RI-2, and RI-14) exhibited low-level pesticide concentrations of alpha-BHC above laboratory detection limits.

Based on our evaluation of the soil and groundwater analytical laboratory test results and the completion of a Contaminant Fate and Transport assessment, which also considered possible future site development activities (e.g., site construction) that could potentially expose site workers to residual contaminants, B&L determined that the SVOC exceedances of the NYSDEC Part 375 Restricted-Residential SCOs reported in the seven (7) subsurface soil samples (RI-2 SS HFM, RI-6 SS HFM, RI-14 SS 14-18', DUPE-4 (RI-2 SS HFM) SRI-1 COMP, SRI-2 COMP, and SRI-5 Fill Material) and VOC exceedances reported in the one (1) groundwater sample (RI-3) represent potential absorption and ingestion exposure pathways. Therefore, appropriate site specific health and safety measures will be incorporated into the Site Management Plan for implementation during future construction activities to minimize exposure to impacted soils.

Review of site analytical data collected from remedial investigations performed in 2018, 2019, and 2020, reveal low-level, widespread site contamination of surface soil, subsurface soil and groundwater when compared to Unrestricted and Restricted Residential Guidelines. Site contaminants predominately consist of SVOCs and metals, with some exceptions as previously identified in this investigation report. Based on the observed widespread extent of generally low level impacts at the site, Poestenkill Place Limited Partnership would like to pursue an Unrestricted Residential site use classification. To pursue an Unrestricted Residential use classification, excavation and removal of the top 15 feet of material would be required followed by the replacement of certified clean fill material in accordance with NYS DER-10 criteria. Some residual impacts are observed at depths greater than 15 feet; however mass excavation of historical fill material across the site would significantly improve environmental conditions removing residual source materials likely resulting in the observed detections.

5.0 REFERENCES

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FIGURE 1
Site Location Map

Barton & Loguidice

POESTENKILL PLACE LIMITED PARTNERSHIP

REMEDIAL INVESTIGATION

SITE LOCATION MAP

TROY RENSSALAER COUNTY, NEW YORK

Date	Scale
JANUARY 2020	1" = 2000'

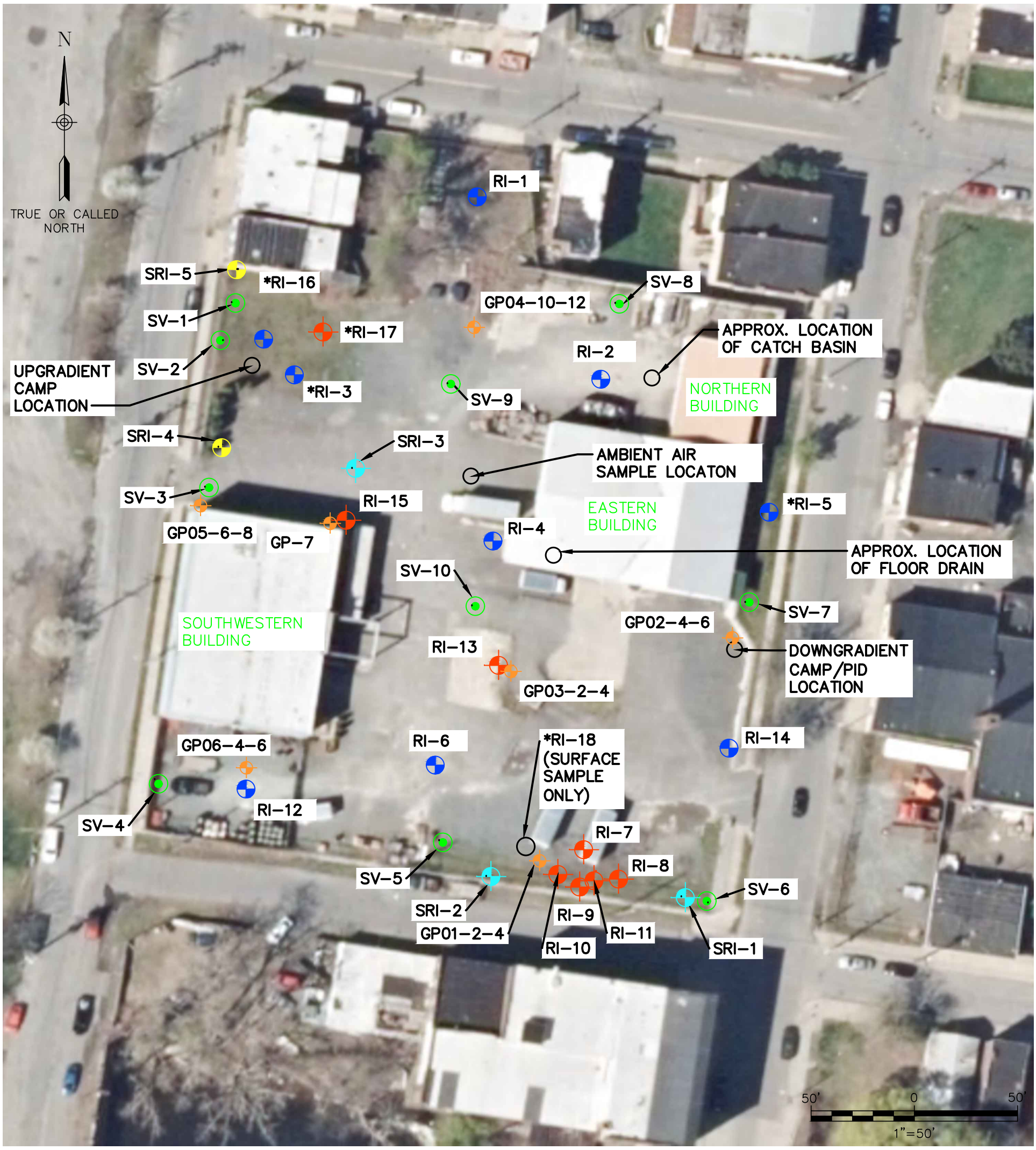
Figure Number 1

Project Number 2248.001.001

Plotted: Jul 14, 2020 - 6:58AM SYR By: bas
Z:\BL-Vault\ID2\18217AD2-1C71-4823-8927-99D5C4054147\0\1925000-1925999\1925174\L\L\2248.001.001- FIG 1 Site Location Map (ID 1925174).dwg

FIGURE 2
Site Plan

Plotted: Jul 27, 2020 – 9:15AM SYR By: bas
Z:\BL-Vault\ID2\18217AD2-1C71-4823-8927-99D5C4054147\0\2070000-2070999\2070451\L\L\2248.001.001- FIG 2 All Well & Boring Locations_July 2020 (surveyed) (ID 2070451).dwg



LEGEND

- GP-## – SOIL BORING/MONITORING WELL LOCATON (INSTALLED MARCH 2018)
- RI-## – MONITORING WELL LOCATION (INSTALLED SEPT. 2019)
- RI-## – SOIL BORING LOCATION (INSTALLED SEPT. 2019)
- SRI-# – SUPPLEMENTAL SOIL BORING LOCATION (INSTALLED JUNE 2020)
- SRI-4 AND SRI-5 CONVERTED INTO SUPPLEMENTAL MONITORING WELL LOCATIONS (INSTALLED JUNE 2020)
- SV-# – SOIL VAPOR LOCATION (INSTALLED JUNE 2020)

NOTE: SURFACE SAMPLE COLLECTED FROM LOCATIONS DEPICTED WITH AN *ASTERISK (SAMPLED IN SEPTEMBER 2019)

GENERAL DIRECTION OF GROUNDWATER FLOW IS FROM EAST TO WEST

GROUND SURFACE ELEVATION (AMSL)

LOCATION	ELEVATION (FT.)	LOCATION	ELEVATION (FT.)
RI-1	19.35	RI-10	21.85
RI-2	22.58	RI-11	22.21
RI-3	21.03	RI-12	22.21
RI-4	21.63	RI-13	22.21
RI-5	21.71	RI-14	21.77
RI-6	21.87	RI-15	21.99
RI-7	21.37	RI-16	21.12
RI-8	21.96	RI-17	20.64
RI-9	22.66	RI-18	21.54
SRI-1	22.13	SRI-2	21.50
SRI-3	21.68	SRI-4	20.56
SRI-5	21.07		

BLIND DUPLICATE & ASSOCIATED PARENT LOCATIONS

SURFACE SOIL		SUBSURFACE SOIL		GROUNDWATER	
DUPE 1	RI-3 S 0-2" (9/16/19)	DUPE 3	RI-3 SS 18-20' (9/17/19)	DUPE 5	RI-5 (9/26/19) PFAS only*
DUPE 2	RI-16 SURFACE (9/17/19) PFAS only*	DUPE 4	RI-2 SS HFM (8/18/19)	DUPE 6	RI-12 (9/30/19)
		DUPE-X	SRI-4 FILL MATERIAL	DUPE-X	SRI-5 (6/19/20)

Barton & Loguidice

Date	Scale
JULY 2020	AS SHOWN

POESTENKILL PLACE LIMITED PARTNERSHIP
REMEDIAL INVESTIGATION
POESTENKILL PLACE

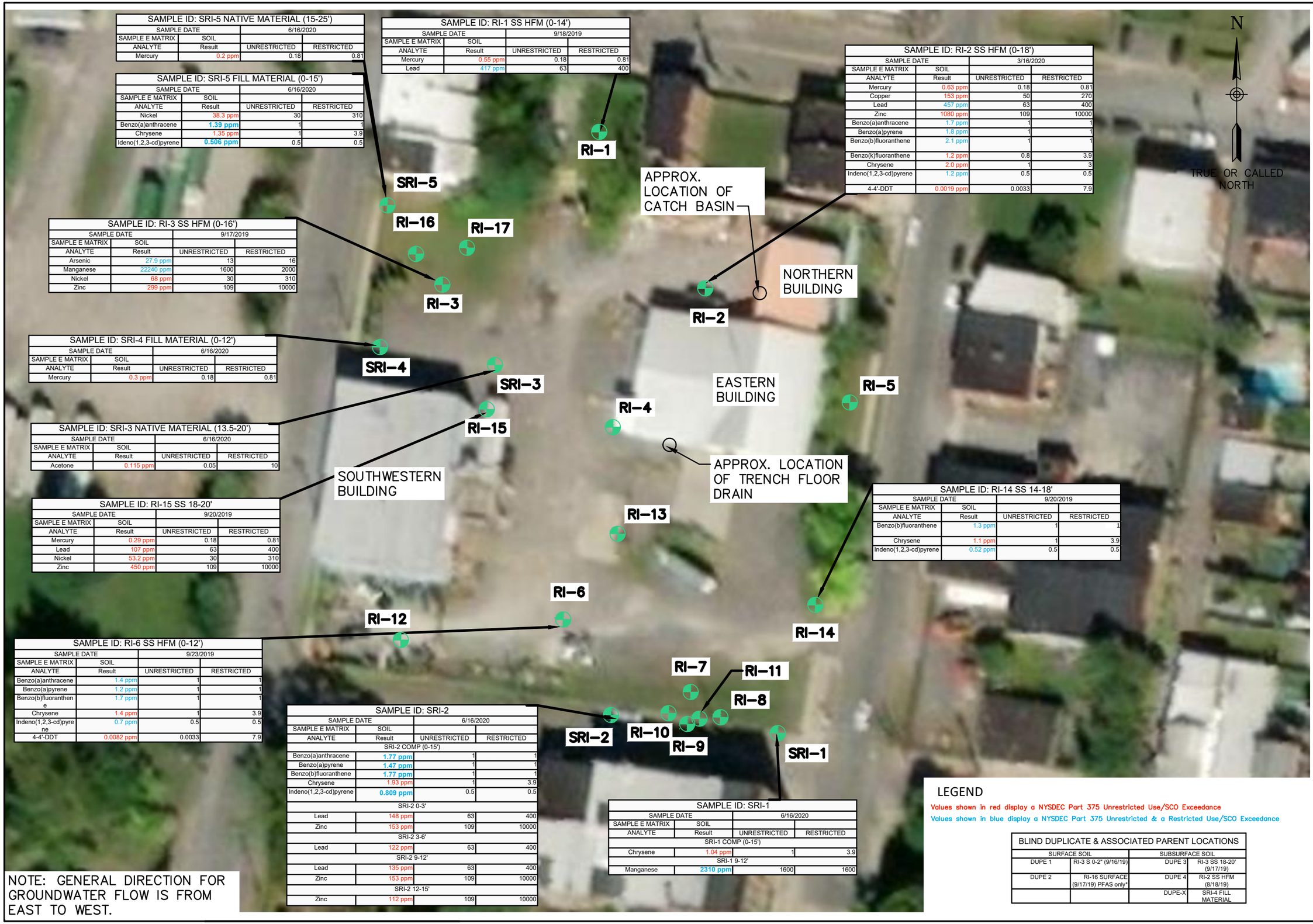
SUPPLEMENTAL REMEDIAL INVESTIGATION

TROY RENNSALAER COUNTY, NEW YORK

Figure Number 2

Project Number 2248.001.001

FIGURE 3
Subsurface Soils Exceedances



SAMPLE ID: SRI-5 NATIVE MATERIAL (15-25')			
SAMPLE DATE		6/16/2020	
SAMPLE E MATRIX	SOIL		
ANALYTE	Result	UNRESTRICTED	RESTRICTED
Mercury	0.2 ppm	0.18	0.81

SAMPLE ID: SRI-5 FILL MATERIAL (0-15')			
SAMPLE DATE		6/16/2020	
SAMPLE E MATRIX	SOIL		
ANALYTE	Result	UNRESTRICTED	RESTRICTED
Nickel	38.3 ppm	30	310
Benzo(a)anthracene	1.39 ppm	1	1
Chrysene	1.35 ppm	1	3.9
Ideno(1,2,3-cd)pyrene	0.506 ppm	0.5	0.5

SAMPLE ID: RI-1 SS HFM (0-14')			
SAMPLE DATE		9/18/2019	
SAMPLE E MATRIX	SOIL		
ANALYTE	Result	UNRESTRICTED	RESTRICTED
Mercury	0.55 ppm	0.18	0.81
Lead	417 ppm	63	400

SAMPLE ID: RI-2 SS HFM (0-18')			
SAMPLE DATE		3/16/2020	
SAMPLE E MATRIX	SOIL		
ANALYTE	Result	UNRESTRICTED	RESTRICTED
Mercury	0.63 ppm	0.18	0.81
Copper	153 ppm	50	270
Lead	457 ppm	63	400
Zinc	1080 ppm	109	10000
Benzo(a)anthracene	1.7 ppm	1	1
Benzo(a)pyrene	1.8 ppm	1	1
Benzo(b)fluoranthene	2.1 ppm	1	1
Benzo(k)fluoranthene	1.2 ppm	0.8	3.9
Chrysene	2.0 ppm	1	3
Indeno(1,2,3-cd)pyrene	1.2 ppm	0.5	0.5
4-4'-DDT	0.0019 ppm	0.0033	7.9

SAMPLE ID: RI-3 SS HFM (0-16')			
SAMPLE DATE		9/17/2019	
SAMPLE E MATRIX	SOIL		
ANALYTE	Result	UNRESTRICTED	RESTRICTED
Arsenic	27.9 ppm	13	16
Manganese	22240 ppm	1600	2000
Nickel	68 ppm	30	310
Zinc	299 ppm	109	10000

SAMPLE ID: SRI-4 FILL MATERIAL (0-12')			
SAMPLE DATE		6/16/2020	
SAMPLE E MATRIX	SOIL		
ANALYTE	Result	UNRESTRICTED	RESTRICTED
Mercury	0.3 ppm	0.18	0.81

SAMPLE ID: SRI-3 NATIVE MATERIAL (13.5-20')			
SAMPLE DATE		6/16/2020	
SAMPLE E MATRIX	SOIL		
ANALYTE	Result	UNRESTRICTED	RESTRICTED
Acetone	0.115 ppm	0.05	10

SAMPLE ID: RI-15 SS 18-20'			
SAMPLE DATE		9/20/2019	
SAMPLE E MATRIX	SOIL		
ANALYTE	Result	UNRESTRICTED	RESTRICTED
Mercury	0.29 ppm	0.18	0.81
Lead	107 ppm	63	400
Nickel	53.2 ppm	30	310
Zinc	450 ppm	109	10000

SAMPLE ID: RI-14 SS 14-18'			
SAMPLE DATE		9/20/2019	
SAMPLE E MATRIX	SOIL		
ANALYTE	Result	UNRESTRICTED	RESTRICTED
Benzo(b)fluoranthene	1.3 ppm	1	1
Chrysene	1.1 ppm	1	3.9
Indeno(1,2,3-cd)pyrene	0.52 ppm	0.5	0.5

SAMPLE ID: RI-6 SS HFM (0-12')			
SAMPLE DATE		9/23/2019	
SAMPLE E MATRIX	SOIL		
ANALYTE	Result	UNRESTRICTED	RESTRICTED
Benzo(a)anthracene	1.4 ppm	1	1
Benzo(a)pyrene	1.2 ppm	1	1
Benzo(b)fluoranthene	1.7 ppm	1	1
Chrysene	1.4 ppm	1	3.9
Indeno(1,2,3-cd)pyrene	0.7 ppm	0.5	0.5
4-4'-DDT	0.0082 ppm	0.0033	7.9

SAMPLE ID: SRI-2			
SAMPLE DATE		6/16/2020	
SAMPLE E MATRIX	SOIL		
ANALYTE	Result	UNRESTRICTED	RESTRICTED
SRI-2 COMP (0-15')			
Benzo(a)anthracene	1.77 ppm	1	1
Benzo(a)pyrene	1.47 ppm	1	1
Benzo(b)fluoranthene	1.77 ppm	1	1
Chrysene	1.93 ppm	1	3.9
Indeno(1,2,3-cd)pyrene	0.809 ppm	0.5	0.5
SRI-2 0-3'			
Lead	148 ppm	63	400
Zinc	153 ppm	109	10000
SRI-2 3-6'			
Lead	122 ppm	63	400
SRI-2 9-12'			
Lead	135 ppm	63	400
Zinc	153 ppm	109	10000
SRI-2 12-15'			
Zinc	112 ppm	109	10000

SAMPLE ID: SRI-1			
SAMPLE DATE		6/16/2020	
SAMPLE E MATRIX	SOIL		
ANALYTE	Result	UNRESTRICTED	RESTRICTED
SRI-1 COMP (0-15')			
Chrysene	1.04 ppm	1	3.9
SRI-1 9-12'			
Manganese	2310 ppm	1600	1600

NOTE: GENERAL DIRECTION FOR GROUNDWATER FLOW IS FROM EAST TO WEST.

LEGEND

Values shown in red display a NYSDEC Part 375 Unrestricted Use/SCO Exceedance

Values shown in blue display a NYSDEC Part 375 Unrestricted & a Restricted Use/SCO Exceedance

BLIND DUPLICATE & ASSOCIATED PARENT LOCATIONS			
SURFACE SOIL		SUBSURFACE SOIL	
DUPE 1	RI-3 S 0-2" (9/16/19)	DUPE 3	RI-3 SS 18-20' (9/17/19)
DUPE 2	RI-16 SURFACE (9/17/19) PFAS only*	DUPE 4	RI-2 SS HFM (8/18/19)
		DUPE-X	SRI-4 FILL MATERIAL

POESTENKILL PLACE LIMITED PARTNERSHIP

REMEDIAL INVESTIGATION– POESTENKILL PLACE

SUBSURFACE SOIL EXCEEDANCE LOCATIONS (2019 AND 2020)

RENSSALAER COUNTY, NEW YORK

TROY

Barton & Loguidice

Date: JULY 2020

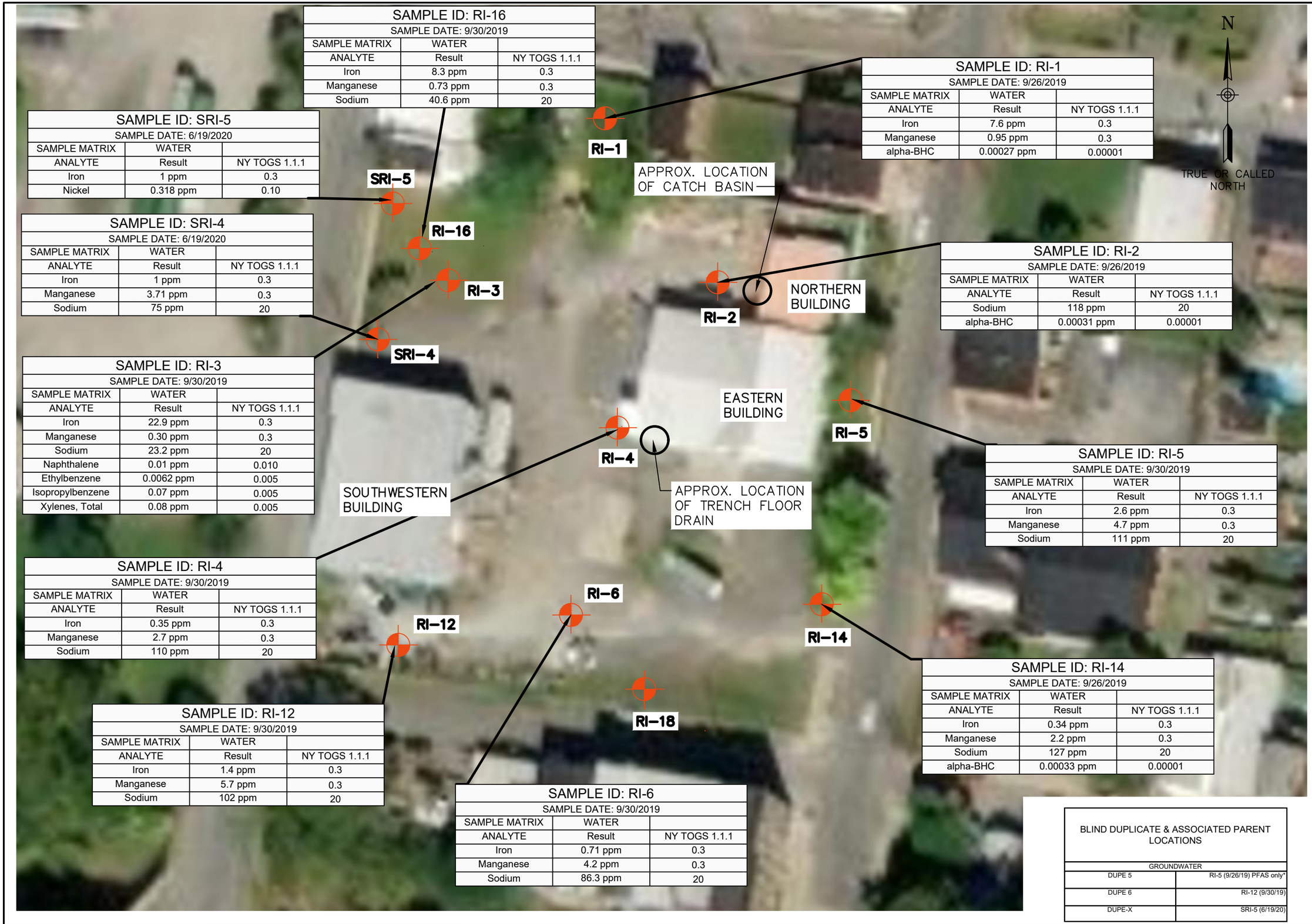
Scale: 1" = 50'

Figure Number: 3

Project Number: 2248.001.001

Plotted: Sep 09, 2020 - 7:31AM SYR By: bas
Z:\BL-Vault\D2\18217AD2-1C71-4823-8927-99D5C4054147\0\1903000-1903999\1903611\LL\2248.001.001-FIG 3 SubsurfaceSoilExceedances REVISED JULY 2020 (ID 1903611).dwg

FIGURE 4
Groundwater Exceedances



SAMPLE ID: RI-16

SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	8.3 ppm	0.3
Manganese	0.73 ppm	0.3
Sodium	40.6 ppm	20

SAMPLE ID: SRI-5

SAMPLE DATE: 6/19/2020

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	1 ppm	0.3
Nickel	0.318 ppm	0.10

SAMPLE ID: RI-1

SAMPLE DATE: 9/26/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	7.6 ppm	0.3
Manganese	0.95 ppm	0.3
alpha-BHC	0.00027 ppm	0.00001

SAMPLE ID: SRI-4

SAMPLE DATE: 6/19/2020

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	1 ppm	0.3
Manganese	3.71 ppm	0.3
Sodium	75 ppm	20

SAMPLE ID: RI-2

SAMPLE DATE: 9/26/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Sodium	118 ppm	20
alpha-BHC	0.00031 ppm	0.00001

SAMPLE ID: RI-3

SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	22.9 ppm	0.3
Manganese	0.30 ppm	0.3
Sodium	23.2 ppm	20
Naphthalene	0.01 ppm	0.010
Ethylbenzene	0.0062 ppm	0.005
Isopropylbenzene	0.07 ppm	0.005
Xylenes, Total	0.08 ppm	0.005

SAMPLE ID: RI-5

SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	2.6 ppm	0.3
Manganese	4.7 ppm	0.3
Sodium	111 ppm	20

SAMPLE ID: RI-4

SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	0.35 ppm	0.3
Manganese	2.7 ppm	0.3
Sodium	110 ppm	20

SAMPLE ID: RI-14

SAMPLE DATE: 9/26/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	0.34 ppm	0.3
Manganese	2.2 ppm	0.3
Sodium	127 ppm	20
alpha-BHC	0.00033 ppm	0.00001

SAMPLE ID: RI-12

SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	1.4 ppm	0.3
Manganese	5.7 ppm	0.3
Sodium	102 ppm	20

SAMPLE ID: RI-6

SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	0.71 ppm	0.3
Manganese	4.2 ppm	0.3
Sodium	86.3 ppm	20

BLIND DUPLICATE & ASSOCIATED PARENT LOCATIONS

GROUNDWATER	
DUPE 5	RI-5 (9/26/19) PFAS only*
DUPE 6	RI-12 (9/30/19)
DUPE-X	SRI-5 (6/19/20)

POESTENKILL PLACE LIMITED PARTNERSHIP
REMEDIAL INVESTIGATION– POESTENKILL PLACE

SUBSURFACE GROUNDWATER EXCEEDANCE LOCATIONS (2019 AND 2020)

RENSSALAER COUNTY, NEW YORK

Barton & Loguidice
TROY

Date
JULY 2020

Scale
1" = 50'

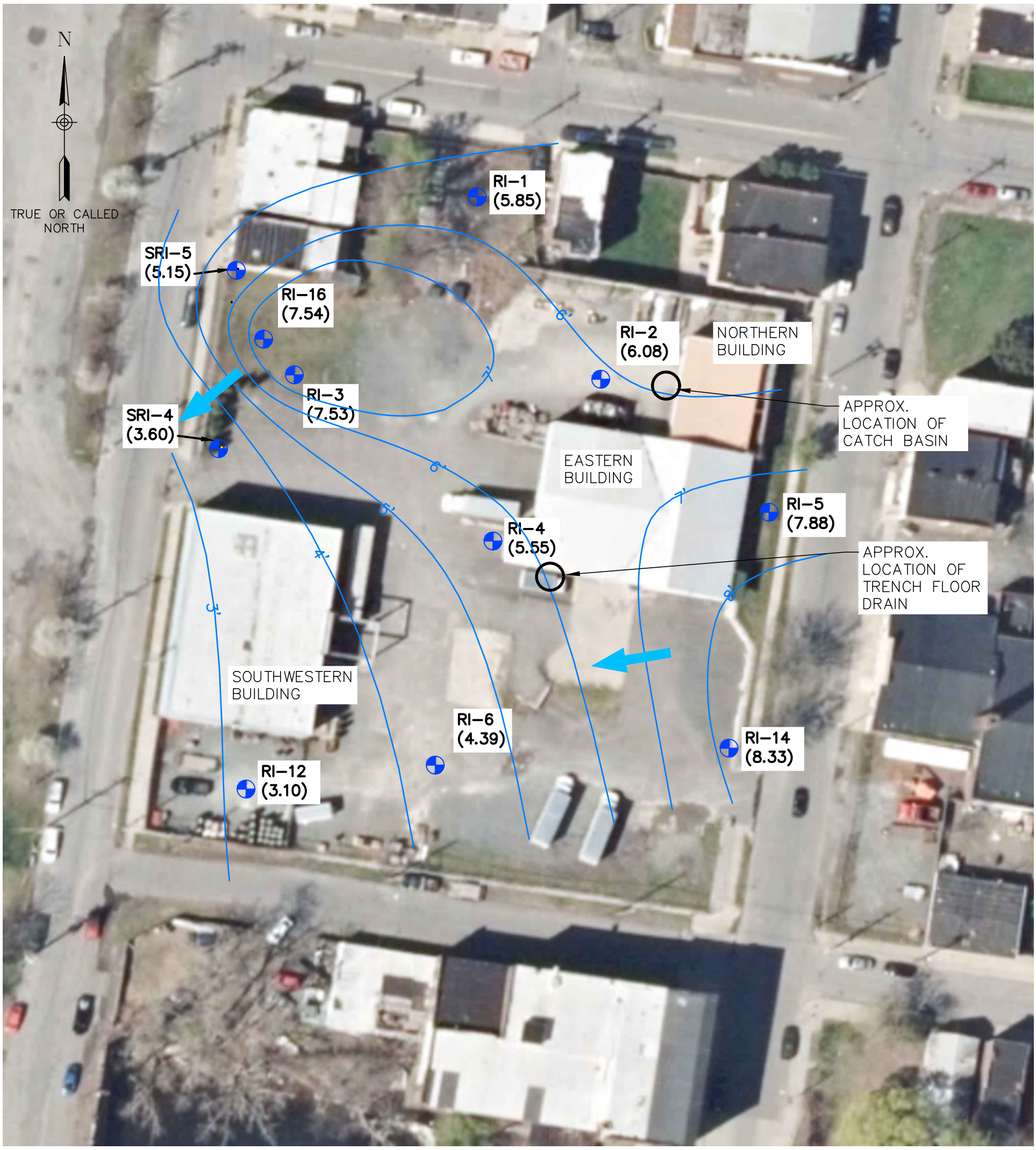
Figure Number
4

Project Number
2248.001.001

Plotted: Sep 09, 2020 – 7:29AM SYR By: bas
Z:\BL–Vault\D2\18217AD2–1C71–4823–8927–99D5C4054147\0\1903000–1903999\1903650\L\L\2248.001.001– FIG 4GroundwaterExceedances REVISED JULY 2020 (ID 1903650).dwg

FIGURE 5
Groundwater Contour Map

Plotted: Jul 14, 2020 – 7:08AM SYR By: bas
Z:\BL-Vault\ID2\18217AD2-1C71-4823-8927-99D5C4054147\0\2073000-2073999\2073218\L\L\2248.001.001- FIG 5 GW CONTOUR MAP_July 2020 (ID 2073218).dwg



50' 0 50'
1"=50'

LEGEND

RI-## / SRI-## – MONITORING WELL LOCATIONS (INSTALLED SEPT. 2019 AND JUNE 2020)

GROUNDWATER CONTOUR/DIRECTION OF FLOW

GROUND SURFACE ELEVATION (AMSL)			
LOCATION	ELEVATION (FT.)	LOCATION	ELEVATION (FT.)
RI-1	19.35	RI-10	21.85
RI-2	22.58	RI-11	22.21
RI-3	21.03	RI-12	22.21
RI-4	21.63	RI-13	22.21
RI-5	21.71	RI-14	21.77
RI-6	21.87	RI-15	21.99
RI-7	21.37	RI-16	21.12
RI-8	21.96	RI-17	20.64
RI-9	22.66	RI-18	21.54
SRI-1	22.13	SRI-2	21.50
SRI-3	21.68	SRI-4	20.56
SRI-5	21.07		

NOTE:
GROUNDWATER ELEVATIONS ARE MEASURED AS ABOVE MEAN SEA LEVEL (AMSL).

Barton & Loguidice

Date: JULY 2020
Scale: AS SHOWN

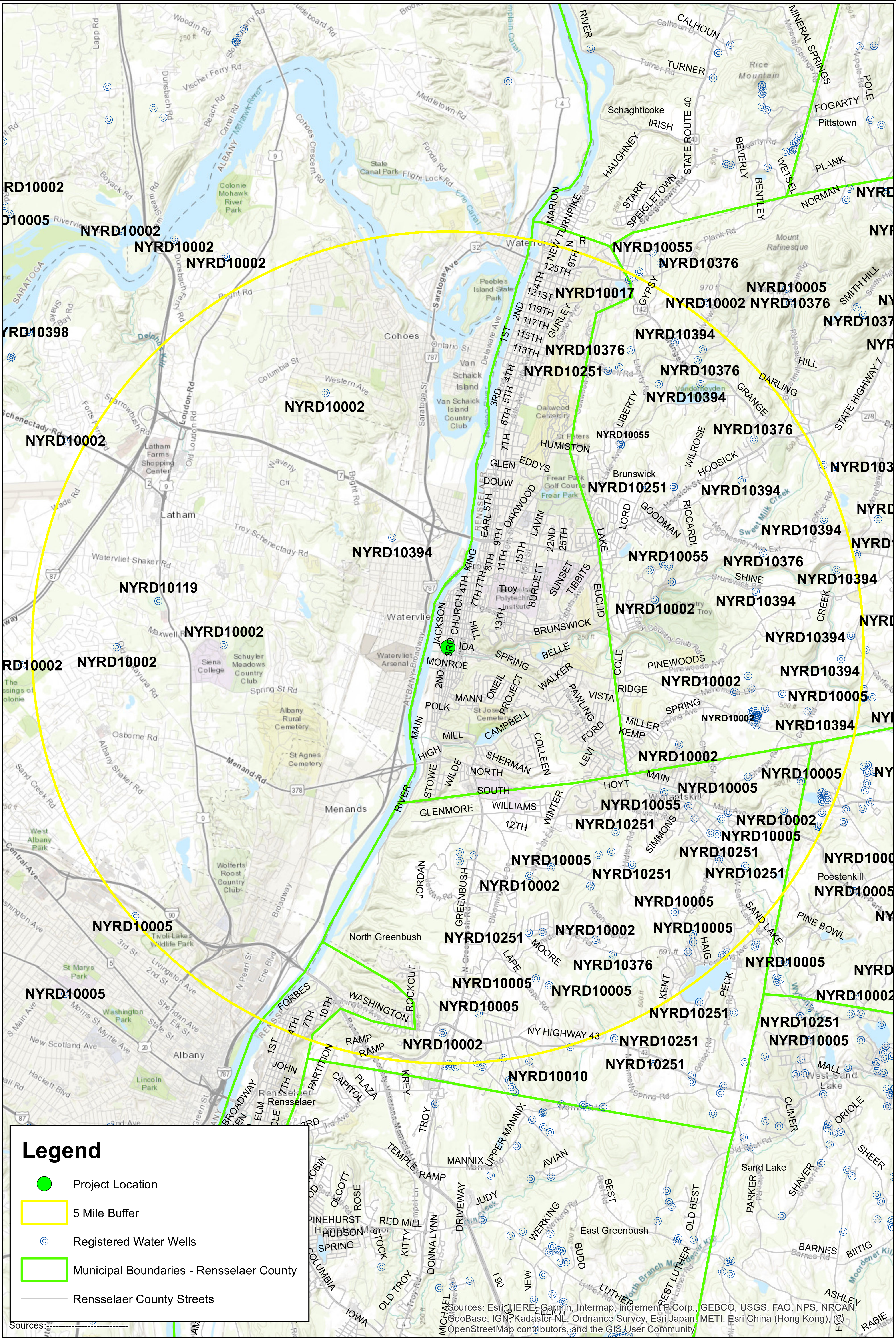
POESTENKILL PLACE LIMITED PARTNERSHIP
REMEDIAL INVESTIGATION
POESTENKILL PLACE

GROUNDWATER CONTOUR MAP

TROY RENNSALAER COUNTY, NEW YORK

Figure Number: 5
Project Number: 2248.001.001

FIGURE 6
Water Well Map



Barton & Loguidice

N W E S

1 inch = 5,417 feet

Poestenkill Place Limited Partnership

Remedial Investigation

Poestenkill Place

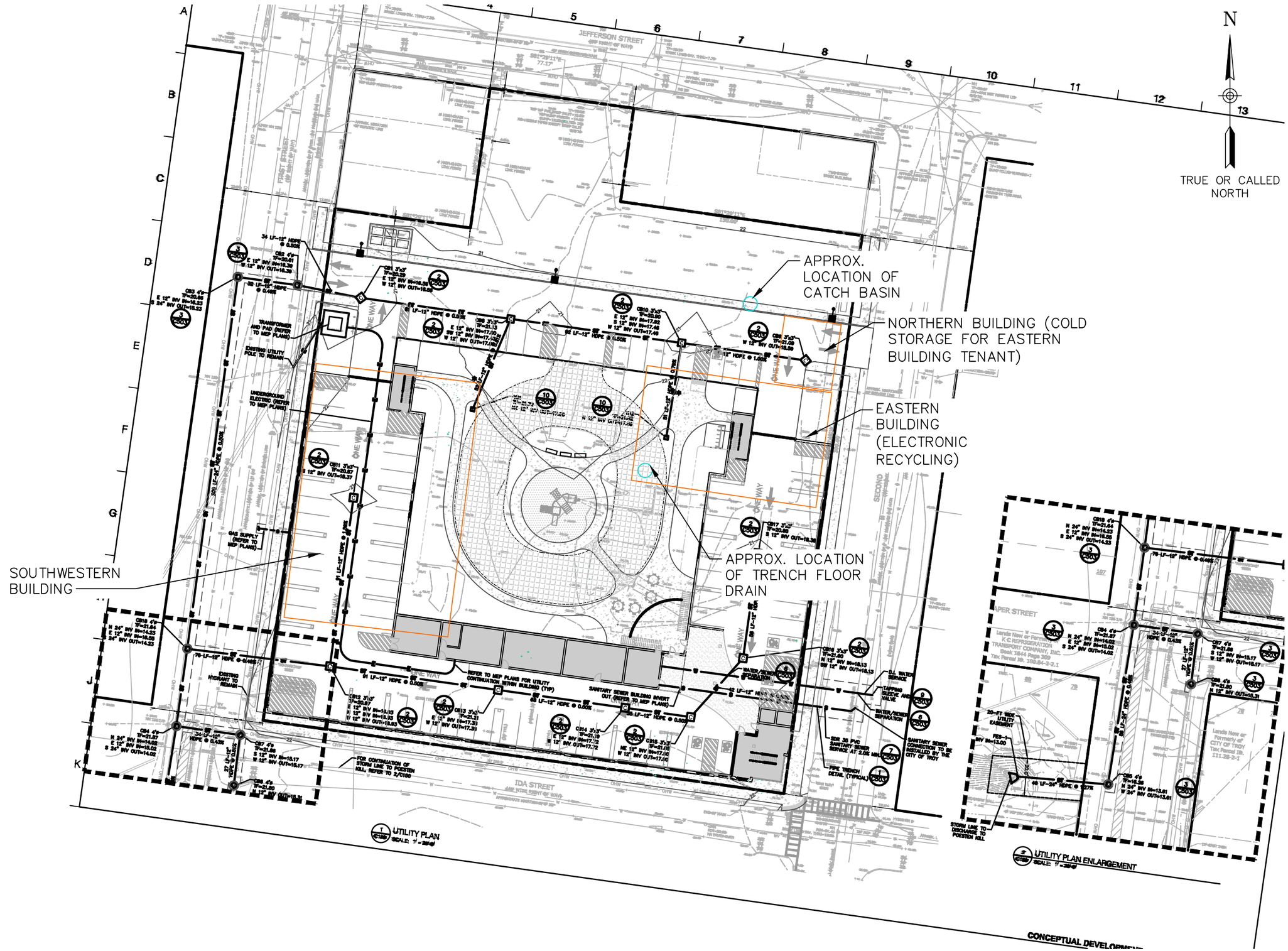
Rensselaer County | New York

7/28/2020

Figure 6

Project No. 2248.001

FIGURE 7
Proposed Development Plan with Existing Features



POESTENKILL PLACE LIMITED PARTNERSHIP

REMEDIAL INVESTIGATION– POESTENKILL PLACE

PROPOSED DEVELOPMENT PLAN WITH EXISTING FEATURES

RENSSALAER COUNTY, NEW YORK

TROY

Barton & Loguidice

Date
JULY 2020

Scale
1" = 50'

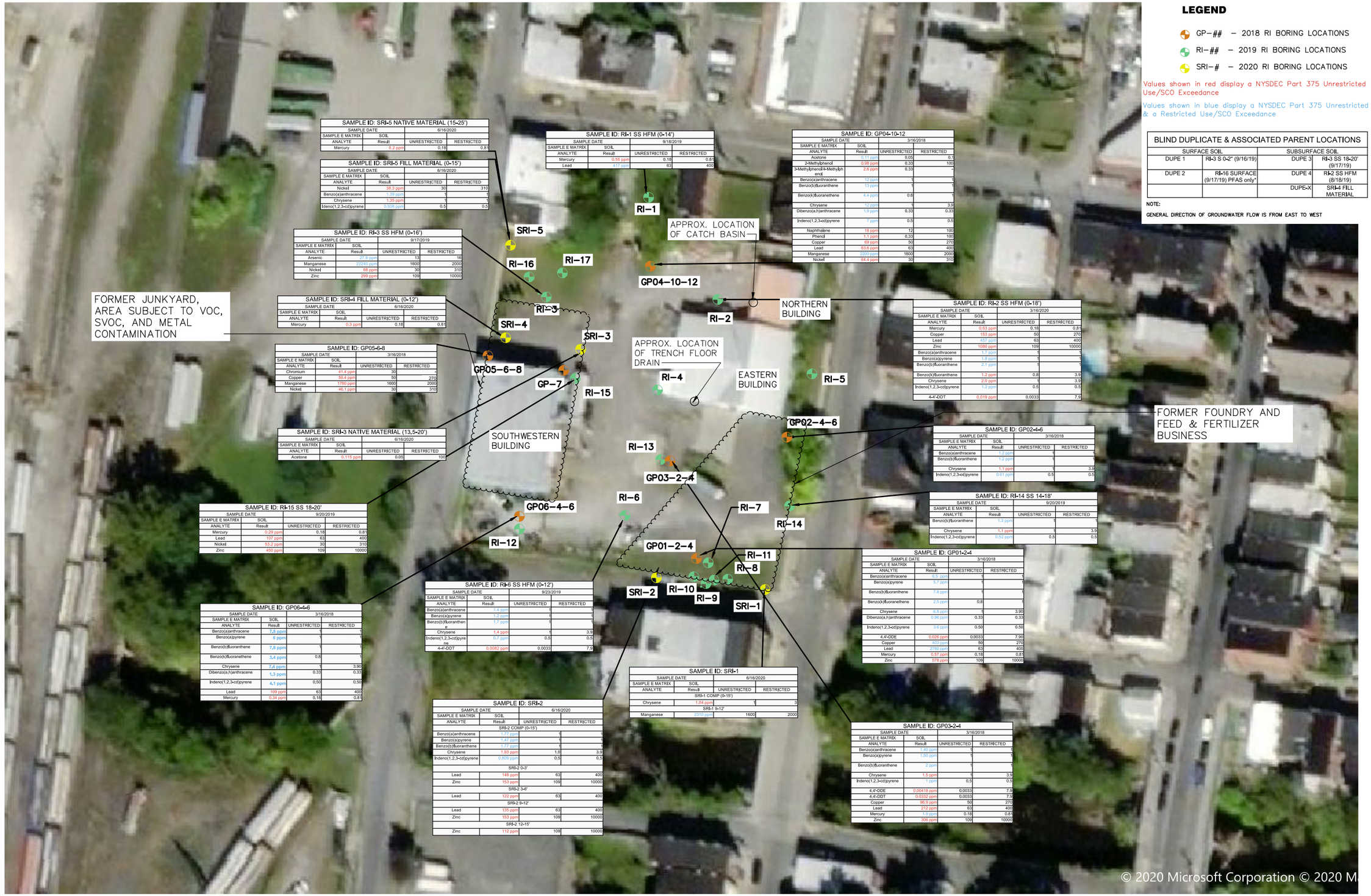
Figure Number
7

Project Number
2248.001.001

Plotted: Jul 14, 2020 – 7:53AM SYR By: bas
Z:\BL-Vault\D2\18217AD2-1C71-4823-8927-99D5C4054147\0\2075000-2075999\2075705\LL\2248.001.001-FIG 7 PROPOSED DEVELOPMENT PLAN JULY 2020 (ID 2075705).dwg

FIGURE 8

Subsurface Soil Exceedance Locations (2018, 2019, and 2020)



LEGEND

- GP-## – 2018 RI BORING LOCATIONS
- RI-## – 2019 RI BORING LOCATIONS
- SRI-# – 2020 RI BORING LOCATIONS

Values shown in red display a NYSDEC Part 375 Unrestricted Use/SCO Exceedance

Values shown in blue display a NYSDEC Part 375 Unrestricted & a Restricted Use/SCO Exceedance

BLIND DUPLICATE & ASSOCIATED PARENT LOCATIONS

SURFACE SOIL		SUBSURFACE SOIL	
DUPE 1	RI-3 S 0-2" (9/16/19)	DUPE 3	RI-3 SS 18-20' (9/17/19)
DUPE 2	RI-16 SURFACE (9/17/19) PFAS only*	DUPE 4	RI-2 SS HFM (8/18/19)
		DUPE-X	SRI-4 FILL MATERIAL

NOTE:

GENERAL DIRECTION OF GROUNDWATER FLOW IS FROM EAST TO WEST

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145 §7209 SPECIAL PROVISIONS, FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING PROFESSIONAL SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

POESTENKILL PLACE LIMITED PARTNERSHIP
REMEDIAL INVESTIGATION- POESTENKILL PLACE
RENSSALAER COUNTY, NEW YORK

SUBSURFACE SOIL EXCEEDANCE LOCATIONS (2018. 2019, AND 2020 RI)

TROY

Barton & Loguidice, D.P.C.
443 Electronics Parkway
Liverpool, NY
13088

COMPLETED CONSTRUCTION

Significant Construction Changes Are Shown

By XXX Date XX/XX
Ck'd XXX Date XX/XX

Date: JULY 2020

Scale: 1" = 40'

Sheet Number: 8

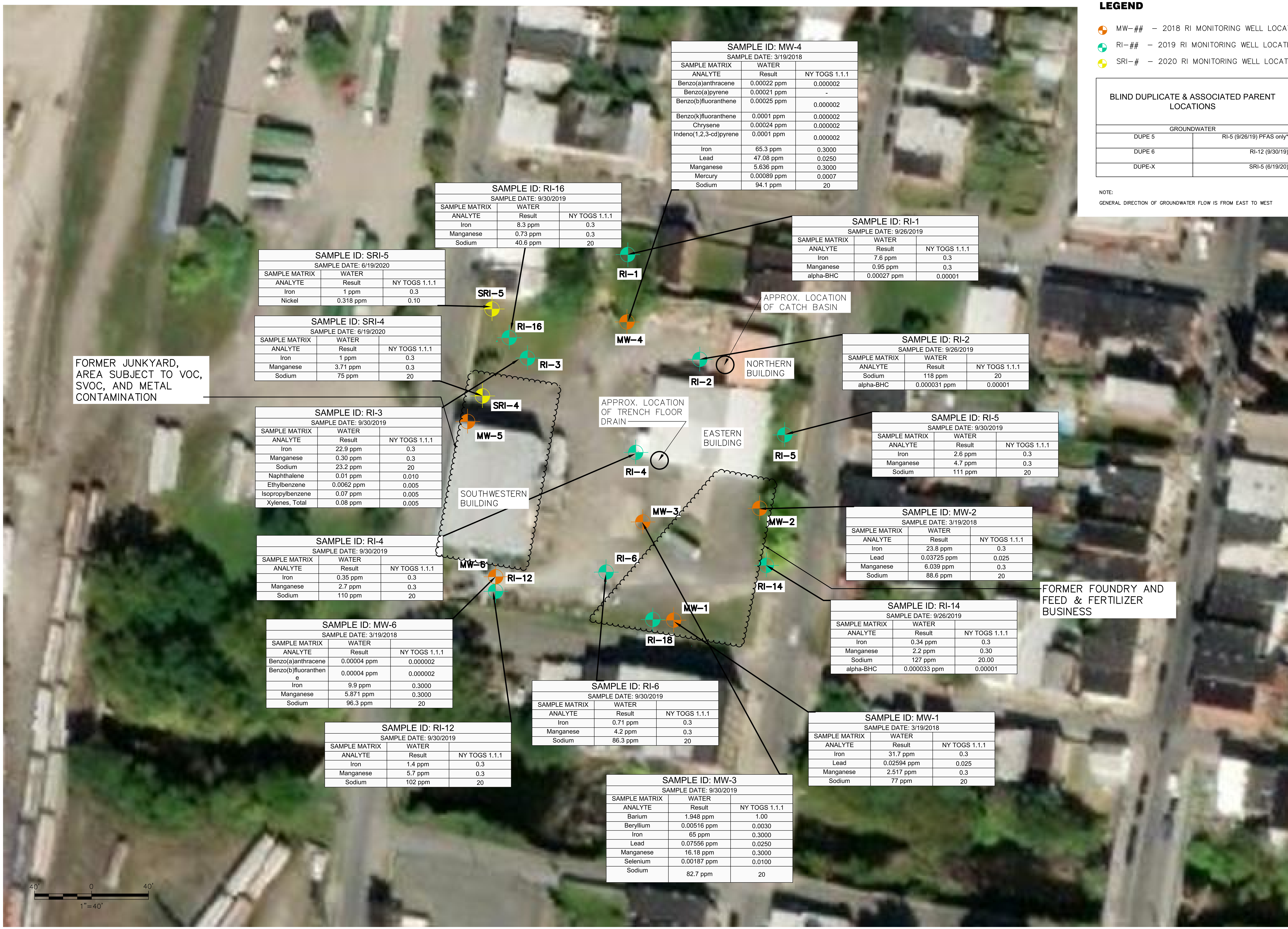
Project Number: 2248.001.001

Plotted: Sep 09, 2020 – 7:25AM SYR By: bas
Z:\BL-Vault\02\18217A02-1C71-4823-8927-9905C4054147\0\2082000-2082999\2082760\L\L\2248.001.001-FIG 8 SUBSURFACE SOIL EXCEEDANCES (2019,2019,2020) (ID 2082760).dwg

Checked by ____ Drawn by ____ Designed by ____ In charge of ____

FIGURE 9

Subsurface Groundwater Exceedance Locations (2018, 2019, and 2020)



SAMPLE ID: MW-4
SAMPLE DATE: 3/19/2018

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Benzo(a)anthracene	0.00022 ppm	0.000002
Benzo(a)pyrene	0.00021 ppm	-
Benzo(b)fluoranthene	0.00025 ppm	0.000002
Benzo(k)fluoranthene	0.0001 ppm	0.000002
Chrysene	0.00024 ppm	0.000002
Indeno(1,2,3-cd)pyrene	0.0001 ppm	0.000002
Iron	65.3 ppm	0.3000
Lead	47.08 ppm	0.0250
Manganese	5.636 ppm	0.3000
Mercury	0.00089 ppm	0.0007
Sodium	94.1 ppm	20

SAMPLE ID: RI-16
SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	8.3 ppm	0.3
Manganese	0.73 ppm	0.3
Sodium	40.6 ppm	20

SAMPLE ID: SRI-5
SAMPLE DATE: 6/19/2020

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	1 ppm	0.3
Nickel	0.318 ppm	0.10

SAMPLE ID: RI-1
SAMPLE DATE: 9/26/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	7.6 ppm	0.3
Manganese	0.95 ppm	0.3
alpha-BHC	0.00027 ppm	0.00001

SAMPLE ID: SRI-4
SAMPLE DATE: 6/19/2020

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	1 ppm	0.3
Manganese	3.71 ppm	0.3
Sodium	75 ppm	20

SAMPLE ID: RI-2
SAMPLE DATE: 9/26/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Sodium	118 ppm	20
alpha-BHC	0.000031 ppm	0.00001

SAMPLE ID: RI-3
SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	22.9 ppm	0.3
Manganese	0.30 ppm	0.3
Sodium	23.2 ppm	20
Naphthalene	0.01 ppm	0.010
Ethylbenzene	0.0062 ppm	0.005
Isopropylbenzene	0.07 ppm	0.005
Xylenes, Total	0.08 ppm	0.005

SAMPLE ID: RI-5
SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	2.6 ppm	0.3
Manganese	4.7 ppm	0.3
Sodium	111 ppm	20

SAMPLE ID: MW-2
SAMPLE DATE: 3/19/2018

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	23.8 ppm	0.3
Lead	0.03725 ppm	0.025
Manganese	6.039 ppm	0.3
Sodium	88.6 ppm	20

SAMPLE ID: RI-4
SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	0.35 ppm	0.3
Manganese	2.7 ppm	0.3
Sodium	110 ppm	20

SAMPLE ID: RI-14
SAMPLE DATE: 9/26/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	0.34 ppm	0.3
Manganese	2.2 ppm	0.30
Sodium	127 ppm	20.00
alpha-BHC	0.000033 ppm	0.00001

SAMPLE ID: MW-6
SAMPLE DATE: 3/19/2018

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Benzo(a)anthracene	0.00004 ppm	0.000002
Benzo(b)fluoranthene	0.00004 ppm	0.000002
Iron	9.9 ppm	0.3000
Manganese	5.871 ppm	0.3000
Sodium	96.3 ppm	20

SAMPLE ID: RI-6
SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	0.71 ppm	0.3
Manganese	4.2 ppm	0.3
Sodium	86.3 ppm	20

SAMPLE ID: MW-1
SAMPLE DATE: 3/19/2018

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	31.7 ppm	0.3
Lead	0.02594 ppm	0.025
Manganese	2.517 ppm	0.3
Sodium	77 ppm	20

SAMPLE ID: RI-12
SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Iron	1.4 ppm	0.3
Manganese	5.7 ppm	0.3
Sodium	102 ppm	20

SAMPLE ID: MW-3
SAMPLE DATE: 9/30/2019

SAMPLE MATRIX	WATER	
ANALYTE	Result	NY TOGS 1.1.1
Barium	1.948 ppm	1.00
Beryllium	0.00516 ppm	0.0030
Iron	65 ppm	0.3000
Lead	0.07556 ppm	0.0250
Manganese	16.18 ppm	0.3000
Selenium	0.00187 ppm	0.0100
Sodium	82.7 ppm	20

LEGEND

- MW-## – 2018 RI MONITORING WELL LOCATIONS
- RI-## – 2019 RI MONITORING WELL LOCATIONS
- SRI-# – 2020 RI MONITORING WELL LOCATIONS

BLIND DUPLICATE & ASSOCIATED PARENT LOCATIONS

GROUNDWATER	
DUPE 5	RI-5 (9/26/19) PFAS only*
DUPE 6	RI-12 (9/30/19)
DUPE-X	SRI-5 (6/19/20)

NOTE:
GENERAL DIRECTION OF GROUNDWATER FLOW IS FROM EAST TO WEST

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145 §7209 SPECIAL PROVISIONS, FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING PROFESSIONAL SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS

POESTENKILL PLACE LIMITED PARTNERSHIP
REMEDIAL INVESTIGATION- POESTENKILL PLACE

SUBSURFACE GROUNDWATER EXCEEDANCE LOCATIONS (2018. 2019, AND 2020 RI)

TROY RENSSALAER COUNTY, NEW YORK

B&L
443 Electronics Parkway
Liverpool, NY
13088
Barton & Loguidice, D.P.C.

COMPLETED CONSTRUCTION
Significant Construction Changes Are Shown
By ______ Date ______
Ck'd ______ Date ______

Date: JULY 2020
Scale: 1" = 40'
Sheet Number: 9
Project Number: 2248.001.001

Plotted: Sep 09, 2020 - 7:23AM SYR By: bas
Z:\BL-Vault\D2\18217A02-1C71-4823-8927-9905C4054147\0\2082000-2082999\2082768\1\L\2248.001.001- FIG 9 GROUNDWATER EXCEEDANCES (2018,2019,2020) (ID 2082768).dwg
Checked by ______ Drawn by ______ Designed by ______ In charge of ______

TABLE 1
Soil Field and Trip Blank Data
(Sept. 2019 and June 2020)

Tables 1-9
Explanation of Qualifiers

General Notes:

Highlighted cell indicates exceedance of groundwater standard or soil cleanup objectives.

** 1,4-Dioxane compared to the NY State Maximum Concentration of Contaminants for the Toxicity Characteristic

LIST OF QUALIFIERS:

Eurofins TestAmerica, Buffalo

Data summary tables include any additional qualification resulting from data validation report.

* : LCS or LCSD is outside acceptance limits.

F1 : MS and/or MSD Recovery is outside acceptance limits.

F2 : MS/MSD RPD exceeds control limits

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

B : Compound was found in the blank and sample.

< : Result is less than the indicated value.

> : Result is greater than the indicated value.

H : Sample was prepped or analyzed beyond the specified holding time

ND : Not detected at the reporting limit (or MDL or EDL if shown)

NR : Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

I : Value is EMPC (estimated maximum possible concentration).

TABLE 1
SOIL FIELD/TRIP BLANKS

SUMMARY OF ANALYTICAL RESULTS								
Sample ID			**EQUIPMENT BLANK SS**		**EQUIPMENT BLANK S**		**TRIP BLANKS**	
Lab Sample Number			**480-159441-1**		**480-159603-1**		**480-159441-2**	
Sampling Date			**09/19/2019 09:00:00**		**09/23/2019 07:40:00**		**09/19/2019 00:00:00**	
Matrix			**Water**		**Water**		**Water**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/L**		**ug/L**		**ug/L**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Volatiles - 8260C								
1,1,1-Trichloroethane	100000	680	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	100000	1100	ND	U	ND	U	ND	U
1,1,2-Trichloroethane			ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane			ND	U	ND	U	ND	U
1,1-Dichloroethane			ND	U	ND	U	ND	U
1,1-Dichloroethene	26000	270	ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	100000	330	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane			ND	U	ND	U	ND	U
1,2-Dichlorobenzene			ND	U	ND	U	ND	U
1,2-Dichloroethane	3100	20	ND	U	ND	U	ND	U
1,2-Dichloropropane			ND	U	ND	U	ND	U
1,3-Dichlorobenzene	49000	2400	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	13000	1800	ND	U	ND	U	ND	U
2-Hexanone	100000	120	ND	U	ND	U	ND	U
2-Butanone (MEK)			ND	U	ND	U	ND	U
4-Methyl-2-pentanone (MIBK)			ND	U	ND	U	ND	U
Acetone	100000	50	5.9	J	ND	U	ND	U
Benzene	4800	60	ND	U	ND	U	ND	U
Bromodichloromethane			ND	U	ND	U	ND	U
Bromoform			ND	U	ND	U	ND	U
Bromomethane			ND	U	ND	U	ND	U
Carbon disulfide			ND	U	ND	U	ND	U
Carbon tetrachloride	2400	760	ND	U	ND	U	ND	U
Chlorobenzene	100000	1100	ND	U	ND	U	ND	U
Dibromochloromethane			ND	U	ND	U	ND	U
Chloroethane			ND	U	ND	U	ND	U
Chloroform	49000	370	ND	U	ND	U	ND	U
Chloromethane			ND	U	0.39	J	ND	U
cis-1,2-Dichloroethene	100000	250	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene			ND	U	ND	U	ND	U
Cyclohexane			ND	U	ND	U	ND	U
Dichlorodifluoromethane			ND	U	ND	U	ND	U
1,2-Dibromoethane	41000	1000	ND	U	ND	U	ND	U
Ethylbenzene			ND	U	ND	U	ND	U
Isopropylbenzene			ND	U	ND	U	ND	U
Methyl acetate			ND	U	ND	U	ND	U
Methyl tert-butyl ether	100000	930	ND	U	ND	U	ND	U
Methylcyclohexane			ND	U	ND	U	ND	U
Methylene Chloride	100000	50	ND	U	ND	U	ND	U
Styrene			ND	U	ND	U	ND	U
Tetrachloroethene	19000	1300	ND	U	ND	U	ND	U
Toluene	100000	700	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	100000	190	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene			ND	U	ND	U	ND	U
Trichloroethene	21000	470	ND	U	ND	U	ND	U
Trichlorofluoromethane			ND	U	ND	U	ND	U
Vinyl chloride	900	20	ND	U	ND	U	ND	U
Xylenes, Total	100000	260	ND	U	ND	U	ND	U
Total Conc			5.9		0.39			

TABLE 1
SOIL FIELD/TRIP BLANKS

SUMMARY OF ANALYTICAL RESULTS								
Sample ID			**EQUIPMENT BLANK SS**		**EQUIPMENT BLANK S**		-	-
Lab Sample Number			**480-159441-1**		**480-159603-1**		-	-
Sampling Date			**09/19/2019 09:00:00**		**09/23/2019 07:40:00**		-	-
Matrix			**Water**		**Water**		-	-
Dilution Factor			**1**		**1**		-	-
Units			**ug/L**		**ug/L**		-	-
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-
Semivolatiles - 8270D							-	-
Biphenyl			ND	U	ND	U	-	-
bis (2-chloroisopropyl) ether			ND	U	ND	U	-	-
2,4,5-Trichlorophenol			ND	U	ND	U	-	-
2,4,6-Trichlorophenol			ND	U	ND	U	-	-
2,4-Dichlorophenol			ND	U	ND	U	-	-
2,4-Dimethylphenol			ND	U	ND	U	-	-
2,4-Dinitrophenol			ND	U	ND	U	-	-
2,4-Dinitrotoluene			ND	U	ND	U	-	-
2,6-Dinitrotoluene			ND	U	ND	U	-	-
2-Chloronaphthalene			ND	U	ND	U	-	-
2-Chlorophenol			ND	U	ND	U	-	-
2-Methylnaphthalene			ND	U	ND	U	-	-
2-Methylphenol	100000	330	ND	U	ND	U	-	-
2-Nitroaniline			ND	U	ND	U	-	-
2-Nitrophenol			ND	U	ND	U	-	-
3,3'-Dichlorobenzidine			ND	U	ND	U	-	-
3-Nitroaniline			ND	U	ND	U	-	-
4,6-Dinitro-2-methylphenol			ND	U	ND	U	-	-
4-Bromophenyl phenyl ether			ND	U	ND	U	-	-
4-Chloro-3-methylphenol			ND	U	ND	U	-	-
4-Chloroaniline			ND	U	ND	U	-	-
4-Chlorophenyl phenyl ether			ND	U	ND	U	-	-
4-Methylphenol	100000	330	ND	U	ND	U	-	-
4-Nitroaniline			ND	U	ND	U	-	-
4-Nitrophenol			ND	U	ND	U	-	-
Acenaphthene	100000	20000	ND	U	ND	U	-	-
Acenaphthylene	100000	100000	ND	U	ND	U	-	-
Acetophenone			ND	U	ND	U	-	-
Anthracene	100000	100000	ND	U	ND	U	-	-
Atrazine			ND	U	ND	U	-	-
Benzaldehyde			ND	U	ND	U	-	-
Benzo[a]anthracene	1000	1000	ND	U	ND	U	-	-
Benzo[a]pyrene	1000	1000	ND	U	ND	U	-	-
Benzo[b]fluoranthene	1000	1000	ND	U	ND	U	-	-
Benzo[g,h,i]perylene	100000	100000	ND	U	ND	U	-	-
Benzo[k]fluoranthene	3900	800	ND	U	ND	U	-	-
Bis(2-chloroethoxy)methane			ND	U	ND	U	-	-
Bis(2-chloroethyl)ether			ND	U	ND	U	-	-
Bis(2-ethylhexyl) phthalate			ND	U	ND	U	-	-
Butyl benzyl phthalate			ND	U	ND	U	-	-
Caprolactam			ND	U	ND	U	-	-
Carbazole			ND	U	ND	U	-	-
Chrysene	3900	1000	ND	U	ND	U	-	-
Di-n-butyl phthalate			ND	U	ND	U	-	-
Di-n-octyl phthalate			ND	U	ND	U	-	-
Dibenz(a,h)anthracene	330	330	ND	U	ND	U	-	-
Dibenzofuran	59000	7000	ND	U	ND	U	-	-
Diethyl phthalate			ND	U	ND	U	-	-
Dimethyl phthalate			ND	U	ND	U	-	-
Fluoranthene	100000	100000	ND	U	ND	U	-	-
Fluorene	100000	30000	ND	U	ND	U	-	-
Hexachlorobenzene	1200	330	ND	U	ND	U	-	-
Hexachlorobutadiene			ND	U	ND	U	-	-
Hexachlorocyclopentadiene			ND	U	ND	U	-	-
Hexachloroethane			ND	U	ND	U	-	-
Indeno[1,2,3-cd]pyrene	500	500	ND	U	ND	U	-	-
Isophorone			ND	U	ND	U	-	-
N-Nitrosodi-n-propylamine			ND	U	ND	U	-	-
N-Nitrosodiphenylamine			ND	U	ND	U	-	-
Naphthalene	100000	12000	ND	U	ND	U	-	-
Nitrobenzene			ND	U	ND	U	-	-
Pentachlorophenol	6700	800	ND	U	ND	U	-	-
Phenanthrene	100000	100000	ND	U	ND	U	-	-
Phenol	100000	330	ND	U	ND	U	-	-
Pyrene	100000	100000	ND	U	ND	U	-	-
1,4-Dioxane	13000	100	ND	U	ND	U	-	-
Total Conc							-	-

TABLE 1
SOIL FIELD/TRIP BLANKS

SUMMARY OF ANALYTICAL RESULTS								
Sample ID			**EQUIPMENT BLANK SS**		**EQUIPMENT BLANK S**		-	-
Lab Sample Number			**480-159441-1**		**480-159603-1**		-	-
Sampling Date			**09/19/2019 09:00:00**		**09/23/2019 07:40:00**		-	-
Matrix			**Water**		**Water**		-	-
Dilution Factor			**1**		**1**		-	-
Units			**ug/L**		**ug/L**		-	-
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-
GC Semivolatiles - 8081B							-	-
4,4'-DDD	13000	3.3	ND	U	ND	U	-	-
4,4'-DDE	8900	3.3	ND	U	ND	U	-	-
4,4'-DDT	7900	3.3	ND	U	0.021	J	-	-
Aldrin	97	5	ND	U	ND	U	-	-
alpha-BHC	480	20	0.031	J	ND	U	-	-
cis-Chlordane	4200	94	ND	U	ND	U	-	-
beta-BHC	360	36	ND	U	ND	U	-	-
delta-BHC	100000	40	ND	U	ND	U	-	-
Dieldrin	200	5	ND	U	ND	U	-	-
Endosulfan I	24000	2400	ND	U	ND	U	-	-
Endosulfan II	24000	2400	ND	U	ND	U	-	-
Endosulfan sulfate	24000	2400	ND	U	ND	U	-	-
Endrin	11000	14	ND	U	ND	U	-	-
Endrin aldehyde			ND	U	ND	U	-	-
Endrin ketone			ND	U	ND	U	-	-
gamma-BHC (Lindane)	1300	100	ND	U	ND	U	-	-
trans-Chlordane			ND	U	ND	U	-	-
Heptachlor	2100	42	ND	U	ND	U	-	-
Heptachlor epoxide			ND	U	ND	U	-	-
Methoxychlor			ND	U	ND	U	-	-
Toxaphene			ND	U	ND	U	-	-
Sample ID			**EQUIPMENT BLANK SS**		**EQUIPMENT BLANK S**		-	-
Lab Sample Number			**480-159441-1**		**480-159603-1**		-	-
Sampling Date			**09/19/2019 09:00:00**		**09/23/2019 07:40:00**		-	-
Matrix			**Water**		**Water**		-	-
Dilution Factor			**1**		**1**		-	-
Units			**ug/L**		**ug/L**		-	-
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**-**		**Low**		-	-
GC Semivolatiles - 8082A							-	-
PCB-1016			ND	U	ND	U	-	-
PCB-1221			ND	U	ND	U	-	-
PCB-1232			ND	U	ND	U	-	-
PCB-1242			ND	U	ND	U	-	-
PCB-1248			ND	U	ND	U	-	-
PCB-1254			ND	U	ND	U	-	-
PCB-1260			ND	U	ND	U	-	-

TABLE 1
SOIL FIELD/TRIP BLANKS

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**EQUIPMENT BLANK SS**		**EQUIPMENT BLANK S**		-	-
Lab Sample Number			**480-159441-1**		**480-159603-1**		-	-
Sampling Date			**09/19/2019 09:00:00**		**09/23/2019 07:40:00**		-	-
Matrix			**Water**		**Water**		-	-
Dilution Factor			**1**		**1**		-	-
Units			**mg/L**		**mg/L**		-	-
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**-**		**Total/NA Low**		-	-
Metals							-	-
Aluminum			ND	U	ND	U	-	-
Mercury	0.81	0.18	ND	U	ND	U	-	-
Antimony			ND	U	ND	U	-	-
Arsenic	16	13	ND	U	ND	U	-	-
Barium	400	350	ND	U	ND	U	-	-
Beryllium	72	7.2	ND	U	ND	U	-	-
Cadmium	4.3	2.5	ND	U	ND	U	-	-
Calcium			ND	U	ND	U	-	-
Chromium	180	30	ND	U	ND	U	-	-
Cobalt			ND	U	ND	U	-	-
Copper	270	50	ND	U	ND	U	-	-
Iron			ND	U	ND	U	-	-
Lead	400	63	ND	U	ND	U	-	-
Magnesium			ND	U	ND	U	-	-
Manganese	2000	1600	0.0015	J B	0.0010	J	-	-
Nickel	310	30	ND	U	ND	U	-	-
Potassium			ND	U	ND	U	-	-
Selenium	180	3.9	ND	U	ND	U	-	-
Silver	180	2	ND	U	ND	U	-	-
Sodium			0.32	J	ND	U	-	-
Thallium			ND	U	ND	U	-	-
Vanadium			ND	U	ND	U	-	-
Zinc	10000	109	0.0022	J B	0.0026	J B	-	-
Sample ID			**EQUIPMENT BLANK SS**		**EQUIPMENT BLANK S**		-	-
Lab Sample Number			**480-159441-1**		**480-159603-1**		-	-
Sampling Date			**09/19/2019 09:00:00**		**09/23/2019 07:40:00**		-	-
Matrix			**Water**		**Water**		-	-
Dilution Factor							-	-
Units							-	-
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-
Wet Chemistry							-	-
Chromium, hexavalent - mg/L	110	1	ND	U H	ND	U H H3	-	-
Cyanide, Total - mg/L	27	27	ND	U *	ND	U H	-	-

TABLE 2
Groundwater Field and Trip Blank Data

TABLE 2
GROUNDWATER FIELD/TRIP BLANKS

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**EB-3**		**TRIP BLANK**		**TRIP BLANK**		**EQUIPMENT BLANK**		**TRIP BLANKS**	
Lab Sample Number		**480-159832-1**		**480-159832-2**		**480-159838-9**		**70135395005**		**70135395001**	
Sampling Date		**09/26/2019 09:50:00**		**09/26/2019 00:00:00**		**09/26/2019 00:00:00**		**6/19/2020**		**6/19/2020**	
Matrix		**Water**		**Water**		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**		**Low**		**Low**	
Volatiles - 8260C											
1,1,1-Trichloroethane	5	ND	U	ND	U	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	5	ND	U	ND	U	ND	U	ND	U	ND	U
1,1,2-Trichloroethane	1	ND	U	ND	U	ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND	U	ND	U	ND	U	ND	U	ND	U
1,1-Dichloroethane	5	ND	U	ND	U	ND	U	ND	U	ND	U
1,1-Dichloroethene	5	ND	U	ND	U	ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	5	ND	U	ND	U	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane	0.04	ND	U	ND	U	ND	U	ND	U	ND	U
1,2-Dichlorobenzene	3	ND	U	ND	U	ND	U	ND	U	ND	U
1,2-Dichloroethane	0.6	ND	U	ND	U	ND	U	ND	U	ND	U
1,2-Dichloropropane	5	ND	U	ND	U	ND	U	ND	U	ND	U
1,3-Dichlorobenzene	3	ND	U	ND	U	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	3	ND	U	ND	U	ND	U	ND	U	ND	U
2-Hexanone	50	ND	U	ND	U	ND	U	ND	U	ND	U
2-Butanone (MEK)	50	ND	U	ND	U	ND	U	ND	U	ND	U
4-Methyl-2-pentanone (MIBK)		ND	U	ND	U	ND	U	ND	U	ND	U
Acetone	50	ND	U	ND	U	ND	U	7.5		ND	U
Benzene	1	ND	U	ND	U	ND	U	ND	U	ND	U
Bromodichloromethane	50	ND	U	ND	U	ND	U	ND	U	ND	U
Bromoform	50	ND	U	ND	U	ND	U	ND	U	ND	U
Bromomethane	5	ND	U	ND	U	ND	U	ND	U	ND	U
Carbon disulfide	60	ND	U	ND	U	ND	U	ND	U	ND	U
Carbon tetrachloride	5	ND	U	ND	U	ND	U	ND	U	ND	U
Chlorobenzene	5	ND	U	ND	U	ND	U	ND	U	ND	U
Dibromochloromethane	50	ND	U	ND	U	ND	U	ND	U	ND	U
Chloroethane	5	ND	U	ND	U	ND	U	ND	U	ND	U
Chloroform	7	ND	U	ND	U	ND	U	ND	U	ND	U
Chloromethane	5	0.40	J	ND	U	0.42	J	ND	U	ND	U
cis-1,2-Dichloroethene		ND	U	ND	U	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene		ND	U	ND	U	ND	U	ND	U	ND	U
Cyclohexane		ND	U	ND	U	ND	U	ND	U	ND	U
Dichlorodifluoromethane	5	ND	U	ND	U	ND	U	ND	U	ND	U
1,2-Dibromoethane	0.0006	ND	U	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	5	ND	U	ND	U	ND	U	ND	U	ND	U
Isopropylbenzene	5	ND	U	ND	U	ND	U	ND	U	ND	U
Methyl acetate		ND	U	ND	U	ND	U	ND	U	ND	U
Methyl tert-butyl ether	10	ND	U	ND	U	ND	U	ND	U	ND	U
Methylcyclohexane		ND	U	ND	U	ND	U	ND	U	ND	U
Methylene Chloride	5	ND	U	ND	U	ND	U	ND	U	1.1	
Styrene	5	ND	U	ND	U	ND	U	ND	U	ND	U
Tetrachloroethene	5	ND	U	ND	U	ND	U	ND	U	ND	U
Toluene	5	ND	U	ND	U	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	5	ND	U	ND	U	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene		ND	U	ND	U	ND	U	ND	U	ND	U
Trichloroethene	5	ND	U	ND	U	ND	U	ND	U	ND	U
Trichlorofluoromethane	5	ND	U	ND	U	ND	U	ND	U	ND	U
Vinyl chloride	2	ND	U	ND	U	ND	U	ND	U	ND	U
Xylenes, Total	5	ND	U	ND	U	ND	U	ND	U	ND	U
Total Conc		0.4				0.42		7.5		1.1	

TABLE 2
GROUNDWATER FIELD/TRIP BLANKS

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**EB-3**		-	-	-	-	**EQUIPMENT BLANK**		-	-
Lab Sample Number		**480-159832-1**		-	-	-	-	**70135395005**		-	-
Sampling Date		**09/26/2019 09:50:00**		-	-	-	-	**6/19/2020**		-	-
Matrix		**Water**		-	-	-	-	**Water**			-
Dilution Factor		**1**		-	-	-	-	**1**		-	-
Units		**ug/L**		-	-	-	-	**ug/L**		-	-
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		-	-	-	-	**Low**		-	-
Semivolatiles - 8270D				-	-	-	-			-	-
Biphenyl	5	ND	U	-	-	-	-	ND	U	-	-
bis (2-chloroisopropyl) ether		ND	U	-	-	-	-	ND	U	-	-
2,4,5-Trichlorophenol		ND	U	-	-	-	-	ND	U	-	-
2,4,6-Trichlorophenol		ND	U	-	-	-	-	ND	U	-	-
2,4-Dichlorophenol		ND	U	-	-	-	-	ND	U	-	-
2,4-Dimethylphenol		ND	U	-	-	-	-	ND	U	-	-
2,4-Dinitrophenol		ND	U	-	-	-	-	ND	U	-	-
2,4-Dinitrotoluene	5	ND	U	-	-	-	-	ND	U	-	-
2,6-Dinitrotoluene	5	ND	U	-	-	-	-	ND	U	-	-
2-Chloronaphthalene	10	ND	U	-	-	-	-	ND	U	-	-
2-Chlorophenol		ND	U	-	-	-	-	ND	U	-	-
2-Methylnaphthalene		ND	U	-	-	-	-	ND	U	-	-
2-Methylphenol		ND	U	-	-	-	-	ND	U	-	-
2-Nitroaniline	5	ND	U	-	-	-	-	ND	U	-	-
2-Nitrophenol		ND	U	-	-	-	-	ND	U	-	-
3,3'-Dichlorobenzidine	5	ND	U	-	-	-	-	ND	U	-	-
3-Nitroaniline	5	ND	U	-	-	-	-	ND	U	-	-
4,6-Dinitro-2-methylphenol		ND	U	-	-	-	-	ND	U	-	-
4-Bromophenyl phenyl ether		ND	U	-	-	-	-	ND	U	-	-
4-Chloro-3-methylphenol		ND	U	-	-	-	-	ND	U	-	-
4-Chloroaniline	5	ND	U	-	-	-	-	ND	U	-	-
4-Chlorophenyl phenyl ether		ND	U	-	-	-	-	ND	U	-	-
4-Methylphenol		ND	U	-	-	-	-	ND	U	-	-
4-Nitroaniline	5	ND	U	-	-	-	-	ND	U	-	-
4-Nitrophenol		ND	U	-	-	-	-	ND	U	-	-
Acenaphthene	20	ND	U	-	-	-	-	ND	U	-	-
Acenaphthylene		ND	U	-	-	-	-	ND	U	-	-
Acetophenone		ND	U	-	-	-	-	ND	U	-	-
Anthracene	50	ND	U	-	-	-	-	ND	U	-	-
Atrazine	7.5	ND	U	-	-	-	-	ND	U	-	-
Benzaldehyde		ND	U	-	-	-	-	ND	U	-	-
Benzo[a]anthracene	0.002	ND	U	-	-	-	-	ND	U	-	-
Benzo[a]pyrene		ND	U	-	-	-	-	ND	U	-	-
Benzo[b]fluoranthene	0.002	ND	U	-	-	-	-	ND	U	-	-
Benzo[g,h,i]perylene		ND	U	-	-	-	-	ND	U	-	-
Benzo[k]fluoranthene	0.002	ND	U	-	-	-	-	ND	U	-	-
Bis(2-chloroethoxy)methane	5	ND	U	-	-	-	-	ND	U	-	-
Bis(2-chloroethyl)ether	5	ND	U	-	-	-	-	ND	U	-	-
Bis(2-ethylhexyl) phthalate	5	ND	U	-	-	-	-	ND	U	-	-
Butyl benzyl phthalate	50	ND	U	-	-	-	-	ND	U	-	-
Caprolactam		ND	U	-	-	-	-	ND	U	-	-
Carbazole		ND	U	-	-	-	-	ND	U	-	-
Chrysene	0.002	ND	U	-	-	-	-	ND	U	-	-
Di-n-butyl phthalate	50	ND	U	-	-	-	-	ND	U	-	-
Di-n-octyl phthalate	50	ND	U	-	-	-	-	ND	U	-	-
Dibenz(a,h)anthracene		ND	U	-	-	-	-	ND	U	-	-
Dibenzofuran		ND	U	-	-	-	-	ND	U	-	-
Diethyl phthalate	50	ND	U	-	-	-	-	ND	U	-	-
Dimethyl phthalate	50	ND	U	-	-	-	-	ND	U	-	-
Fluoranthene	50	ND	U	-	-	-	-	ND	U	-	-
Fluorene	50	ND	U	-	-	-	-	ND	U	-	-
Hexachlorobenzene	0.04	ND	U	-	-	-	-	ND	U	-	-
Hexachlorobutadiene	0.5	ND	U	-	-	-	-	ND	U	-	-
Hexachlorocyclopentadiene	5	ND	U	-	-	-	-	ND	U	-	-
Hexachloroethane	5	ND	U	-	-	-	-	ND	U	-	-
Indeno[1,2,3-cd]pyrene	0.002	ND	U	-	-	-	-	ND	U	-	-
Isophorone	50	ND	U	-	-	-	-	ND	U	-	-
N-Nitrosodi-n-propylamine		ND	U	-	-	-	-	ND	U	-	-
N-Nitrosodiphenylamine	50	ND	U	-	-	-	-	ND	U	-	-
Naphthalene	10	ND	U	-	-	-	-	ND	U	-	-
Nitrobenzene	0.4	ND	U	-	-	-	-	ND	U	-	-
Pentachlorophenol		ND	U	-	-	-	-	ND	U	-	-
Phenanthrene	50	ND	U	-	-	-	-	ND	U	-	-
Phenol		ND	U	-	-	-	-	ND	U	-	-
Pyrene	50	ND	U	-	-	-	-	ND	U	-	-
1,4-Dioxane	50**	ND	U	-	-	-	-	-	-	-	-
Total Conc				-	-	-	-			-	-

** 1,4-Dioxane compared to the NY State Maximum Concentration of Contaminants for the Toxicity Characteristic

TABLE 2
GROUNDWATER FIELD/TRIP BLANKS

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**EB-3**		-	-	-	-	**EQUIPMENT BLANK**		-	-
Lab Sample Number		**480-159832-1**		-	-	-	-	**70135395005**		-	-
Sampling Date		**09/26/2019 09:50:00**		-	-	-	-	**6/19/2020**		-	-
Matrix		**Water**		-	-	-	-	**Water**		-	-
Dilution Factor		**1**		-	-	-	-	**1**		-	-
Units		**ug/L**		-	-	-	-	**ug/L**		-	-
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		-	-	-	-	**Low**		-	-
GC Semivolatiles - 8081B				-	-	-	-			-	-
4,4'-DDD	0.3	0.014	J	-	-	-	-	ND	U	-	-
4,4'-DDE	0.2	ND	U	-	-	-	-	ND	U	-	-
4,4'-DDT	0.2	0.022	J	-	-	-	-	ND	U	-	-
Aldrin		ND	U	-	-	-	-	ND	U	-	-
alpha-BHC	0.01	0.022	J B	-	-	-	-	ND	U	-	-
cis-Chlordane		ND	U	-	-	-	-	ND	U	-	-
beta-BHC	0.04	ND	U	-	-	-	-	ND	U	-	-
delta-BHC	0.04	ND	U	-	-	-	-	ND	U	-	-
Dieldrin	0.004	ND	U	-	-	-	-	ND	U	-	-
Endosulfan I		ND	U	-	-	-	-	ND	U	-	-
Endosulfan II		ND	U	-	-	-	-	ND	U	-	-
Endosulfan sulfate		ND	U	-	-	-	-	ND	U	-	-
Endrin		ND	U	-	-	-	-	ND	U	-	-
Endrin aldehyde	5	ND	U	-	-	-	-	ND	U	-	-
Endrin ketone	5	ND	U	-	-	-	-	ND	U	-	-
gamma-BHC (Lindane)	0.05	ND	U	-	-	-	-	ND	U	-	-
trans-Chlordane		0.016	J	-	-	-	-	ND	U	-	-
Heptachlor	0.04	ND	U	-	-	-	-	ND	U	-	-
Heptachlor epoxide	0.03	ND	U	-	-	-	-	ND	U	-	-
Methoxychlor	35	ND	U	-	-	-	-	ND	U	-	-
Toxaphene	0.06	ND	U	-	-	-	-	ND	U	-	-
Sample ID		**EB-3**		-	-	-	-	**EQUIPMENT BLANK**		-	-
Lab Sample Number		**480-159832-1**		-	-	-	-	**70135395005**		-	-
Sampling Date		**09/26/2019 09:50:00**		-	-	-	-	**6/19/2020**		-	-
Matrix		**Water**		-	-	-	-	**Water**		-	-
Dilution Factor		**1**		-	-	-	-	**1**		-	-
Units		**ug/L**		-	-	-	-	**ug/L**		-	-
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		-	-	-	-	-		-	-
GC Semivolatiles - 8082A				-	-	-	-			-	-
PCB-1016		ND	U	-	-	-	-	ND	U	-	-
PCB-1221		ND	U	-	-	-	-	ND	U	-	-
PCB-1232		ND	U	-	-	-	-	ND	U	-	-
PCB-1242		ND	U	-	-	-	-	ND	U	-	-
PCB-1248		ND	U	-	-	-	-	ND	U	-	-
PCB-1254		ND	U	-	-	-	-	ND	U	-	-
PCB-1260		ND	U	-	-	-	-	ND	U	-	-

TABLE 2
GROUNDWATER FIELD/TRIP BLANKS

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**EB-3**		-	-	-	-	**EQUIPMENT BLANK**		-	-
Lab Sample Number		**480-159832-1**		-	-	-	-	**70135395005**		-	-
Sampling Date		**09/26/2019 09:50:00**		-	-	-	-	**6/19/2020**		-	-
Matrix		**Water**		-	-	-	-	**Water**		-	-
Dilution Factor		**1**		-	-	-	-	**1**		-	-
Units		**mg/L**		-	-	-	-	**ug/L**		-	-
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Total/NA Low**		-	-	-	-	-		-	-
Metals				-	-	-	-			-	-
Aluminum		0.29		-	-	-	-	ND	U	-	-
Mercury	0.0007	ND	U	-	-	-	-	ND	U	-	-
Antimony	0.003	ND	U	-	-	-	-	ND	U	-	-
Arsenic	0.025	ND	U	-	-	-	-	ND	U	-	-
Barium	1	ND	U	-	-	-	-	ND	U	-	-
Beryllium	0.003	ND	U	-	-	-	-	ND	U	-	-
Cadmium	0.005	ND	U	-	-	-	-	ND	U	-	-
Calcium		ND	U	-	-	-	-	ND	U	-	-
Chromium	0.05	ND	U	-	-	-	-	ND	U	-	-
Cobalt		ND	U	-	-	-	-	ND	U	-	-
Copper	0.2	ND	U	-	-	-	-	ND	U	-	-
Iron	0.3	ND	U	-	-	-	-	ND	U	-	-
Lead	0.025	ND	U	-	-	-	-	ND	U	-	-
Magnesium	35	ND	U	-	-	-	-	ND	U	-	-
Manganese	0.3	0.00092	J B	-	-	-	-	ND	U	-	-
Nickel	0.1	ND	U	-	-	-	-	ND	U	-	-
Potassium		ND	U	-	-	-	-	ND	U	-	-
Selenium	0.01	ND	U	-	-	-	-	ND	U	-	-
Silver	0.05	ND	U	-	-	-	-	ND	U	-	-
Sodium	20	ND	U	-	-	-	-	ND	U	-	-
Thallium	0.0005	ND	U	-	-	-	-	ND	U	-	-
Vanadium		ND	U	-	-	-	-	ND	U	-	-
Zinc	2	0.0072	J B	-	-	-	-	ND	U	-	-
Sample ID		**EB-3**		-	-	-	-	**EQUIPMENT BLANK**		-	-
Lab Sample Number		**480-159832-1**		-	-	-	-	**70135395005**		-	-
Sampling Date		**09/26/2019 09:50:00**		-	-	-	-	**6/19/2020**		-	-
Matrix		**Water**		-	-	-	-	**Water**		-	-
Dilution Factor				-	-	-	-	**1**		-	-
Units				-	-	-	-	**ug/L**		-	-
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		-	-	-	-	**Low**		-	-
Wet Chemistry				-	-	-	-			-	-
Chromium, hexavalent - mg/L	0.05	ND	U H	-	-	-	-	-	-	-	-
Cyanide, Total - mg/L	0.2	ND	U	-	-	-	-	ND	U	-	-

TABLE 3
Surface Soil Sample Data

TABLE 3
SURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS								
Sample ID			**RI-3_S SURFACE**		**RI-5_S SURFACE**		**RI-16 SURFACE**	
Lab Sample Number			**480-159250-3**		**480-159250-1**		**480-159417-2**	
Sampling Date			**09/16/2019 10:40:00**		**09/16/2019 09:35:00**		**09/17/2019 08:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**10**		**5**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Volatiles - 8260C								
1,1,1-Trichloroethane	100000	680	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	100000	1100	ND	U	ND	U F1	ND	U
1,1,2-Trichloroethane			ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane			ND	U	ND	U	ND	U
1,1-Dichloroethane			ND	U	ND	U	ND	U
1,1-Dichloroethene	26000	270	ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	100000	330	ND	U	ND	U F1	ND	U
1,2-Dibromo-3-Chloropropane			ND	U	ND	U	ND	U
1,2-Dichlorobenzene			ND	U	ND	U F1	ND	U
1,2-Dichloroethane	3100	20	ND	U	ND	U	ND	U
1,2-Dichloropropane			ND	U	ND	U	ND	U
1,3-Dichlorobenzene	49000	2400	ND	U	ND	U F1	ND	U
1,4-Dichlorobenzene	13000	1800	ND	U	ND	U F1	ND	U
2-Hexanone	100000	120	ND	U	ND	U F1	ND	U
2-Butanone (MEK)			ND	U	ND	U F1	ND	U *
4-Methyl-2-pentanone (MIBK)			ND	U	ND	U	ND	U
Acetone	100000	50	ND	U	ND	U F1	ND	U
Benzene	4800	60	ND	U	ND	U	ND	U
Bromodichloromethane			ND	U	ND	U	ND	U
Bromoform			ND	U	ND	U	ND	U *
Bromomethane			ND	U	ND	U	ND	U
Carbon disulfide			ND	U	ND	U	ND	U
Carbon tetrachloride	2400	760	ND	U	ND	U	ND	U
Chlorobenzene	100000	1100	ND	U	ND	U F1	ND	U
Dibromochloromethane			ND	U	ND	U	ND	U *
Chloroethane			ND	U	ND	U	ND	U
Chloroform	49000	370	ND	U	ND	U	ND	U
Chloromethane			ND	U	ND	U	ND	U
cis-1,2-Dichloroethene	100000	250	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene			ND	U	ND	U F1	ND	U
Cyclohexane			ND	U	ND	U F1	ND	U
Dichlorodifluoromethane			ND	U	ND	U	ND	U
1,2-Dibromoethane	41000	1000	ND	U	ND	U	ND	U
Ethylbenzene			ND	U	ND	U F1	ND	U
Isopropylbenzene			ND	U	ND	U F1	ND	U
Methyl acetate			ND	U	ND	U	ND	U
Methyl tert-butyl ether	100000	930	ND	U	ND	U	ND	U
Methylcyclohexane			ND	U	ND	U F1	ND	U
Methylene Chloride	100000	50	ND	U	ND	U	ND	U
Styrene			ND	U	ND	U F1	ND	U
Tetrachloroethene	19000	1300	ND	U	ND	U F1	ND	U
Toluene	100000	700	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	100000	190	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene			ND	U	ND	U	ND	U
Trichloroethene	21000	470	ND	U	ND	U F1	ND	U
Trichlorofluoromethane			ND	U	ND	U	ND	U
Vinyl chloride	900	20	ND	U	ND	U	ND	U
Xylenes, Total	100000	260	ND	U	ND	U F1	ND	U
Total Conc								

TABLE 3
SURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS										
Sample ID			**RI-17 SURFACE**		**RI-18 SURFACE**		-	-	**DUPE-1**	
Lab Sample Number			**480-159417-3**		**480-159630-1**		-	-	**480-159250-5**	
Sampling Date			**09/17/2019 08:32:00**		**09/23/2019 08:35:00**		-	-	**09/16/2019 00:00:00**	
Matrix			**Solid**		**Solid**		-	-	**Solid**	
Dilution Factor			**1**		**1**		-	-	**1**	
Units			**ug/Kg**		**ug/Kg**		-	-	**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-	**Low**	
Volatiles - 8260C										
1,1,1-Trichloroethane	100000	680	ND	U	ND	U	-	-	ND	U
1,1,2,2-Tetrachloroethane	100000	1100	ND	U	ND	U	-	-	ND	U
1,1,2-Trichloroethane			ND	U	ND	U	-	-	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane			ND	U	ND	U	-	-	ND	U
1,1-Dichloroethane			ND	U	ND	U	-	-	ND	U
1,1-Dichloroethene	26000	270	ND	U	ND	U	-	-	ND	U
1,2,4-Trichlorobenzene	100000	330	ND	U	ND	U	-	-	ND	U
1,2-Dibromo-3-Chloropropane			ND	U	ND	U	-	-	ND	U
1,2-Dichlorobenzene			ND	U	ND	U	-	-	ND	U
1,2-Dichloroethane	3100	20	ND	U	ND	U	-	-	ND	U
1,2-Dichloropropane			ND	U	ND	U	-	-	ND	U
1,3-Dichlorobenzene	49000	2400	ND	U	ND	U	-	-	ND	U
1,4-Dichlorobenzene	13000	1800	ND	U	ND	U	-	-	ND	U
2-Hexanone	100000	120	ND	U	ND	U *	-	-	ND	U
2-Butanone (MEK)			ND	U *	ND	U	-	-	ND	U
4-Methyl-2-pentanone (MIBK)			ND	U	ND	U	-	-	ND	U
Acetone	100000	50	ND	U	ND	U	-	-	ND	U
Benzene	4800	60	ND	U	ND	U	-	-	ND	U
Bromodichloromethane			ND	U	ND	U	-	-	ND	U
Bromoform			ND	U *	ND	U	-	-	ND	U
Bromomethane			ND	U	ND	U	-	-	ND	U
Carbon disulfide			ND	U	ND	U	-	-	ND	U
Carbon tetrachloride	2400	760	ND	U	ND	U	-	-	ND	U
Chlorobenzene	100000	1100	ND	U	ND	U	-	-	ND	U
Dibromochloromethane			ND	U *	ND	U	-	-	ND	U
Chloroethane			ND	U	ND	U	-	-	ND	U
Chloroform	49000	370	ND	U	ND	U	-	-	ND	U
Chloromethane			ND	U	ND	U	-	-	ND	U
cis-1,2-Dichloroethene	100000	250	ND	U	ND	U	-	-	ND	U
cis-1,3-Dichloropropene			ND	U	ND	U	-	-	ND	U
Cyclohexane			ND	U	ND	U	-	-	ND	U
Dichlorodifluoromethane			ND	U	ND	U	-	-	ND	U
1,2-Dibromoethane	41000	1000	ND	U	ND	U	-	-	ND	U
Ethylbenzene			ND	U	ND	U	-	-	ND	U
Isopropylbenzene			ND	U	ND	U	-	-	ND	U
Methyl acetate			ND	U	ND	U	-	-	ND	U
Methyl tert-butyl ether	100000	930	ND	U	ND	U	-	-	ND	U
Methylcyclohexane			ND	U	ND	U	-	-	ND	U
Methylene Chloride	100000	50	ND	U	ND	U	-	-	1.2	J
Styrene			ND	U	ND	U	-	-	ND	U
Tetrachloroethene	19000	1300	ND	U	ND	U	-	-	ND	U
Toluene	100000	700	ND	U	ND	U	-	-	ND	U
trans-1,2-Dichloroethene	100000	190	ND	U	ND	U	-	-	ND	U
trans-1,3-Dichloropropene			ND	U	ND	U	-	-	ND	U
Trichloroethene	21000	470	ND	U	ND	U	-	-	ND	U
Trichlorofluoromethane			ND	U	ND	U	-	-	ND	U
Vinyl chloride	900	20	ND	U	ND	U	-	-	ND	U
Xylenes, Total	100000	260	ND	U	ND	U	-	-	ND	U
Total Conc									1.2	

TABLE 3
SURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-3 S SURFACE**		**RI-5 S SURFACE**		**RI-16 SURFACE**	
Lab Sample Number			**480-159250-3**		**480-159250-1**		**480-159417-2**	
Sampling Date			**09/16/2019 10:40:00**		**09/16/2019 09:35:00**		**09/17/2019 08:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**10**		**5**		**5**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Semivolatiles - 8270D								
Biphenyl			ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether			ND	U	ND	U	ND	U
2,4,5-Trichlorophenol			ND	U	ND	U	ND	U
2,4,6-Trichlorophenol			ND	U	ND	U	ND	U
2,4-Dichlorophenol			ND	U	ND	U	ND	U
2,4-Dimethylphenol			ND	U	ND	U	ND	U
2,4-Dinitrophenol			ND	U	ND	U	ND	U
2,4-Dinitrotoluene			ND	U	ND	U	ND	U
2,6-Dinitrotoluene			ND	U	ND	U	ND	U
2-Chloronaphthalene			ND	U	ND	U	ND	U
2-Chlorophenol			ND	U	ND	U	ND	U
2-Methylnaphthalene			ND	U	ND	U	ND	U
2-Methylphenol	100000	330	ND	U	ND	U	ND	U
2-Nitroaniline			ND	U	ND	U	ND	U
2-Nitrophenol			ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine			ND	U	ND	U	ND	U
3-Nitroaniline			ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol			ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether			ND	U	ND	U	ND	U
4-Chloro-3-methylphenol			ND	U	ND	U	ND	U
4-Chloroaniline			ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether			ND	U	ND	U	ND	U
4-Methylphenol	100000	330	ND	U	ND	U	ND	U
4-Nitroaniline			ND	U	ND	U	ND	U
4-Nitrophenol			ND	U	ND	U	ND	U
Acenaphthene	100000	20000	ND	U	ND	U	ND	U
Acenaphthylene	100000	100000	ND	U	ND	U	ND	U
Acetophenone			ND	U	ND	U	ND	U
Anthracene	100000	100000	ND	U	ND	U	ND	U
Atrazine			ND	U	ND	U	ND	U
Benzaldehyde			ND	U	ND	U	ND	U
Benzo[a]anthracene	1000	1000	330	J	330	J	110	J
Benzo[a]pyrene	1000	1000	360	J	320	J	ND	U
Benzo[b]fluoranthene	1000	1000	530	J	500	J F2	150	J
Benzo[g,h,i]perylene	100000	100000	320	J	220	J F2	120	J
Benzo[k]fluoranthene	3900	800	ND	U	170	J	ND	U
Bis(2-chloroethoxy)methane			ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether			ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate			ND	U	ND	U	ND	U
Butyl benzyl phthalate			ND	U	ND	U	ND	U
Caprolactam			ND	U	ND	U	ND	U
Carbazole			ND	U	ND	U	ND	U
Chrysene	3900	1000	440	J	340	J	ND	U
Di-n-butyl phthalate			ND	U	ND	U	ND	U
Di-n-octyl phthalate			ND	U	ND	U F1	ND	U
Dibenz(a,h)anthracene	330	330	ND	U	ND	U	ND	U
Dibenzofuran	59000	7000	ND	U	ND	U	ND	U
Diethyl phthalate			ND	U	ND	U	ND	U
Dimethyl phthalate			ND	U	ND	U	ND	U
Fluoranthene	100000	100000	690	J	730	J F1	190	J
Fluorene	100000	30000	ND	U	ND	U	ND	U
Hexachlorobenzene	1200	330	ND	U	ND	U	ND	U
Hexachlorobutadiene			ND	U	ND	U	ND	U
Hexachlorocyclopentadiene			ND	U	ND	U	ND	U
Hexachloroethane			ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	500	500	280	J	170	J	120	J
Isophorone			ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine			ND	U	ND	U	ND	U
N-Nitrosodiphenylamine			ND	U	ND	U	ND	U
Naphthalene	100000	12000	ND	U	ND	U	ND	U
Nitrobenzene			ND	U	ND	U	ND	U
Pentachlorophenol	6700	800	ND	U	ND	U	ND	U
Phenanthrene	100000	100000	360	J	380	J	ND	U
Phenol	100000	330	ND	U	ND	U	ND	U
Pyrene	100000	100000	620	J	620	J	160	J
1,4-Dioxane	13000	100	ND	U	ND	U	ND	U
Total Conc			3930		3780		850	

TABLE 3
SURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS										
SUMMARY OF ANALYTICAL RESULTS										
Sample ID			**RI-17 SURFACE**		**RI-18 SURFACE**		-	-	**DUPE-1**	
Lab Sample Number			**480-159417-3**		**480-159630-1**		-	-	**480-159250-5**	
Sampling Date			**09/17/2019 08:32:00**		**09/23/2019 08:35:00**		-	-	**09/16/2019 00:00:00**	
Matrix			**Solid**		**Solid**		-	-	**Solid**	
Dilution Factor			**20**		**5**		-	-	**10**	
Units			**ug/Kg**		**ug/Kg**		-	-	**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-	**Low**	
Semivolatiles - 8270D										
Biphenyl			ND	U	ND	U	-	-	ND	U
bis (2-chloroisopropyl) ether			ND	U	ND	U	-	-	ND	U
2,4,5-Trichlorophenol			ND	U	ND	U	-	-	ND	U
2,4,6-Trichlorophenol			ND	U	ND	U	-	-	ND	U
2,4-Dichlorophenol			ND	U	ND	U	-	-	ND	U
2,4-Dimethylphenol			ND	U	ND	U	-	-	ND	U
2,4-Dinitrophenol			ND	U	ND	U	-	-	ND	U
2,4-Dinitrotoluene			ND	U	ND	U	-	-	ND	U
2,6-Dinitrotoluene			ND	U	ND	U	-	-	ND	U
2-Chloronaphthalene			ND	U	ND	U	-	-	ND	U
2-Chlorophenol			ND	U	ND	U	-	-	ND	U
2-Methylnaphthalene			ND	U	ND	U	-	-	ND	U
2-Methylphenol	100000	330	ND	U	ND	U	-	-	ND	U
2-Nitroaniline			ND	U	ND	U	-	-	ND	U
2-Nitrophenol			ND	U	ND	U	-	-	ND	U
3,3'-Dichlorobenzidine			ND	U	ND	U	-	-	ND	U
3-Nitroaniline			ND	U	ND	U	-	-	ND	U
4,6-Dinitro-2-methylphenol			ND	U	ND	U	-	-	ND	U
4-Bromophenyl phenyl ether			ND	U	ND	U	-	-	ND	U
4-Chloro-3-methylphenol			ND	U	ND	U	-	-	ND	U
4-Chloroaniline			ND	U	ND	U	-	-	ND	U
4-Chlorophenyl phenyl ether			ND	U	ND	U	-	-	ND	U
4-Methylphenol	100000	330	ND	U	ND	U	-	-	ND	U
4-Nitroaniline			ND	U	ND	U	-	-	ND	U
4-Nitrophenol			ND	U	ND	U	-	-	ND	U
Acenaphthene	100000	20000	ND	U	ND	U	-	-	ND	U
Acenaphthylene	100000	100000	ND	U	ND	U	-	-	ND	U
Acetophenone			ND	U	ND	U	-	-	ND	U
Anthracene	100000	100000	ND	U	ND	U	-	-	ND	U
Atrazine			ND	U	ND	U	-	-	ND	U
Benzaldehyde			ND	U	ND	U	-	-	ND	U
Benzo[a]anthracene	1000	1000	460	J	ND	U	-	-	360	J
Benzo[a]pyrene	1000	1000	ND	U	150	J	-	-	340	J
Benzo[b]fluoranthene	1000	1000	600	J	180	J	-	-	520	J
Benzo[g,h,i]perylene	100000	100000	430	J	110	J	-	-	240	J
Benzo[k]fluoranthene	3900	800	ND	U	ND	U	-	-	ND	U
Bis(2-chloroethoxy)methane			ND	U	ND	U	-	-	ND	U
Bis(2-chloroethyl)ether			ND	U	ND	U	-	-	ND	U
Bis(2-ethylhexyl) phthalate			ND	U	430	J	-	-	ND	U
Butyl benzyl phthalate			ND	U	ND	U	-	-	ND	U
Caprolactam			ND	U	ND	U	-	-	ND	U
Carbazole			ND	U	ND	U	-	-	ND	U
Chrysene	3900	1000	ND	U	ND	U	-	-	410	J
Di-n-butyl phthalate			ND	U	ND	U	-	-	ND	U
Di-n-octyl phthalate			ND	U	ND	U	-	-	ND	U
Dibenz(a,h)anthracene	330	330	ND	U	ND	U	-	-	ND	U
Dibenzofuran	59000	7000	ND	U	ND	U	-	-	ND	U
Diethyl phthalate			ND	U	ND	U	-	-	ND	U
Dimethyl phthalate			ND	U	ND	U	-	-	ND	U
Fluoranthene	100000	100000	910	J	330	J	-	-	760	J
Fluorene	100000	30000	ND	U	ND	U	-	-	ND	U
Hexachlorobenzene	1200	330	ND	U	ND	U	-	-	ND	U
Hexachlorobutadiene			ND	U	ND	U	-	-	ND	U
Hexachlorocyclopentadiene			ND	U	ND	U	-	-	ND	U
Hexachloroethane			ND	U	ND	U	-	-	ND	U
Indeno[1,2,3-cd]pyrene	500	500	470	J	110	J	-	-	220	J
Isophorone			ND	U	ND	U	-	-	ND	U
N-Nitrosodi-n-propylamine			ND	U	ND	U	-	-	ND	U
N-Nitrosodiphenylamine			ND	U	ND	U	-	-	ND	U
Naphthalene	100000	12000	ND	U	ND	U	-	-	ND	U
Nitrobenzene			ND	U	ND	U	-	-	ND	U
Pentachlorophenol	6700	800	ND	U	ND	U	-	-	ND	U
Phenanthrene	100000	100000	ND	U	150	J	-	-	350	J
Phenol	100000	330	ND	U	ND	U	-	-	ND	U
Pyrene	100000	100000	750	J	280	J	-	-	620	J
1,4-Dioxane	13000	100	ND	U	ND	U	-	-	ND	U
Total Conc			3620		1740				3820	

TABLE 3
SURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-3 S SURFACE**		**RI-5 S SURFACE**		**RI-16 SURFACE**	
Lab Sample Number			**480-159250-3**		**480-159250-1**		**480-159417-2**	
Sampling Date			**09/16/2019 10:40:00**		**09/16/2019 09:35:00**		**09/17/2019 08:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**10**		**10**		**5**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B								
4,4'-DDD	13000	3.3	ND	U	ND	U	ND	U
4,4'-DDE	8900	3.3	ND	U	ND	U	ND	U
4,4'-DDT	7900	3.3	8.6	J B	7.6	J B	2.1	J
Aldrin	97	5	ND	U	ND	U	ND	U
alpha-BHC	480	20	ND	U	ND	U	2.5	J
cis-Chlordane	4200	94	ND	U	ND	U	ND	U
beta-BHC	360	36	ND	U	ND	U	ND	U
delta-BHC	100000	40	ND	U	ND	U	ND	U
Dieldrin	200	5	ND	U	ND	U	ND	U
Endosulfan I	24000	2400	ND	U	ND	U	ND	U
Endosulfan II	24000	2400	ND	U	ND	U	ND	U
Endosulfan sulfate	24000	2400	ND	U	ND	U	ND	U
Endrin	11000	14	ND	U	ND	U	ND	U
Endrin aldehyde			10	J B	ND	U	ND	U
Endrin ketone			ND	U	ND	U	ND	U
gamma-BHC (Lindane)	1300	100	ND	U	ND	U	ND	U
trans-Chlordane			ND	U	ND	U	ND	U
Heptachlor	2100	42	ND	U	ND	U	ND	U
Heptachlor epoxide			ND	U	ND	U	ND	U
Methoxychlor			ND	U	ND	U	ND	U
Toxaphene			ND	U	ND	U	ND	U
Sample ID			**RI-3 S SURFACE**		**RI-5 S SURFACE**		**RI-16 SURFACE**	
Lab Sample Number			**480-159250-3**		**480-159250-1**		**480-159417-2**	
Sampling Date			**09/16/2019 10:40:00**		**09/16/2019 09:35:00**		**09/17/2019 08:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A								
PCB-1016			ND	U	ND	U	ND	U
PCB-1221			ND	U	ND	U	ND	U
PCB-1232			ND	U	ND	U	ND	U
PCB-1242			ND	U	ND	U	ND	U
PCB-1248			ND	U	ND	U	ND	U
PCB-1254			ND	U	ND	U	ND	U
PCB-1260			ND	U	ND	U	ND	U

TABLE 3
SURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS										
Sample ID			**RI-17 SURFACE**		**RI-18 SURFACE**		-	-	**DUPE-1**	
Lab Sample Number			**480-159417-3**		**480-159630-1**		-	-	**480-159250-5**	
Sampling Date			**09/17/2019 08:32:00**		**09/23/2019 08:35:00**		-	-	**09/16/2019 00:00:00**	
Matrix			**Solid**		**Solid**		-	-	**Solid**	
Dilution Factor			**10**		**5**		-	-	**5**	
Units			**ug/Kg**		**ug/Kg**		-	-	**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-	**Low**	
GC Semivolatiles - 8081B							-	-		
4,4'-DDD	13000	3.3	ND	U	ND	U	-	-	ND	U
4,4'-DDE	8900	3.3	ND	U	ND	U	-	-	ND	U
4,4'-DDT	7900	3.3	4.9	J	4.8	J	-	-	3.8	J B
Aldrin	97	5	ND	U	ND	U	-	-	ND	U
alpha-BHC	480	20	ND	U	3.7	J B	-	-	ND	U
cis-Chlordane	4200	94	ND	U	ND	U	-	-	ND	U
beta-BHC	360	36	ND	U	2.8	J	-	-	ND	U
delta-BHC	100000	40	ND	U	ND	U	-	-	ND	U
Dieldrin	200	5	ND	U	ND	U	-	-	ND	U
Endosulfan I	24000	2400	ND	U	ND	U	-	-	ND	U
Endosulfan II	24000	2400	ND	U	ND	U	-	-	ND	U
Endosulfan sulfate	24000	2400	ND	U	ND	U	-	-	ND	U
Endrin	11000	14	ND	U	ND	U	-	-	ND	U
Endrin aldehyde			ND	U	ND	U	-	-	ND	U
Endrin ketone			ND	U	ND	U	-	-	ND	U
gamma-BHC (Lindane)	1300	100	ND	U	ND	U	-	-	ND	U
trans-Chlordane			ND	U	ND	U	-	-	ND	U
Heptachlor	2100	42	ND	U	ND	U	-	-	ND	U
Heptachlor epoxide			ND	U	ND	U	-	-	ND	U
Methoxychlor			ND	U	4.3	J	-	-	ND	U
Toxaphene			ND	U	ND	U	-	-	ND	U
Sample ID			**RI-17 SURFACE**		**RI-18 SURFACE**		-	-	**DUPE-1**	
Lab Sample Number			**480-159417-3**		**480-159630-1**		-	-	**480-159250-5**	
Sampling Date			**09/17/2019 08:32:00**		**09/23/2019 08:35:00**		-	-	**09/16/2019 00:00:00**	
Matrix			**Solid**		**Solid**		-	-	**Solid**	
Dilution Factor			**1**		**1**		-	-	**1**	
Units			**mg/Kg**		**mg/Kg**		-	-	**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-	**Low**	
GC Semivolatiles - 8082A										
PCB-1016			ND	U	ND	U	-	-	ND	U
PCB-1221			ND	U	ND	U	-	-	ND	U
PCB-1232			ND	U	ND	U	-	-	ND	U
PCB-1242			ND	U	ND	U	-	-	ND	U
PCB-1248			ND	U	ND	U	-	-	ND	U
PCB-1254			ND	U	ND	U	-	-	ND	U
PCB-1260			ND	U	ND	U	-	-	ND	U

TABLE 3
SURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-3 S SURFACE**		**RI-5 S SURFACE**		**RI-16 SURFACE**	
Lab Sample Number			**480-159250-3**		**480-159250-1**		**480-159417-2**	
Sampling Date			**09/16/2019 10:40:00**		**09/16/2019 09:35:00**		**09/17/2019 08:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Total/NA Low**		**Total/NA Low**		**Total/NA Low**	
Metals								
Aluminum			**7380**		**6380**	F1	**13100**	
Mercury	0.81	0.18	**0.18**		**0.17**		**0.21**	
Antimony			ND	U	ND	U	ND	U
Arsenic	16	13	**5.3**		**2.4**		**9.1**	
Barium	400	350	**66.9**		**31.4**	F1	**127**	
Beryllium	72	7.2	**0.35**		**0.30**		**0.86**	
Cadmium	4.3	2.5	0.14	J	0.052	J	**0.26**	
Calcium			**8930**	B	**1190**	B	**8570**	B
Chromium	180	30	**16.1**		**7.2**		**17.4**	
Cobalt			**16.6**		**3.5**		**11.0**	
Copper	270	50	**106**		**11.0**		**49.1**	
Iron			**35200**		**10300**	F2	**27500**	
Lead	400	63	**136**		**17.7**	F1	**125**	
Magnesium			**1950**	B	**1310**	B	**5330**	B
Manganese	2000	1600	**1370**	B	**257**	B	**650**	B
Nickel	310	30	**30.1**		**7.9**		**25.0**	
Potassium			**1100**		**841**	F1	**2220**	
Selenium	180	3.9	ND	U	ND	U	ND	U
Silver	180	2	ND	U	ND	U	ND	U
Sodium			101	J	39.9	J	**176**	
Thallium			ND	U	ND	U	ND	U
Vanadium			**20.9**		**14.0**		**23.7**	
Zinc	10000	109	**134**		**62.3**	F1	**204**	
Sample ID			**RI-3 S SURFACE**		**RI-5 S SURFACE**		**RI-16 SURFACE**	
Lab Sample Number			**480-159250-3**		**480-159250-1**		**480-159417-2**	
Sampling Date			**09/16/2019 10:40:00**		**09/16/2019 09:35:00**		**09/17/2019 08:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor								
Units								
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Wet Chemistry								
Cr (VI) - mg/Kg	110	1	ND	U	ND	U F1	ND	U
Cyanide, Total - mg/Kg	27	27	0.81	J H	ND	U H F1	ND	U H

Note:
Lab results for RI-3 Surface are reported as "RI-3 S 0-2'" and "RI-3 S 0-6'"
Lab results for RI-5 Surface are reported as "RI-5 S 0-2'" and "RI-5 S 0-6'"

TABLE 3
SURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS										
Sample ID			**RI-17 SURFACE**		**RI-18 SURFACE**		**RI-18 SURFACE**		**DUPE-1**	
Lab Sample Number			**480-159417-3**		**480-159630-1**		**480-159630-1**		**480-159250-5**	
Sampling Date			**09/17/2019 08:32:00**		**09/23/2019 08:35:00**		**09/23/2019 08:35:00**		**09/16/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**5**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Total/NA Low**		**Total/NA Low**		Total/NA Low		**Total/NA Low**	
Metals										
Aluminum			**15400**		**21500**	B	NR		**8390**	
Mercury	0.81	0.18	**0.091**		**0.037**		NR		**0.16**	
Antimony			ND	U	2.0	J	NR		ND	U
Arsenic	16	13	**5.4**		**3.4**		NR		**5.1**	
Barium	400	350	**122**		**294**		NR		**72.6**	
Beryllium	72	7.2	**0.82**		**1.7**		NR		**0.38**	
Cadmium	4.3	2.5	0.067	J	0.056	J	NR		0.16	J
Calcium			**7310**	B	**13100**	B	NR		**7890**	B
Chromium	180	30	**19.6**		**31.6**		NR		**18.6**	
Cobalt			**12.3**		NR		**12.5**		**16.7**	
Copper	270	50	**36.7**		NR		**43.4**		**128**	
Iron			**28000**		**29500**		NR		**36800**	
Lead	400	63	**78.8**		**32.8**		NR		**182**	
Magnesium			**5210**	B	**3670**		NR		**1920**	B
Manganese	2000	1600	**658**	B	**499**		NR		**1470**	B
Nickel	310	30	**27.8**		**29.6**		NR		**30.2**	
Potassium			**2180**		**2620**		NR		**1250**	
Selenium	180	3.9	ND	U	ND	U	NR		ND	U
Silver	180	2	ND	U	ND	U	NR		ND	U
Sodium			81.2	J	**830**		NR		112	J
Thallium			ND	U	ND	U	NR		ND	U
Vanadium			**24.5**		NR		**44.5**		**31.6**	
Zinc	10000	109	**127**		**117**		NR		**143**	
Sample ID			**RI-17 SURFACE**		**RI-18 SURFACE**		-	-	**DUPE-1**	
Lab Sample Number			**480-159417-3**		**480-159630-1**		-	-	**480-159250-5**	
Sampling Date			**09/17/2019 08:32:00**		**09/23/2019 08:35:00**		-	-	**09/16/2019 00:00:00**	
Matrix			**Solid**		**Solid**		-	-	**Solid**	
Dilution Factor							-	-		
Units							-	-		
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-	**Low**	
Wet Chemistry										
Cr (VI) - mg/Kg	110	1	ND	U	ND	U	-	-	ND	U
Cyanide, Total - mg/Kg	27	27	ND	U H	ND	U	-	-	ND	U H

Note:
Lab results for RI-3 Surface are reported as "RI-3 S 0-2'" and "RI-3 S (
Lab results for RI-5 Surface are reported as "RI-5 S 0-2'" and "RI-5 S (

TABLE 4
Subsurface Sample Data

Poestenkill Place - Brownfield Cleanup Project
City of Troy, NY - 244-246 First Street
NYSDEC Site No. C442058, B&L 2248.001

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-1 SS HFM**		**RI-1 SS 20-22'**		**RI-2 SS HFM**	
Lab Sample Number			**480-159499-1**		**480-159499-2**		**480-159499-3**	
Sampling Date			**09/18/2019 08:50:00**		**09/18/2019 09:15:00**		**09/18/2019 10:51:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Volatiles - 8260C								
1,1,1-Trichloroethane	100000	680	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	100000	1100	ND	U	ND	U	ND	U
1,2,4,5-tetramethylbenzene			ND	U	ND	U	ND	U
1,1,2-Trichloroethane			ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane			ND	U	ND	U	ND	U
1,1-Dichloroethane			ND	U	ND	U	ND	U
1,1-Dichloroethene	26000	270	ND	U	ND	U	ND	U
1,2,4-Trimethylbenzene			ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	100000	330	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane			ND	U	ND	U	ND	U
1,2-Dichlorobenzene			ND	U	ND	U	ND	U
1,2-Dichloroethane	3100	20	ND	U	ND	U	ND	U
1,2-Dichloropropane			ND	U	ND	U	ND	U
1,3-Dichlorobenzene	49000	2400	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	13000	1800	ND	U	ND	U	ND	U
2-Hexanone	100000	120	ND	U	ND	U	ND	U
2-Butanone (MEK)			ND	U	3.2	J	ND	U
4-Methyl-2-pentanone (MIBK)			ND	U	ND	U	ND	U
Acetone	100000	50	**13**		**19**		8.3	J
Benzene	4800	60	ND	U	ND	U	ND	U
Bromodichloromethane			ND	U	ND	U	ND	U
Bromoform			ND	U	ND	U	ND	U *
Bromomethane			ND	U	ND	U	ND	U
Carbon disulfide			ND	U	ND	U	ND	U
Carbon tetrachloride	2400	760	ND	U	ND	U	ND	U
Chlorobenzene	100000	1100	ND	U	ND	U	ND	U
Dibromochloromethane			ND	U	ND	U	ND	U
Chloroethane			ND	U	ND	U	ND	U
Chloroform	49000	370	ND	U	ND	U	ND	U
Chloromethane			ND	U	ND	U	ND	U
cis-1,2-Dichloroethene	100000	250	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene			ND	U	ND	U	ND	U
Cyclohexane			ND	U	ND	U	ND	U
Dichlorodifluoromethane			ND	U	ND	U	ND	U
1,2-Dibromoethane	41000	1000	ND	U	ND	U	ND	U
Ethylbenzene			ND	U	ND	U	ND	U
Isopropylbenzene			ND	U	ND	U	ND	U
Methyl acetate			ND	U	ND	U	ND	U
Methyl tert-butyl ether	100000	930	ND	U	ND	U	ND	U
Methylcyclohexane			ND	U	ND	U	ND	U
Methylene Chloride	100000	50	ND	U	ND	U	ND	U
Styrene			ND	U	ND	U	ND	U
sec-Butylbenzene			ND	U	ND	U	ND	U
tert-Butylbenzene			ND	U	ND	U	ND	U
Tetrachloroethene	19000	1300	ND	U	ND	U	ND	U
Toluene	100000	700	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	100000	190	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene			ND	U	ND	U	ND	U
Trichloroethene	21000	470	ND	U	ND	U	ND	U
Trichlorofluoromethane			ND	U	ND	U	ND	U
Vinyl chloride	900	20	ND	U	ND	U	ND	U
Xylenes, Total	100000	260	ND	U	ND	U	ND	U
Total Conc			13		22.2		8.3	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-2 SS 20-26'**		**RI-3 SS HFM**		-	-
Lab Sample Number			**480-159499-4**		**480-159415-1**		-	-
Sampling Date			**09/18/2019 11:34:00**		**09/17/2019 09:40:00**		-	-
Matrix			**Solid**		**Solid**		-	-
Dilution Factor			**1**		**1**		-	-
Units			**ug/Kg**		**ug/Kg**		-	-
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-
Volatiles - 8260C							-	-
1,1,1-Trichloroethane	100000	680	ND	U	ND	U	-	-
1,1,2,2-Tetrachloroethane	100000	1100	ND	U	ND	U	-	-
1,2,4,5-tetramethylbenzene			ND	U	ND	U	-	-
1,1,2-Trichloroethane			ND	U	ND	U	-	-
1,1,2-Trichloro-1,2,2-trifluoroethane			ND	U	ND	U	-	-
1,1-Dichloroethane			ND	U	ND	U	-	-
1,1-Dichloroethene	26000	270	ND	U	ND	U	-	-
1,2,4-Trimethylbenzene			ND	U	ND	U	-	-
1,2,4-Trichlorobenzene	100000	330	ND	U	ND	U	-	-
1,2-Dibromo-3-Chloropropane			ND	U	ND	U	-	-
1,2-Dichlorobenzene			ND	U	ND	U	-	-
1,2-Dichloroethane	3100	20	ND	U	ND	U	-	-
1,2-Dichloropropane			ND	U	ND	U	-	-
1,3-Dichlorobenzene	49000	2400	ND	U	ND	U	-	-
1,4-Dichlorobenzene	13000	1800	ND	U	ND	U	-	-
2-Hexanone	100000	120	ND	U	ND	U	-	-
2-Butanone (MEK)			ND	U	ND	U *	-	-
4-Methyl-2-pentanone (MIBK)			ND	U	ND	U	-	-
Acetone	100000	50	**16**		**17**		-	-
Benzene	4800	60	ND	U	0.24	J	-	-
Bromodichloromethane			ND	U	ND	U	-	-
Bromoform			ND	U	ND	U *	-	-
Bromomethane			ND	U	ND	U	-	-
Carbon disulfide			ND	U	ND	U	-	-
Carbon tetrachloride	2400	760	ND	U	ND	U	-	-
Chlorobenzene	100000	1100	ND	U	ND	U	-	-
Dibromochloromethane			ND	U	ND	U *	-	-
Chloroethane			ND	U	ND	U	-	-
Chloroform	49000	370	ND	U	ND	U	-	-
Chloromethane			ND	U	ND	U	-	-
cis-1,2-Dichloroethene	100000	250	ND	U	ND	U	-	-
cis-1,3-Dichloropropene			ND	U	ND	U	-	-
Cyclohexane			ND	U	ND	U	-	-
Dichlorodifluoromethane			ND	U	ND	U	-	-
1,2-Dibromoethane	41000	1000	ND	U	ND	U	-	-
Ethylbenzene			ND	U	ND	U	-	-
Isopropylbenzene			ND	U	ND	U	-	-
Methyl acetate			ND	U	ND	U	-	-
Methyl tert-butyl ether	100000	930	ND	U	ND	U	-	-
Methylcyclohexane			ND	U	ND	U	-	-
Methylene Chloride	100000	50	ND	U	1.1	J	-	-
Styrene			ND	U	ND	U	-	-
sec-Butylbenzene			ND	U	ND	U	-	-
tert-Butylbenzene			ND	U	ND	U	-	-
Tetrachloroethene	19000	1300	ND	U	ND	U	-	-
Toluene	100000	700	ND	U	0.22	J	-	-
trans-1,2-Dichloroethene	100000	190	ND	U	ND	U	-	-
trans-1,3-Dichloropropene			ND	U	ND	U	-	-
Trichloroethene	21000	470	ND	U	ND	U	-	-
Trichlorofluoromethane			ND	U	ND	U	-	-
Vinyl chloride	900	20	ND	U	ND	U	-	-
Xylenes, Total	100000	260	ND	U	ND	U	-	-
Total Conc			16		18.56		-	-

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-3 SS 18-20'**		**RI-4 SS HFM**		**RI-4 SS 20-22'**	
Lab Sample Number			**480-159415-2**		**480-159499-5**		**480-159499-6**	
Sampling Date			**09/17/2019 10:14:00**		**09/18/2019 00:00:00**		**09/18/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**2**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Medium**		**Low**		**Low**	
Volatiles - 8260C								
1,1,1-Trichloroethane	100000	680	ND	U	ND	U F2	ND	U
1,1,2,2-Tetrachloroethane	100000	1100	ND	U	ND	U F1 F2	ND	U
1,2,4,5-tetramethylbenzene			ND	U	ND	U	ND	U
1,1,2-Trichloroethane			ND	U	ND	U F2	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane			ND	U	ND	U F2	ND	U
1,1-Dichloroethane			ND	U	ND	U F2	ND	U
1,1-Dichloroethene	26000	270	ND	U	ND	U F2	ND	U
1,2,4-Trimethylbenzene			ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	100000	330	ND	U	ND	U F1 F2	ND	U
1,2-Dibromo-3-Chloropropane			ND	U	ND	U F2	ND	U
1,2-Dichlorobenzene			ND	U	ND	U F1 F2	ND	U
1,2-Dichloroethane	3100	20	ND	U	ND	U F2	ND	U
1,2-Dichloropropane			ND	U	ND	U F2	ND	U
1,3-Dichlorobenzene	49000	2400	ND	U	ND	U F1 F2	ND	U
1,4-Dichlorobenzene	13000	1800	ND	U	ND	U F1 F2	ND	U
2-Hexanone	100000	120	ND	U	ND	U F2	ND	U
2-Butanone (MEK)			ND	U	ND	U F2	ND	U
4-Methyl-2-pentanone (MIBK)			ND	U	ND	U F2	ND	U
Acetone	100000	50	ND	U	ND	U F2	5.2	J
Benzene	4800	60	ND	U	0.13	J F2	ND	U
Bromodichloromethane			ND	U	ND	U F2	ND	U
Bromoform			ND	U	ND	U F2 *	ND	U
Bromomethane			ND	U	ND	U F2	ND	U
Carbon disulfide			ND	U	ND	U F2	ND	U
Carbon tetrachloride	2400	760	ND	U	ND	U F2	ND	U
Chlorobenzene	100000	1100	ND	U	ND	U F1 F2	ND	U
Dibromochloromethane			ND	U	ND	U F2	ND	U
Chloroethane			ND	U	ND	U F2	ND	U
Chloroform	49000	370	ND	U	ND	U F2	ND	U
Chloromethane			ND	U	ND	U F2	ND	U
cis-1,2-Dichloroethene	100000	250	ND	U	ND	U F2	ND	U
cis-1,3-Dichloropropene			ND	U	ND	U F2	ND	U
Cyclohexane			**1000**		ND	U F2	ND	U
Dichlorodifluoromethane			ND	U	ND	U F2	ND	U
1,2-Dibromoethane	41000	1000	ND	U	ND	U F1 F2	ND	U
Ethylbenzene			44	J	ND	U F2	ND	U
Isopropylbenzene			**240**		ND	U F2	ND	U
Methyl acetate			ND	U	ND	U F2	ND	U
Methyl tert-butyl ether	100000	930	ND	U	ND	U F2	ND	U
Methylcyclohexane			**410**		ND	U F2	ND	U
Methylene Chloride	100000	50	ND	U	ND	U F2	ND	U
Styrene			ND	U	ND	U F1 F2	ND	U
sec-Butylbenzene			ND	U	ND	U	ND	U
tert-Butylbenzene			ND	U	ND	U	ND	U
Tetrachloroethene	19000	1300	ND	U	ND	U F2	ND	U
Toluene	100000	700	ND	U	ND	U F2	ND	U
trans-1,2-Dichloroethene	100000	190	ND	U	ND	U F2	ND	U
trans-1,3-Dichloropropene			ND	U	ND	U F2	ND	U
Trichloroethene	21000	470	ND	U	ND	U F2	ND	U
Trichlorofluoromethane			ND	U	ND	U F2	ND	U
Vinyl chloride	900	20	ND	U	ND	U F2	ND	U
Xylenes, Total	100000	260	200		ND	U F2	ND	U
Total Conc			1894		0.13		5.2	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-5 SS 20-22'**		**RI-6 SS HEM**		**RI-6 SS 14-16'**	
Lab Sample Number			**480-159246-1**		**480-159633-5**		**480-159633-6**	
Sampling Date			**09/16/2019 12:00:00**		**09/23/2019 14:42:00**		**09/23/2019 15:02:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Volatiles - 8260C								
1,1,1-Trichloroethane	100000	680	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	100000	1100	ND	U	ND	U	ND	U
1,2,4,5-tetramethylbenzene			ND	U	ND	U	ND	U
1,1,2-Trichloroethane			ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane			ND	U	ND	U	ND	U
1,1-Dichloroethane			ND	U	ND	U	ND	U
1,1-Dichloroethene	26000	270	ND	U	ND	U	ND	U
1,2,4-Trimethylbenzene			ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	100000	330	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane			ND	U	ND	U	ND	U
1,2-Dichlorobenzene			ND	U	ND	U	ND	U
1,2-Dichloroethane	3100	20	ND	U	ND	U	ND	U
1,2-Dichloropropane			ND	U	ND	U	ND	U
1,3-Dichlorobenzene	49000	2400	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	13000	1800	ND	U	ND	U	ND	U
2-Hexanone	100000	120	ND	U	ND	U *	ND	U *
2-Butanone (MEK)			ND	U	ND	U	ND	U
4-Methyl-2-pentanone (MIBK)			ND	U	ND	U	ND	U
Acetone	100000	50	**18**		ND	U	4.2	J
Benzene	4800	60	ND	U	ND	U	ND	U
Bromodichloromethane			ND	U	ND	U	ND	U
Bromoform			ND	U	ND	U	ND	U
Bromomethane			ND	U	ND	U	ND	U
Carbon disulfide			ND	U	ND	U	ND	U
Carbon tetrachloride	2400	760	ND	U	ND	U	ND	U
Chlorobenzene	100000	1100	ND	U	ND	U	ND	U
Dibromochloromethane			ND	U	ND	U	ND	U
Chloroethane			ND	U	ND	U	ND	U
Chloroform	49000	370	ND	U	ND	U	ND	U
Chloromethane			ND	U	ND	U	ND	U
cis-1,2-Dichloroethene	100000	250	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene			ND	U	ND	U	ND	U
Cyclohexane			ND	U	ND	U	ND	U
Dichlorodifluoromethane			ND	U	ND	U	ND	U
1,2-Dibromoethane	41000	1000	ND	U	ND	U	ND	U
Ethylbenzene			ND	U	ND	U	ND	U
Isopropylbenzene			ND	U	ND	U	ND	U
Methyl acetate			ND	U	ND	U	ND	U
Methyl tert-butyl ether	100000	930	ND	U	ND	U	ND	U
Methylcyclohexane			ND	U	ND	U	ND	U
Methylene Chloride	100000	50	1.6	J	ND	U	ND	U
Styrene			ND	U	ND	U	ND	U
sec-Butylbenzene			ND	U	ND	U	ND	U
tert-Butylbenzene			ND	U	ND	U	ND	U
Tetrachloroethene	19000	1300	ND	U	ND	U	ND	U
Toluene	100000	700	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	100000	190	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene			ND	U	ND	U	ND	U
Trichloroethene	21000	470	ND	U	ND	U	ND	U
Trichlorofluoromethane			ND	U	ND	U	ND	U
Vinyl chloride	900	20	ND	U	ND	U	ND	U
Xylenes, Total	100000	260	ND	U	ND	U	ND	U
Total Conc			19.6				4.2	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-11 SS 16-18'**		**RI-12 SS 16-18'**		**RI-13 SS 14-18'**	
Lab Sample Number			**480-159633-4**		**480-159723-1**		**480-159531-1**	
Sampling Date			**09/23/2019 11:26:00**		**09/24/2019 10:14:00**		**09/19/2019 08:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Volatiles - 8260C								
1,1,1-Trichloroethane	100000	680	ND	U	ND	U *	ND	U
1,1,2,2-Tetrachloroethane	100000	1100	ND	U	ND	U	ND	U
1,2,4,5-tetramethylbenzene			ND	U	ND	U	ND	U
1,1,2-Trichloroethane			ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane			ND	U	ND	U	ND	U
1,1-Dichloroethane			ND	U	ND	U	ND	U
1,1-Dichloroethene	26000	270	ND	U	ND	U	ND	U
1,2,4-Trimethylbenzene			ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	100000	330	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane			ND	U	ND	U	ND	U
1,2-Dichlorobenzene			ND	U	ND	U	ND	U
1,2-Dichloroethane	3100	20	ND	U	ND	U	ND	U
1,2-Dichloropropane			ND	U	ND	U	ND	U
1,3-Dichlorobenzene	49000	2400	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	13000	1800	ND	U	ND	U	ND	U
2-Hexanone	100000	120	ND	U *	ND	U	ND	U
2-Butanone (MEK)			ND	U	ND	U	ND	U *
4-Methyl-2-pentanone (MIBK)			ND	U	ND	U	ND	U
Acetone	100000	50	4.8	J	5.6	J	ND	U
Benzene	4800	60	ND	U	ND	U	ND	U
Bromodichloromethane			ND	U	ND	U	ND	U
Bromoform			ND	U	ND	U	ND	U
Bromomethane			ND	U	ND	U	ND	U
Carbon disulfide			ND	U	ND	U	ND	U
Carbon tetrachloride	2400	760	ND	U	ND	U *	ND	U
Chlorobenzene	100000	1100	ND	U	ND	U	ND	U
Dibromochloromethane			ND	U	ND	U	ND	U
Chloroethane			ND	U	ND	U	ND	U
Chloroform	49000	370	ND	U	ND	U	ND	U
Chloromethane			ND	U	ND	U	ND	U
cis-1,2-Dichloroethene	100000	250	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene			ND	U	ND	U	ND	U
Cyclohexane			ND	U	ND	U	ND	U
Dichlorodifluoromethane			ND	U	ND	U	ND	U
1,2-Dibromoethane	41000	1000	ND	U	ND	U	ND	U
Ethylbenzene			ND	U	ND	U	ND	U
Isopropylbenzene			ND	U	ND	U	ND	U
Methyl acetate			ND	U	ND	U	ND	U
Methyl tert-butyl ether	100000	930	ND	U	ND	U	ND	U
Methylcyclohexane			ND	U	ND	U	ND	U
Methylene Chloride	100000	50	ND	U	ND	U	1.4	J
Styrene			ND	U	ND	U	ND	U
sec-Butylbenzene			ND	U	ND	U	ND	U
tert-Butylbenzene			ND	U	ND	U	ND	U
Tetrachloroethene	19000	1300	ND	U	ND	U	ND	U
Toluene	100000	700	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	100000	190	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene			ND	U	ND	U	ND	U
Trichloroethene	21000	470	ND	U	ND	U	ND	U
Trichlorofluoromethane			ND	U	ND	U	ND	U
Vinyl chloride	900	20	ND	U	ND	U *	ND	U
Xylenes, Total	100000	260	ND	U	ND	U	ND	U
Total Conc			4.8		5.6		1.4	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-14 SS 14-18'**		**RI-15 SS 18-20'**		**RI-16 SS 22-24'**	
Lab Sample Number			**480-159574-2**		**480-159574-1**		**480-159415-4**	
Sampling Date			**09/20/2019 09:48:00**		**09/20/2019 08:10:00**		**09/17/2019 13:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Volatiles - 8260C								
1,1,1-Trichloroethane	100000	680	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	100000	1100	ND	U F1	ND	U	ND	U
1,2,4,5-tetramethylbenzene			ND	U	ND	U	ND	U
1,1,2-Trichloroethane			ND	U F1	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane			ND	U F1	ND	U	ND	U
1,1-Dichloroethane			ND	U	ND	U	ND	U
1,1-Dichloroethene	26000	270	ND	U	ND	U	ND	U
1,2,4-Trimethylbenzene			ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	100000	330	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane			ND	U F1 F2	ND	U	ND	U
1,2-Dichlorobenzene			ND	U F1	ND	U	ND	U
1,2-Dichloroethane	3100	20	ND	U	ND	U	ND	U
1,2-Dichloropropane			ND	U	ND	U	ND	U
1,3-Dichlorobenzene	49000	2400	ND	U F1	ND	U	ND	U
1,4-Dichlorobenzene	13000	1800	ND	U F1	ND	U	ND	U
2-Hexanone	100000	120	ND	U F1	ND	U *	ND	U
2-Butanone (MEK)			ND	U	ND	U	ND	U *
4-Methyl-2-pentanone (MIBK)			ND	U	ND	U	ND	U
Acetone	100000	50	10		6.0	J	**28**	
Benzene	4800	60	ND	U	ND	U	ND	U
Bromodichloromethane			ND	U	ND	U	ND	U
Bromoform			ND	U F1	ND	U	ND	U *
Bromomethane			ND	U	ND	U	ND	U
Carbon disulfide			ND	U	ND	U	ND	U
Carbon tetrachloride	2400	760	ND	U	ND	U	ND	U
Chlorobenzene	100000	1100	ND	U F1	ND	U	ND	U
Dibromochloromethane			ND	U F1	ND	U	ND	U *
Chloroethane			ND	U	ND	U	ND	U
Chloroform	49000	370	ND	U	ND	U	ND	U
Chloromethane			ND	U	ND	U	ND	U
cis-1,2-Dichloroethene	100000	250	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene			ND	U F1	ND	U	ND	U
Cyclohexane			ND	U *	ND	U	ND	U
Dichlorodifluoromethane			ND	U	ND	U	ND	U
1,2-Dibromoethane	41000	1000	ND	U F1	ND	U	ND	U
Ethylbenzene			ND	U F1	ND	U	0.46	J
Isopropylbenzene			ND	U	ND	U	**1.9**	
Methyl acetate			ND	U	ND	U	ND	U
Methyl tert-butyl ether	100000	930	ND	U	ND	U	ND	U
Methylcyclohexane			ND	U	ND	U	ND	U
Methylene Chloride	100000	50	ND	U	ND	U	ND	U
Styrene			ND	U F1	ND	U	ND	U
sec-Butylbenzene			ND	U	ND	U	ND	U
tert-Butylbenzene			ND	U	ND	U	ND	U
Tetrachloroethene	19000	1300	ND	U	ND	U	ND	U
Toluene	100000	700	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	100000	190	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene			ND	U F1	ND	U	ND	U
Trichloroethene	21000	470	ND	U	ND	U	ND	U
Trichlorofluoromethane			ND	U	ND	U	ND	U
Vinyl chloride	900	20	ND	U	ND	U	ND	U
Xylenes, Total	100000	260	ND	U	ND	U	1.7	J
Total Conc			10		6		32.06	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS								
Sample ID			**RI-17 SS 18-20'**		**DUPE-3**		**DUPE-4**	
Lab Sample Number			**480-159415-5**		**480-159415-3**		**480-159499-7**	
Sampling Date			**09/17/2019 15:40:00**		**09/17/2019 00:00:00**		**09/18/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**4**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Medium**		**Low**	
Volatiles - 8260C								
1,1,1-Trichloroethane	100000	680	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	100000	1100	ND	U	ND	U	ND	U
1,2,4,5-tetramethylbenzene			ND	U	ND	U	ND	U
1,1,2-Trichloroethane			ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane			ND	U	ND	U	ND	U
1,1-Dichloroethane			ND	U	ND	U	ND	U
1,1-Dichloroethene	26000	270	ND	U	ND	U	ND	U
1,2,4-Trimethylbenzene			ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	100000	330	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane			ND	U	ND	U	ND	U
1,2-Dichlorobenzene			ND	U	ND	U	ND	U
1,2-Dichloroethane	3100	20	ND	U	ND	U	ND	U
1,2-Dichloropropane			ND	U	ND	U	ND	U
1,3-Dichlorobenzene	49000	2400	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	13000	1800	ND	U	ND	U	ND	U
2-Hexanone	100000	120	ND	U	ND	U	ND	U
2-Butanone (MEK)			5.2	J *	ND	U	ND	U
4-Methyl-2-pentanone (MIBK)			ND	U	ND	U	ND	U
Acetone	100000	50	24		ND	U	5.5	J
Benzene	4800	60	ND	U	40	J	ND	U
Bromodichloromethane			ND	U	ND	U	ND	U
Bromoform			ND	U *	ND	U	ND	U *
Bromomethane			ND	U	ND	U	ND	U
Carbon disulfide			ND	U	ND	U	ND	U
Carbon tetrachloride	2400	760	ND	U	ND	U	ND	U
Chlorobenzene	100000	1100	ND	U	ND	U	ND	U
Dibromochloromethane			ND	U *	ND	U	ND	U
Chloroethane			ND	U	ND	U	ND	U
Chloroform	49000	370	ND	U	ND	U	ND	U
Chloromethane			ND	U	ND	U	ND	U
cis-1,2-Dichloroethene	100000	250	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene			ND	U	ND	U	ND	U
Cyclohexane			ND	U	**2600**		ND	U
Dichlorodifluoromethane			ND	U	ND	U	ND	U
1,2-Dibromoethane	41000	1000	ND	U	ND	U	ND	U
Ethylbenzene			ND	U	120	J	ND	U
Isopropylbenzene			ND	U	**680**		ND	U
Methyl acetate			ND	U	ND	U	ND	U
Methyl tert-butyl ether	100000	930	ND	U	ND	U	ND	U
Methylcyclohexane			ND	U	**880**		ND	U
Methylene Chloride	100000	50	ND	U	ND	U	ND	U
Styrene			ND	U	ND	U	ND	U
sec-Butylbenzene			ND	U	ND	U	ND	U
tert-Butylbenzene			ND	U	ND	U	ND	U
Tetrachloroethene	19000	1300	ND	U	ND	U	ND	U
Toluene	100000	700	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	100000	190	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene			ND	U	ND	U	ND	U
Trichloroethene	21000	470	ND	U	ND	U	ND	U
Trichlorofluoromethane			ND	U	ND	U	ND	U
Vinyl chloride	900	20	ND	U	ND	U	ND	U
Xylenes, Total	100000	260	ND	U	**590**		ND	U
Total Conc			29.2		4910		5.5	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**SRI-4 FILL MATERIAL**		**SRI-4 NATIVE MATERIAL**		**SRI-5 FILL MATERIAL**	
Lab Sample Number			**70134921001**		**70134921002**		**70134921003**	
Sampling Date			**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Volatiles - 8260C								
1,1,1-Trichloroethane	100000	680	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	100000	1100	ND	U	ND	U	ND	U
1,2,4,5-tetramethylbenzene			ND	U	ND	U	ND	U
1,1,2-Trichloroethane			ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane			ND	U	ND	U	ND	U
1,1-Dichloroethane			ND	U	ND	U	ND	U
1,1-Dichloroethene	26000	270	ND	U	ND	U	ND	U
1,2,4-Trimethylbenzene			ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	100000	330	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane			ND	U	ND	U	ND	U
1,2-Dichlorobenzene			ND	U	ND	U	ND	U
1,2-Dichloroethane	3100	20	ND	U	ND	U	ND	U
1,2-Dichloropropane			ND	U	ND	U	ND	U
1,3-Dichlorobenzene	49000	2400	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	13000	1800	ND	U	ND	U	ND	U
2-Hexanone	100000	120	ND	U	ND	U	ND	U
2-Butanone (MEK)			ND	U	ND	U	ND	U
4-Methyl-2-pentanone (MIBK)			ND	U	ND	U	ND	U
Acetone	100000	50	ND	U	ND	U	ND	U
Benzene	4800	60	ND	U	ND	U	ND	U
Bromodichloromethane			ND	U	ND	U	ND	U
Bromoform			ND	U	ND	U	ND	U
Bromomethane			ND	U	ND	U	ND	U
Carbon disulfide			ND	U	ND	U	ND	U
Carbon tetrachloride	2400	760	ND	U	ND	U	ND	U
Chlorobenzene	100000	1100	ND	U	ND	U	ND	U
Dibromochloromethane			ND	U	ND	U	ND	U
Chloroethane			ND	U	ND	U	ND	U
Chloroform	49000	370	ND	U	ND	U	ND	U
Chloromethane			ND	U	ND	U	ND	U
cis-1,2-Dichloroethene	100000	250	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene			ND	U	ND	U	ND	U
Cyclohexane			ND	U	ND	U	ND	U
Dichlorodifluoromethane			ND	U	ND	U	ND	U
1,2-Dibromoethane	41000	1000	ND	U	ND	U	ND	U
Ethylbenzene			ND	U	4.9		ND	U
Isopropylbenzene			ND	U	3.8		ND	U
Methyl acetate			ND	U	ND	U	ND	U
Methyl tert-butyl ether	100000	930	ND	U	ND	U	ND	U
Methylcyclohexane			ND	U	ND	U	ND	U
Methylene Chloride	100000	50	ND	U	ND	U	ND	U
Styrene			ND	U	ND	U	ND	U
sec-Butylbenzene			ND	U	ND	U	ND	U
tert-Butylbenzene			ND	U	ND	U	ND	U
Tetrachloroethene	19000	1300	ND	U	ND	U	ND	U
Toluene	100000	700	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	100000	190	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene			ND	U	ND	U	ND	U
Trichloroethene	21000	470	ND	U	ND	U	ND	U
Trichlorofluoromethane			ND	U	ND	U	ND	U
Vinyl chloride	900	20	ND	U	ND	U	ND	U
Xylenes, Total	100000	260	ND	U	30.5		ND	U
Total Conc								

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**SRI-5 NATIVE MATERIAL**		**SRI-3 FILL MATERIAL**		**SRI-3 NATIVE MATERIAL**	
Lab Sample Number			**70134921004**		**70134921005**		**70134921006**	
Sampling Date			**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Volatiles - 8260C								
1,1,1-Trichloroethane	100000	680	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	100000	1100	ND	U	ND	U	ND	U
1,2,4,5-tetramethylbenzene			ND	U	ND	U	ND	U
1,1,2-Trichloroethane			ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane			ND	U	ND	U	ND	U
1,1-Dichloroethane			ND	U	ND	U	ND	U
1,1-Dichloroethene	26000	270	ND	U	ND	U	ND	U
1,2,4-Trimethylbenzene			ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	100000	330	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane			ND	U	ND	U	ND	U
1,2-Dichlorobenzene			ND	U	ND	U	ND	U
1,2-Dichloroethane	3100	20	ND	U	ND	U	ND	U
1,2-Dichloropropane			ND	U	ND	U	ND	U
1,3-Dichlorobenzene	49000	2400	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	13000	1800	ND	U	ND	U	ND	U
2-Hexanone	100000	120	ND	U	ND	U	ND	U
2-Butanone (MEK)			ND	U	ND	U	ND	U
4-Methyl-2-pentanone (MIBK)			ND	U	ND	U	ND	U
Acetone	100000	50	ND	U	ND	U	115	
Benzene	4800	60	ND	U	ND	U	ND	U
Bromodichloromethane			ND	U	ND	U	ND	U
Bromoform			ND	U	ND	U	ND	U
Bromomethane			ND	U	ND	U	ND	U
Carbon disulfide			ND	U	ND	U	ND	U
Carbon tetrachloride	2400	760	ND	U	ND	U	ND	U
Chlorobenzene	100000	1100	ND	U	ND	U	ND	U
Dibromochloromethane			ND	U	ND	U	ND	U
Chloroethane			ND	U	ND	U	ND	U
Chloroform	49000	370	ND	U	ND	U	ND	U
Chloromethane			ND	U	ND	U	ND	U
cis-1,2-Dichloroethene	100000	250	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene			ND	U	ND	U	ND	U
Cyclohexane			ND	U	ND	U	ND	U
Dichlorodifluoromethane			ND	U	ND	U	ND	U
1,2-Dibromoethane	41000	1000	ND	U	ND	U	ND	U
Ethylbenzene			ND	U	ND	U	ND	U
Isopropylbenzene			ND	U	ND	U	ND	U
Methyl acetate			ND	U	ND	U	ND	U
Methyl tert-butyl ether	100000	930	ND	U	ND	U	ND	U
Methylcyclohexane			ND	U	ND	U	ND	U
Methylene Chloride	100000	50	ND	U	ND	U	ND	U
Styrene			ND	U	ND	U	ND	U
sec-Butylbenzene			ND	U	ND	U	ND	U
tert-Butylbenzene			ND	U	ND	U	ND	U
Tetrachloroethene	19000	1300	ND	U	ND	U	ND	U
Toluene	100000	700	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	100000	190	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene			ND	U	ND	U	ND	U
Trichloroethene	21000	470	ND	U	ND	U	ND	U
Trichlorofluoromethane			ND	U	ND	U	ND	U
Vinyl chloride	900	20	ND	U	ND	U	ND	U
Xylenes, Total	100000	260	ND	U	ND	U	ND	U
Total Conc								

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**SRI-2 0-3'**		**SRI-2 3-6'**		**SRI-2 6-9'**		**SRI-2 9-12'**	
Lab Sample Number			**70134921008**		**70134921009**		**70134921010**		**70134921011**	
Sampling Date			**43998**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**4**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**		**Low**	
Volatiles - 8260C			-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	100000	680	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	100000	1100	-	-	-	-	-	-	-	-
1,2,4,5-tetramethylbenzene			-	-	-	-	-	-	-	-
1,1,2-Trichloroethane			-	-	-	-	-	-	-	-
1,1,2-Trichloro-1,2,2-trifluoroethane			-	-	-	-	-	-	-	-
1,1-Dichloroethane			-	-	-	-	-	-	-	-
1,1-Dichloroethene	26000	270	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene			-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	100000	330	-	-	-	-	-	-	-	-
1,2-Dibromo-3-Chloropropane			-	-	-	-	-	-	-	-
1,2-Dichlorobenzene			-	-	-	-	-	-	-	-
1,2-Dichloroethane	3100	20	-	-	-	-	-	-	-	-
1,2-Dichloropropane			-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	49000	2400	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	13000	1800	-	-	-	-	-	-	-	-
2-Hexanone	100000	120	-	-	-	-	-	-	-	-
2-Butanone (MEK)			-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)			-	-	-	-	-	-	-	-
Acetone	100000	50	-	-	-	-	-	-	-	-
Benzene	4800	60	-	-	-	-	-	-	-	-
Bromodichloromethane			-	-	-	-	-	-	-	-
Bromoform			-	-	-	-	-	-	-	-
Bromomethane			-	-	-	-	-	-	-	-
Carbon disulfide			-	-	-	-	-	-	-	-
Carbon tetrachloride	2400	760	-	-	-	-	-	-	-	-
Chlorobenzene	100000	1100	-	-	-	-	-	-	-	-
Dibromochloromethane			-	-	-	-	-	-	-	-
Chloroethane			-	-	-	-	-	-	-	-
Chloroform	49000	370	-	-	-	-	-	-	-	-
Chloromethane			-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	100000	250	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene			-	-	-	-	-	-	-	-
Cyclohexane			-	-	-	-	-	-	-	-
Dichlorodifluoromethane			-	-	-	-	-	-	-	-
1,2-Dibromoethane	41000	1000	-	-	-	-	-	-	-	-
Ethylbenzene			-	-	-	-	-	-	-	-
Isopropylbenzene			-	-	-	-	-	-	-	-
Methyl acetate			-	-	-	-	-	-	-	-
Methyl tert-butyl ether	100000	930	-	-	-	-	-	-	-	-
Methylcyclohexane			-	-	-	-	-	-	-	-
Methylene Chloride	100000	50	-	-	-	-	-	-	-	-
Styrene			-	-	-	-	-	-	-	-
sec-Butylbenzene			-	-	-	-	-	-	-	-
tert-Butylbenzene			-	-	-	-	-	-	-	-
Tetrachloroethene	19000	1300	-	-	-	-	-	-	-	-
Toluene	100000	700	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	100000	190	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene			-	-	-	-	-	-	-	-
Trichloroethene	21000	470	-	-	-	-	-	-	-	-
Trichlorofluoromethane			-	-	-	-	-	-	-	-
Vinyl chloride	900	20	-	-	-	-	-	-	-	-
Xylenes, Total	100000	260	-	-	-	-	-	-	-	-
Total Conc										

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS												
Sample ID			**SRI-2 12-15'**		**SRI-2 COMP**		**SRI-1 0-3'**		**SRI-1 3-6'**		**SRI-1 6-9'**
Lab Sample Number			**70134921012**		**70134921013**		**70134921014**		**70134921015**		**70134921016**
Sampling Date			**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**
Dilution Factor			**1**		**1**		**1**		**1**		**1**
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**		**Low**		**Low**
Volatiles - 8260C			-	-	ND	U	-	-	-	-	-
1,1,1-Trichloroethane	100000	680	-	-	ND	U	-	-	-	-	-
1,1,2,2-Tetrachloroethane	100000	1100	-	-	ND	U	-	-	-	-	-
1,2,4,5-tetramethylbenzene			-	-	ND	U	-	-	-	-	-
1,1,2-Trichloroethane			-	-	ND	U	-	-	-	-	-
1,1,2-Trichloro-1,2,2-trifluoroethane			-	-	ND	U	-	-	-	-	-
1,1-Dichloroethane			-	-	ND	U	-	-	-	-	-
1,1-Dichloroethene	26000	270	-	-	ND	U	-	-	-	-	-
1,2,4-Trimethylbenzene			-	-	ND	U	-	-	-	-	-
1,2,4-Trichlorobenzene	100000	330	-	-	ND	U	-	-	-	-	-
1,2-Dibromo-3-Chloropropane			-	-	ND	U	-	-	-	-	-
1,2-Dichlorobenzene			-	-	ND	U	-	-	-	-	-
1,2-Dichloroethane	3100	20	-	-	ND	U	-	-	-	-	-
1,2-Dichloropropane			-	-	ND	U	-	-	-	-	-
1,3-Dichlorobenzene	49000	2400	-	-	ND	U	-	-	-	-	-
1,4-Dichlorobenzene	13000	1800	-	-	ND	U	-	-	-	-	-
2-Hexanone	100000	120	-	-	ND	U	-	-	-	-	-
2-Butanone (MEK)			-	-	ND	U	-	-	-	-	-
4-Methyl-2-pentanone (MIBK)			-	-	ND	U	-	-	-	-	-
Acetone	100000	50	-	-	ND	U	-	-	-	-	-
Benzene	4800	60	-	-	ND	U	-	-	-	-	-
Bromodichloromethane			-	-	ND	U	-	-	-	-	-
Bromoform			-	-	ND	U	-	-	-	-	-
Bromomethane			-	-	ND	U	-	-	-	-	-
Carbon disulfide			-	-	ND	U	-	-	-	-	-
Carbon tetrachloride	2400	760	-	-	ND	U	-	-	-	-	-
Chlorobenzene	100000	1100	-	-	ND	U	-	-	-	-	-
Dibromochloromethane			-	-	ND	U	-	-	-	-	-
Chloroethane			-	-	ND	U	-	-	-	-	-
Chloroform	49000	370	-	-	ND	U	-	-	-	-	-
Chloromethane			-	-	ND	U	-	-	-	-	-
cis-1,2-Dichloroethene	100000	250	-	-	ND	U	-	-	-	-	-
cis-1,3-Dichloropropene			-	-	ND	U	-	-	-	-	-
Cyclohexane			-	-	ND	U	-	-	-	-	-
Dichlorodifluoromethane			-	-	ND	U	-	-	-	-	-
1,2-Dibromoethane	41000	1000	-	-	ND	U	-	-	-	-	-
Ethylbenzene			-	-	ND	U	-	-	-	-	-
Isopropylbenzene			-	-	ND	U	-	-	-	-	-
Methyl acetate			-	-	ND	U	-	-	-	-	-
Methyl tert-butyl ether	100000	930	-	-	ND	U	-	-	-	-	-
Methylcyclohexane			-	-	ND	U	-	-	-	-	-
Methylene Chloride	100000	50	-	-	ND	U	-	-	-	-	-
Styrene			-	-	ND	U	-	-	-	-	-
sec-Butylbenzene			-	-	ND	U	-	-	-	-	-
tert-Butylbenzene			-	-	ND	U	-	-	-	-	-
Tetrachloroethene	19000	1300	-	-	ND	U	-	-	-	-	-
Toluene	100000	700	-	-	ND	U	-	-	-	-	-
trans-1,2-Dichloroethene	100000	190	-	-	ND	U	-	-	-	-	-
trans-1,3-Dichloropropene			-	-	ND	U	-	-	-	-	-
Trichloroethene	21000	470	-	-	ND	U	-	-	-	-	-
Trichlorofluoromethane			-	-	ND	U	-	-	-	-	-
Vinyl chloride	900	20	-	-	ND	U	-	-	-	-	-
Xylenes, Total	100000	260	-	-	ND	U	-	-	-	-	-
Total Conc											

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID				**SRI-1 9-12'**		**SRI-1 12-15'**		**SRI-1 COMP**		**DUPE X**	
Lab Sample Number				**70134921017**		**70134921018**		**70134921019**		**70134921007**	
Sampling Date				**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix				**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor				**1**		**1**		**1**		**1**	
Units				**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**		**Low**		**Low**		**Low**		**Low**	
Volatiles - 8260C			-	-	-	-	-	ND	U	ND	U
1,1,1-Trichloroethane	100000	680	-	-	-	-	-	ND	U	ND	U
1,1,2,2-Tetrachloroethane	100000	1100	-	-	-	-	-	ND	U	ND	U
1,2,4,5-tetramethylbenzene			-	-	-	-	-	ND	U	ND	U
1,1,2-Trichloroethane			-	-	-	-	-	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane			-	-	-	-	-	ND	U	ND	U
1,1-Dichloroethane			-	-	-	-	-	ND	U	ND	U
1,1-Dichloroethene	26000	270	-	-	-	-	-	ND	U	ND	U
1,2,4-Trimethylbenzene			-	-	-	-	-	ND	U	ND	U
1,2,4-Trichlorobenzene	100000	330	-	-	-	-	-	ND	U	ND	U
1,2-Dibromo-3-Chloropropane			-	-	-	-	-	ND	U	ND	U
1,2-Dichlorobenzene			-	-	-	-	-	ND	U	ND	U
1,2-Dichloroethane	3100	20	-	-	-	-	-	ND	U	ND	U
1,2-Dichloropropane			-	-	-	-	-	ND	U	ND	U
1,3-Dichlorobenzene	49000	2400	-	-	-	-	-	ND	U	ND	U
1,4-Dichlorobenzene	13000	1800	-	-	-	-	-	ND	U	ND	U
2-Hexanone	100000	120	-	-	-	-	-	ND	U	ND	U
2-Butanone (MEK)			-	-	-	-	-	ND	U	ND	U
4-Methyl-2-pentanone (MIBK)			-	-	-	-	-	ND	U	ND	U
Acetone	100000	50	-	-	-	-	-	1.4		ND	U
Benzene	4800	60	-	-	-	-	-	ND	U	ND	U
Bromodichloromethane			-	-	-	-	-	ND	U	ND	U
Bromoform			-	-	-	-	-	ND	U	ND	U
Bromomethane			-	-	-	-	-	ND	U	ND	U
Carbon disulfide			-	-	-	-	-	ND	U	ND	U
Carbon tetrachloride	2400	760	-	-	-	-	-	ND	U	ND	U
Chlorobenzene	100000	1100	-	-	-	-	-	ND	U	ND	U
Dibromochloromethane			-	-	-	-	-	ND	U	ND	U
Chloroethane			-	-	-	-	-	ND	U	ND	U
Chloroform	49000	370	-	-	-	-	-	ND	U	ND	U
Chloromethane			-	-	-	-	-	ND	U	ND	U
cis-1,2-Dichloroethene	100000	250	-	-	-	-	-	ND	U	ND	U
cis-1,3-Dichloropropene			-	-	-	-	-	ND	U	ND	U
Cyclohexane			-	-	-	-	-	ND	U	ND	U
Dichlorodifluoromethane			-	-	-	-	-	ND	U	ND	U
1,2-Dibromoethane	41000	1000	-	-	-	-	-	ND	U	ND	U
Ethylbenzene			-	-	-	-	-	ND	U	ND	U
Isopropylbenzene			-	-	-	-	-	ND	U	ND	U
Methyl acetate			-	-	-	-	-	ND	U	ND	U
Methyl tert-butyl ether	100000	930	-	-	-	-	-	ND	U	ND	U
Methylcyclohexane			-	-	-	-	-	ND	U	ND	U
Methylene Chloride	100000	50	-	-	-	-	-	ND	U	ND	U
Styrene			-	-	-	-	-	ND	U	ND	U
sec-Butylbenzene			-	-	-	-	-	ND	U	ND	U
tert-Butylbenzene			-	-	-	-	-	ND	U	ND	U
Tetrachloroethene	19000	1300	-	-	-	-	-	ND	U	ND	U
Toluene	100000	700	-	-	-	-	-	ND	U	ND	U
trans-1,2-Dichloroethene	100000	190	-	-	-	-	-	ND	U	ND	U
trans-1,3-Dichloropropene			-	-	-	-	-	ND	U	ND	U
Trichloroethene	21000	470	-	-	-	-	-	ND	U	ND	U
Trichlorofluoromethane			-	-	-	-	-	ND	U	ND	U
Vinyl chloride	900	20	-	-	-	-	-	ND	U	ND	U
Xylenes, Total	100000	260	-	-	-	-	-	ND	U	ND	U
Total Conc											

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-1 SS HFM**		**RI-1 SS 20-22'**		**RI-2 SS HFM**	
Lab Sample Number			**480-159499-1**		**480-159499-2**		**480-159499-3**	
Sampling Date			**09/18/2019 08:50:00**		**09/18/2019 09:15:00**		**09/18/2019 10:51:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**5**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Semivolatiles - 8270D								
Biphenyl			ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether			ND	U	ND	U	ND	U
2,4,5-Trichlorophenol			ND	U	ND	U	ND	U
2,4,6-Trichlorophenol			ND	U	ND	U	ND	U
2,4-Dichlorophenol			ND	U	ND	U	ND	U
2,4-Dimethylphenol			ND	U	ND	U	ND	U
2,4-Dinitrophenol			ND	U	ND	U	ND	U
2,4-Dinitrotoluene			ND	U	ND	U	ND	U
2,6-Dinitrotoluene			ND	U	ND	U	ND	U
2-Chloronaphthalene			ND	U	ND	U	ND	U
2-Chlorophenol			ND	U	ND	U	ND	U
2-Methylnaphthalene			ND	U	ND	U	ND	U
2-Methylphenol	100000	330	ND	U	ND	U	ND	U
2-Nitroaniline			ND	U	ND	U	ND	U
2-Nitrophenol			ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine			ND	U	ND	U	ND	U
3-Nitroaniline			ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol			ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether			ND	U	ND	U	ND	U
4-Chloro-3-methylphenol			ND	U	ND	U	ND	U
4-Chloroaniline			ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether			ND	U	ND	U	ND	U
4-Methylphenol	100000	330	ND	U	ND	U	ND	U
4-Nitroaniline			ND	U	ND	U	ND	U
4-Nitrophenol			ND	U	ND	U	ND	U
Acenaphthene	100000	20000	ND	U	ND	U	ND	U
Acenaphthylene	100000	100000	ND	U	ND	U	ND	U
Acetophenone			ND	U	ND	U	ND	U
Anthracene	100000	100000	ND	U	ND	U	390	J
Atrazine			ND	U	ND	U	ND	U
Benzaldehyde			ND	U	ND	U	ND	U
Benzo[a]anthracene	1000	1000	21	J	ND	U	**1700**	
Benzo[a]pyrene	1000	1000	ND	U	ND	U	**1800**	
Benzo[b]fluoranthene	1000	1000	ND	U	ND	U	**2100**	
Benzo[g,h,i]perylene	100000	100000	ND	U	ND	U	**1300**	
Benzo[k]fluoranthene	3900	800	ND	U	ND	U	**1200**	
Bis(2-chloroethoxy)methane			ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether			ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate			ND	U	ND	U	ND	U
Butyl benzyl phthalate			ND	U	ND	U	ND	U
Caprolactam			ND	U	ND	U	ND	U
Carbazole			ND	U	ND	U	220	J
Chrysene	3900	1000	ND	U	ND	U	**2000**	
Di-n-butyl phthalate			ND	U	ND	U	ND	U
Di-n-octyl phthalate			ND	U	ND	U	ND	U
Dibenz(a,h)anthracene	330	330	ND	U	ND	U	ND	U
Dibenzofuran	59000	7000	ND	U	ND	U	ND	U
Diethyl phthalate			ND	U	ND	U	ND	U
Dimethyl phthalate			ND	U	ND	U	ND	U
Fluoranthene	100000	100000	39	J	ND	U	**3700**	
Fluorene	100000	30000	ND	U	ND	U	ND	U
Hexachlorobenzene	1200	330	ND	U	ND	U	ND	U
Hexachlorobutadiene			ND	U	ND	U	ND	U
Hexachlorocyclopentadiene			ND	U	ND	U	ND	U
Hexachloroethane			ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	500	500	ND	U	ND	U	**1200**	
Isophorone			ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine			ND	U	ND	U	ND	U
N-Nitrosodiphenylamine			ND	U	ND	U	ND	U
Naphthalene	100000	12000	ND	U	ND	U	ND	U
Nitrobenzene			ND	U	ND	U	ND	U
Pentachlorophenol	6700	800	ND	U	ND	U	ND	U
Phenanthrene	100000	100000	33	J	ND	U	**2400**	
Phenol	100000	330	ND	U	ND	U	ND	U
Pyrene	100000	100000	38	J	ND	U	**3400**	
1,4-Dioxane	13000	100	ND	U	ND	U	ND	U
Total Conc			131				21410	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-2 SS 20-26'**		**RI-3 SS HFM**		-	-
Lab Sample Number			**480-159499-4**		**480-159415-1**		-	-
Sampling Date			**09/18/2019 11:34:00**		**09/17/2019 09:40:00**		-	-
Matrix			**Solid**		**Solid**		-	-
Dilution Factor			**1**		**5**		-	-
Units			**ug/Kg**		**ug/Kg**		-	-
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-
Semivolatiles - 8270D							-	-
Biphenyl			ND	U	ND	U	-	-
bis (2-chloroisopropyl) ether			ND	U	ND	U	-	-
2,4,5-Trichlorophenol			ND	U	ND	U	-	-
2,4,6-Trichlorophenol			ND	U	ND	U	-	-
2,4-Dichlorophenol			ND	U	ND	U	-	-
2,4-Dimethylphenol			ND	U	ND	U	-	-
2,4-Dinitrophenol			ND	U	ND	U	-	-
2,4-Dinitrotoluene			ND	U	ND	U	-	-
2,6-Dinitrotoluene			ND	U	ND	U	-	-
2-Chloronaphthalene			ND	U	ND	U	-	-
2-Chlorophenol			ND	U	ND	U	-	-
2-Methylnaphthalene			ND	U	ND	U	-	-
2-Methylphenol	100000	330	ND	U	ND	U	-	-
2-Nitroaniline			ND	U	ND	U	-	-
2-Nitrophenol			ND	U	ND	U	-	-
3,3'-Dichlorobenzidine			ND	U	ND	U	-	-
3-Nitroaniline			ND	U	ND	U	-	-
4,6-Dinitro-2-methylphenol			ND	U	ND	U	-	-
4-Bromophenyl phenyl ether			ND	U	ND	U	-	-
4-Chloro-3-methylphenol			ND	U	ND	U	-	-
4-Chloroaniline			ND	U	ND	U	-	-
4-Chlorophenyl phenyl ether			ND	U	ND	U	-	-
4-Methylphenol	100000	330	ND	U	ND	U	-	-
4-Nitroaniline			ND	U	ND	U	-	-
4-Nitrophenol			ND	U	ND	U	-	-
Acenaphthene	100000	20000	ND	U	ND	U	-	-
Acenaphthylene	100000	100000	ND	U	ND	U	-	-
Acetophenone			ND	U	ND	U	-	-
Anthracene	100000	100000	ND	U	ND	U	-	-
Atrazine			ND	U	ND	U	-	-
Benzaldehyde			ND	U	ND	U	-	-
Benzo[a]anthracene	1000	1000	ND	U	ND	U	-	-
Benzo[a]pyrene	1000	1000	ND	U	ND	U	-	-
Benzo[b]fluoranthene	1000	1000	ND	U	ND	U	-	-
Benzo[g,h,i]perylene	100000	100000	ND	U	ND	U	-	-
Benzo[k]fluoranthene	3900	800	ND	U	ND	U	-	-
Bis(2-chloroethoxy)methane			ND	U	ND	U	-	-
Bis(2-chloroethyl)ether			ND	U	ND	U	-	-
Bis(2-ethylhexyl) phthalate			ND	U	ND	U	-	-
Butyl benzyl phthalate			ND	U	ND	U	-	-
Caprolactam			ND	U	ND	U	-	-
Carbazole			ND	U	ND	U	-	-
Chrysene	3900	1000	ND	U	ND	U	-	-
Di-n-butyl phthalate			ND	U	ND	U	-	-
Di-n-octyl phthalate			ND	U	ND	U	-	-
Dibenz(a,h)anthracene	330	330	ND	U	ND	U	-	-
Dibenzofuran	59000	7000	ND	U	ND	U	-	-
Diethyl phthalate			ND	U	ND	U	-	-
Dimethyl phthalate			ND	U	ND	U	-	-
Fluoranthene	100000	100000	ND	U	140	J	-	-
Fluorene	100000	30000	ND	U	ND	U	-	-
Hexachlorobenzene	1200	330	ND	U	ND	U	-	-
Hexachlorobutadiene			ND	U	ND	U	-	-
Hexachlorocyclopentadiene			ND	U	ND	U	-	-
Hexachloroethane			ND	U	ND	U	-	-
Indeno[1,2,3-cd]pyrene	500	500	ND	U	ND	U	-	-
Isophorone			ND	U	ND	U	-	-
N-Nitrosodi-n-propylamine			ND	U	ND	U	-	-
N-Nitrosodiphenylamine			ND	U	ND	U	-	-
Naphthalene	100000	12000	ND	U	ND	U	-	-
Nitrobenzene			ND	U	ND	U	-	-
Pentachlorophenol	6700	800	ND	U	ND	U	-	-
Phenanthrene	100000	100000	ND	U	ND	U	-	-
Phenol	100000	330	ND	U	ND	U	-	-
Pyrene	100000	100000	ND	U	130	J	-	-
1,4-Dioxane	13000	100	ND	U	ND	U	-	-
Total Conc					270		-	-

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-3 SS 18-20'**		**RI-4 SS HFM**		**RI-4 SS 20-22'**	
Lab Sample Number			**480-159415-2**		**480-159499-5**		**480-159499-6**	
Sampling Date			**09/17/2019 10:14:00**		**09/18/2019 00:00:00**		**09/18/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**5**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Semivolatiles - 8270D								
Biphenyl			ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether			ND	U	ND	U	ND	U
2,4,5-Trichlorophenol			ND	U	ND	U	ND	U
2,4,6-Trichlorophenol			ND	U	ND	U	ND	U
2,4-Dichlorophenol			ND	U	ND	U	ND	U
2,4-Dimethylphenol			ND	U	ND	U	ND	U
2,4-Dinitrophenol			ND	U	ND	U	ND	U
2,4-Dinitrotoluene			ND	U	ND	U	ND	U
2,6-Dinitrotoluene			ND	U	ND	U	ND	U
2-Chloronaphthalene			ND	U	ND	U	ND	U
2-Chlorophenol			ND	U	ND	U	ND	U
2-Methylnaphthalene			94	J	ND	U	ND	U
2-Methylphenol	100000	330	ND	U	ND	U	ND	U
2-Nitroaniline			ND	U	ND	U	ND	U
2-Nitrophenol			ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine			ND	U	ND	U	ND	U
3-Nitroaniline			ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol			ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether			ND	U	ND	U	ND	U
4-Chloro-3-methylphenol			ND	U	ND	U	ND	U
4-Chloroaniline			ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether			ND	U	ND	U	ND	U
4-Methylphenol	100000	330	ND	U	ND	U	ND	U
4-Nitroaniline			ND	U	ND	U	ND	U
4-Nitrophenol			ND	U	ND	U	ND	U
Acenaphthene	100000	20000	ND	U	ND	U	ND	U
Acenaphthylene	100000	100000	ND	U	ND	U	ND	U
Acetophenone			ND	U	ND	U	ND	U
Anthracene	100000	100000	62	J	ND	U	ND	U
Atrazine			ND	U	ND	U	ND	U
Benzaldehyde			ND	U	ND	U	ND	U
Benzo[a]anthracene	1000	1000	**320**		ND	U	ND	U
Benzo[a]pyrene	1000	1000	**280**		ND	U	ND	U
Benzo[b]fluoranthene	1000	1000	**320**		ND	U	41	J
Benzo[g,h,i]perylene	100000	100000	150	J	120	J	32	J
Benzo[k]fluoranthene	3900	800	180	J	ND	U	ND	U
Bis(2-chloroethoxy)methane			ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether			ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate			ND	U	ND	U	ND	U
Butyl benzyl phthalate			ND	U	ND	U	ND	U
Caprolactam			ND	U	ND	U	ND	U
Carbazole			ND	U	ND	U	ND	U
Chrysene	3900	1000	**310**		ND	U	ND	U
Di-n-butyl phthalate			ND	U	ND	U	ND	U
Di-n-octyl phthalate			ND	U	ND	U	ND	U
Dibenz(a,h)anthracene	330	330	65	J	ND	U	ND	U
Dibenzofuran	59000	7000	ND	U	ND	U	ND	U
Diethyl phthalate			ND	U	ND	U	ND	U
Dimethyl phthalate			ND	U	ND	U	ND	U
Fluoranthene	100000	100000	**490**		230	J	61	J
Fluorene	100000	30000	ND	U	ND	U	ND	U
Hexachlorobenzene	1200	330	ND	U	ND	U	ND	U
Hexachlorobutadiene			ND	U	ND	U	ND	U
Hexachlorocyclopentadiene			ND	U	ND	U	ND	U
Hexachloroethane			ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	500	500	140	J	120	J	31	J
Isophorone			ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine			ND	U	ND	U	ND	U
N-Nitrosodiphenylamine			ND	U	ND	U	ND	U
Naphthalene	100000	12000	ND	U	ND	U	ND	U
Nitrobenzene			ND	U	ND	U	ND	U
Pentachlorophenol	6700	800	ND	U	ND	U	ND	U
Phenanthrene	100000	100000	190	J	160	J	38	J
Phenol	100000	330	ND	U	ND	U	ND	U
Pyrene	100000	100000	**440**		190	J	58	J
1,4-Dioxane	13000	100	ND	U	ND	U	ND	U
Total Conc			3041		820		261	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-5 SS 20-22'**		**RI-6 SS HEM**		**RI-6 SS 14-16'**	
Lab Sample Number			**480-159246-1**		**480-159633-5**		**480-159633-6**	
Sampling Date			**09/16/2019 12:00:00**		**09/23/2019 14:42:00**		**09/23/2019 15:02:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**5**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Semivolatiles - 8270D								
Biphenyl			ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether			ND	U	ND	U	ND	U
2,4,5-Trichlorophenol			ND	U	ND	U	ND	U
2,4,6-Trichlorophenol			ND	U	ND	U	ND	U
2,4-Dichlorophenol			ND	U	ND	U	ND	U
2,4-Dimethylphenol			ND	U	ND	U	ND	U
2,4-Dinitrophenol			ND	U	ND	U	ND	U
2,4-Dinitrotoluene			ND	U	ND	U	ND	U
2,6-Dinitrotoluene			ND	U	ND	U	ND	U
2-Chloronaphthalene			ND	U	ND	U	ND	U
2-Chlorophenol			ND	U	ND	U	ND	U
2-Methylnaphthalene			ND	U	ND	U	ND	U
2-Methylphenol	100000	330	ND	U	ND	U	ND	U
2-Nitroaniline			ND	U	ND	U	ND	U
2-Nitrophenol			ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine			ND	U	ND	U	ND	U
3-Nitroaniline			ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol			ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether			ND	U	ND	U	ND	U
4-Chloro-3-methylphenol			ND	U	ND	U	ND	U
4-Chloroaniline			ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether			ND	U	ND	U	ND	U
4-Methylphenol	100000	330	ND	U	ND	U	ND	U
4-Nitroaniline			ND	U	ND	U	ND	U
4-Nitrophenol			ND	U	ND	U	ND	U
Acenaphthene	100000	20000	ND	U	ND	U	ND	U
Acenaphthylene	100000	100000	ND	U	150	J	ND	U
Acetophenone			ND	U	ND	U	ND	U
Anthracene	100000	100000	ND	U	430	J	ND	U
Atrazine			ND	U	ND	U	ND	U
Benzaldehyde			ND	U	ND	U	ND	U
Benzo[a]anthracene	1000	1000	43	J	**1400**		47	J
Benzo[a]pyrene	1000	1000	33	J	**1200**		37	J
Benzo[b]fluoranthene	1000	1000	45	J	**1700**		47	J
Benzo[g,h,i]perylene	100000	100000	25	J	780	J	23	J
Benzo[k]fluoranthene	3900	800	ND	U	760	J	ND	U
Bis(2-chloroethoxy)methane			ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether			ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate			ND	U	ND	U	ND	U
Butyl benzyl phthalate			ND	U	ND	U	ND	U
Caprolactam			ND	U	ND	U	ND	U
Carbazole			ND	U	200	J	ND	U
Chrysene	3900	1000	ND	U	**1400**		ND	U
Di-n-butyl phthalate			ND	U	ND	U	ND	U
Di-n-octyl phthalate			ND	U	ND	U	ND	U
Dibenz(a,h)anthracene	330	330	ND	U	ND	U	ND	U
Dibenzofuran	59000	7000	ND	U	170	J	ND	U
Diethyl phthalate			ND	U	ND	U	ND	U
Dimethyl phthalate			ND	U	ND	U	ND	U
Fluoranthene	100000	100000	94	J	**3400**		120	J
Fluorene	100000	30000	ND	U	220	J	ND	U
Hexachlorobenzene	1200	330	ND	U	ND	U	ND	U
Hexachlorobutadiene			ND	U	ND	U	ND	U
Hexachlorocyclopentadiene			ND	U	ND	U	ND	U
Hexachloroethane			ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	500	500	ND	U	700	J	ND	U
Isophorone			ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine			ND	U	ND	U	ND	U
N-Nitrosodiphenylamine			ND	U	ND	U	ND	U
Naphthalene	100000	12000	ND	U	230	J	ND	U
Nitrobenzene			ND	U	ND	U	ND	U
Pentachlorophenol	6700	800	ND	U	ND	U	ND	U
Phenanthrene	100000	100000	33	J	**2200**		160	J
Phenol	100000	330	ND	U	ND	U	ND	U
Pyrene	100000	100000	73	J	**3100**		110	J
1,4-Dioxane	13000	100	ND	U	NR		NR	
Total Conc			346		18040		544	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-11 SS 16-18'**		**RI-12 SS 16-18'**		**RI-13 SS 14-18'**	
Lab Sample Number			**480-159633-4**		**480-159723-1**		**480-159531-1**	
Sampling Date			**09/23/2019 11:26:00**		**09/24/2019 10:14:00**		**09/19/2019 08:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Semivolatiles - 8270D								
Biphenyl			ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether			ND	U	ND	U	ND	U
2,4,5-Trichlorophenol			ND	U	ND	U	ND	U
2,4,6-Trichlorophenol			ND	U	ND	U	ND	U
2,4-Dichlorophenol			ND	U	ND	U	ND	U
2,4-Dimethylphenol			ND	U	ND	U	ND	U
2,4-Dinitrophenol			ND	U	ND	U	ND	U
2,4-Dinitrotoluene			ND	U	ND	U	ND	U
2,6-Dinitrotoluene			ND	U	ND	U	ND	U
2-Chloronaphthalene			ND	U	ND	U	ND	U
2-Chlorophenol			ND	U	ND	U	ND	U
2-Methylnaphthalene			ND	U	ND	U	ND	U
2-Methylphenol	100000	330	ND	U	ND	U	ND	U
2-Nitroaniline			ND	U	ND	U	ND	U
2-Nitrophenol			ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine			ND	U	ND	U	ND	U
3-Nitroaniline			ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol			ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether			ND	U	ND	U	ND	U
4-Chloro-3-methylphenol			ND	U	ND	U	ND	U
4-Chloroaniline			ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether			ND	U	ND	U	ND	U
4-Methylphenol	100000	330	ND	U	ND	U	ND	U
4-Nitroaniline			ND	U	ND	U	ND	U
4-Nitrophenol			ND	U	ND	U	ND	U
Acenaphthene	100000	20000	ND	U	ND	U	ND	U
Acenaphthylene	100000	100000	ND	U	ND	U	ND	U
Acetophenone			ND	U	ND	U	ND	U
Anthracene	100000	100000	ND	U	ND	U	ND	U
Atrazine			ND	U	ND	U	ND	U
Benzaldehyde			ND	U	ND	U	ND	U
Benzo[a]anthracene	1000	1000	ND	U	28	J	ND	U
Benzo[a]pyrene	1000	1000	ND	U	ND	U	ND	U
Benzo[b]fluoranthene	1000	1000	ND	U	ND	U	ND	U
Benzo[g,h,i]perylene	100000	100000	ND	U	26	J	ND	U
Benzo[k]fluoranthene	3900	800	ND	U	ND	U	ND	U
Bis(2-chloroethoxy)methane			ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether			ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate			ND	U	ND	U	ND	U
Butyl benzyl phthalate			ND	U	ND	U	ND	U
Caprolactam			ND	U	ND	U	ND	U
Carbazole			ND	U	ND	U	ND	U
Chrysene	3900	1000	ND	U	ND	U	ND	U
Di-n-butyl phthalate			ND	U	ND	U	ND	U
Di-n-octyl phthalate			ND	U	ND	U	ND	U
Dibenz(a,h)anthracene	330	330	ND	U	ND	U	ND	U
Dibenzofuran	59000	7000	ND	U	ND	U	ND	U
Diethyl phthalate			ND	U	ND	U	ND	U
Dimethyl phthalate			ND	U	ND	U	ND	U
Fluoranthene	100000	100000	25	J	50	J	ND	U
Fluorene	100000	30000	ND	U	ND	U	ND	U
Hexachlorobenzene	1200	330	ND	U	ND	U	ND	U
Hexachlorobutadiene			ND	U	ND	U	ND	U
Hexachlorocyclopentadiene			ND	U	ND	U	ND	U
Hexachloroethane			ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	500	500	ND	U	ND	U	ND	U
Isophorone			ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine			ND	U	ND	U	ND	U
N-Nitrosodiphenylamine			ND	U	ND	U	ND	U
Naphthalene	100000	12000	ND	U	ND	U	ND	U
Nitrobenzene			ND	U	ND	U	ND	U
Pentachlorophenol	6700	800	ND	U	ND	U	ND	U
Phenanthrene	100000	100000	ND	U	62	J	ND	U
Phenol	100000	330	ND	U	ND	U	ND	U
Pyrene	100000	100000	ND	U	51	J	ND	U
1,4-Dioxane	13000	100	NR		ND	U	ND	U
Total Conc			25		217			

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-14 SS 14-18'**		**RI-15 SS 18-20'**		**RI-16 SS 22-24'**	
Lab Sample Number			**480-159574-2**		**480-159574-1**		**480-159415-4**	
Sampling Date			**09/20/2019 09:48:00**		**09/20/2019 08:10:00**		**09/17/2019 13:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**5**		**5**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Semivolatiles - 8270D								
Biphenyl			ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether			ND	U	ND	U	ND	U
2,4,5-Trichlorophenol			ND	U	ND	U	ND	U
2,4,6-Trichlorophenol			ND	U	ND	U	ND	U
2,4-Dichlorophenol			ND	U	ND	U	ND	U
2,4-Dimethylphenol			ND	U	ND	U	ND	U
2,4-Dinitrophenol			ND	U	ND	U	ND	U
2,4-Dinitrotoluene			ND	U	ND	U	ND	U
2,6-Dinitrotoluene			ND	U	ND	U	ND	U
2-Chloronaphthalene			ND	U	ND	U	ND	U
2-Chlorophenol			ND	U	ND	U	ND	U
2-Methylnaphthalene			ND	U	ND	U	62	J
2-Methylphenol	100000	330	ND	U	ND	U	ND	U
2-Nitroaniline			ND	U	ND	U	ND	U
2-Nitrophenol			ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine			ND	U	ND	U	ND	U
3-Nitroaniline			ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol			ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether			ND	U	ND	U	ND	U
4-Chloro-3-methylphenol			ND	U	ND	U	ND	U
4-Chloroaniline			ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether			ND	U	ND	U	ND	U
4-Methylphenol	100000	330	ND	U	ND	U	ND	U
4-Nitroaniline			ND	U	ND	U	ND	U
4-Nitrophenol			ND	U	ND	U	ND	U
Acenaphthene	100000	20000	130	J	ND	U	170	J
Acenaphthylene	100000	100000	140	J	ND	U	26	J
Acetophenone			ND	U	ND	U	67	J
Anthracene	100000	100000	450	J	ND	U	300	
Atrazine			ND	U	ND	U	ND	U
Benzaldehyde			ND	U	ND	U	ND	U
Benzo[a]anthracene	1000	1000	**1000**	F2	ND	U	**390**	
Benzo[a]pyrene	1000	1000	**1000**	F2	ND	U	**290**	
Benzo[b]fluoranthene	1000	1000	**1300**		ND	U	**320**	
Benzo[g,h,i]perylene	100000	100000	680	J	92	J	150	J
Benzo[k]fluoranthene	3900	800	490	J	ND	U	180	J
Bis(2-chloroethoxy)methane			ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether			ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate			ND	U	ND	U	ND	U
Butyl benzyl phthalate			ND	U	ND	U	ND	U
Caprolactam			ND	U	ND	U	ND	U
Carbazole			190	J	ND	U	90	J
Chrysene	3900	1000	**1100**	F2	ND	U	**370**	
Di-n-butyl phthalate			ND	U	ND	U	ND	U
Di-n-octyl phthalate			ND	U	ND	U	ND	U
Dibenz(a,h)anthracene	330	330	ND	U	ND	U	ND	U
Dibenzofuran	59000	7000	120	J	ND	U	85	J
Diethyl phthalate			ND	U	ND	U	ND	U
Dimethyl phthalate			ND	U	ND	U	ND	U
Fluoranthene	100000	100000	**2700**	F1 F2	120	J	**890**	
Fluorene	100000	30000	160	J	ND	U	180	J
Hexachlorobenzene	1200	330	ND	U	ND	U	ND	U
Hexachlorobutadiene			ND	U	ND	U	ND	U
Hexachlorocyclopentadiene			ND	U	ND	U	ND	U
Hexachloroethane			ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	500	500	520	J	ND	U	140	J
Isophorone			ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine			ND	U	ND	U	ND	U
N-Nitrosodiphenylamine			ND	U	ND	U	ND	U
Naphthalene	100000	12000	ND	U	ND	U	140	J
Nitrobenzene			ND	U	ND	U	ND	U
Pentachlorophenol	6700	800	ND	U	ND	U	ND	U
Phenanthrene	100000	100000	**2200**	F1 F2	ND	U	**980**	
Phenol	100000	330	ND	U	ND	U	ND	U
Pyrene	100000	100000	**2600**	F1	130	J	**740**	
1,4-Dioxane	13000	100	NR		NR		ND	U
Total Conc			14780		342		5570	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-17 SS 18-20'**		**DUPE-3**		**DUPE-4**	
Lab Sample Number			**480-159415-5**		**480-159415-3**		**480-159499-7**	
Sampling Date			**09/17/2019 15:40:00**		**09/17/2019 00:00:00**		**09/18/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**5**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Semivolatiles - 8270D								
Biphenyl			ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether			ND	U	ND	U	ND	U
2,4,5-Trichlorophenol			ND	U	ND	U	ND	U
2,4,6-Trichlorophenol			ND	U	ND	U	ND	U
2,4-Dichlorophenol			ND	U	ND	U	ND	U
2,4-Dimethylphenol			ND	U	ND	U	ND	U
2,4-Dinitrophenol			ND	U	ND	U	ND	U
2,4-Dinitrotoluene			ND	U	ND	U	ND	U
2,6-Dinitrotoluene			ND	U	ND	U	ND	U
2-Chloronaphthalene			ND	U	ND	U	ND	U
2-Chlorophenol			ND	U	ND	U	ND	U
2-Methylnaphthalene			ND	U	92	J	ND	U
2-Methylphenol	100000	330	ND	U	ND	U	ND	U
2-Nitroaniline			ND	U	ND	U	ND	U
2-Nitrophenol			ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine			ND	U	ND	U	ND	U
3-Nitroaniline			ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol			ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether			ND	U	ND	U	ND	U
4-Chloro-3-methylphenol			ND	U	ND	U	ND	U
4-Chloroaniline			ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether			ND	U	ND	U	ND	U
4-Methylphenol	100000	330	ND	U	ND	U	ND	U
4-Nitroaniline			ND	U	ND	U	ND	U
4-Nitrophenol			ND	U	ND	U	ND	U
Acenaphthene	100000	20000	ND	U	ND	U	350	J
Acenaphthylene	100000	100000	ND	U	ND	U	ND	U
Acetophenone			ND	U	ND	U	ND	U
Anthracene	100000	100000	ND	U	ND	U	**1300**	
Atrazine			ND	U	ND	U	ND	U
Benzaldehyde			ND	U	ND	U	ND	U
Benzo[a]anthracene	1000	1000	ND	U	76	J	**5000**	
Benzo[a]pyrene	1000	1000	ND	U	61	J	**4500**	
Benzo[b]fluoranthene	1000	1000	ND	U	81	J	**5900**	
Benzo[g,h,i]perylene	100000	100000	ND	U	38	J	**2600**	
Benzo[k]fluoranthene	3900	800	ND	U	ND	U	**2300**	
Bis(2-chloroethoxy)methane			ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether			ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate			ND	U	ND	U	ND	U
Butyl benzyl phthalate			ND	U	ND	U	ND	U
Caprolactam			ND	U	ND	U	ND	U
Carbazole			ND	U	ND	U	380	J
Chrysene	3900	1000	ND	U	71	J	**5000**	
Di-n-butyl phthalate			ND	U	ND	U	ND	U
Di-n-octyl phthalate			ND	U	ND	U	ND	U
Dibenz(a,h)anthracene	330	330	ND	U	ND	U	ND	U
Dibenzofuran	59000	7000	ND	U	ND	U	220	J
Diethyl phthalate			ND	U	ND	U	ND	U
Dimethyl phthalate			ND	U	ND	U	ND	U
Fluoranthene	100000	100000	25	J	160	J	**11000**	
Fluorene	100000	30000	ND	U	ND	U	400	J
Hexachlorobenzene	1200	330	ND	U	ND	U	ND	U
Hexachlorobutadiene			ND	U	ND	U	ND	U
Hexachlorocyclopentadiene			ND	U	ND	U	ND	U
Hexachloroethane			ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	500	500	ND	U	40	J	**2500**	
Isophorone			ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine			ND	U	ND	U	ND	U
N-Nitrosodiphenylamine			ND	U	ND	U	ND	U
Naphthalene	100000	12000	ND	U	ND	U	ND	U
Nitrobenzene			ND	U	ND	U	ND	U
Pentachlorophenol	6700	800	ND	U	ND	U	ND	U
Phenanthrene	100000	100000	ND	U	160	J	**6500**	
Phenol	100000	330	ND	U	ND	U	ND	U
Pyrene	100000	100000	ND	U	130	J	**8800**	
1,4-Dioxane	13000	100	ND	U	ND	U	ND	U
Total Conc			25		909		56750	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**SRI-4 FILL MATERIAL**		**SRI-4 NATIVE MATERIAL**		**SRI-5 FILL MATERIAL**	
Lab Sample Number			**70134921001**		**70134921002**		**70134921003**	
Sampling Date			**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Semivolatiles - 8270D								
Biphenyl			ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether			ND	U	ND	U	ND	U
2,4,5-Trichlorophenol			ND	U	ND	U	ND	U
2,4,6-Trichlorophenol			ND	U	ND	U	ND	U
2,4-Dichlorophenol			ND	U	ND	U	ND	U
2,4-Dimethylphenol			ND	U	ND	U	ND	U
2,4-Dinitrophenol			ND	U	ND	U	ND	U
2,4-Dinitrotoluene			ND	U	ND	U	ND	U
2,6-Dinitrotoluene			ND	U	ND	U	ND	U
2-Chloronaphthalene			ND	U	ND	U	ND	U
2-Chlorophenol			ND	U	ND	U	ND	U
2-Methylnaphthalene			ND	U	ND	U	166	
2-Methylphenol	100000	330	ND	U	ND	U	ND	U
2-Nitroaniline			ND	U	ND	U	ND	U
2-Nitrophenol			ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine			ND	U	ND	U	ND	U
3-Nitroaniline			ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol			ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether			ND	U	ND	U	ND	U
4-Chloro-3-methylphenol			ND	U	ND	U	ND	U
4-Chloroaniline			ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether			ND	U	ND	U	ND	U
4-Methylphenol	100000	330	ND	U	ND	U	ND	U
4-Nitroaniline			ND	U	ND	U	ND	U
4-Nitrophenol			ND	U	ND	U	ND	U
Acenaphthene	100000	20000	ND	U	ND	U	380	
Acenaphthylene	100000	100000	ND	U	ND	U	ND	U
Acetophenone			ND	U	ND	U	ND	U
Anthracene	100000	100000	ND	U	ND	U	887	
Atrazine			ND	U	ND	U	ND	U
Benzaldehyde			ND	U	ND	U	ND	U
Benzo[a]anthracene	1000	1000	ND	U	ND	U	**1390**	
Benzo[a]pyrene	1000	1000	ND	U	ND	U	**966**	
Benzo[b]fluoranthene	1000	1000	ND	U	ND	U	**976**	
Benzo[g,h,i]perylene	100000	100000	ND	U	ND	U	457	
Benzo[k]fluoranthene	3900	800	ND	U	ND	U	477	
Bis(2-chloroethoxy)methane			ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether			ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate			ND	U	ND	U	ND	U
Butyl benzyl phthalate			ND	U	ND	U	ND	U
Caprolactam			ND	U	ND	U	ND	U
Carbazole			ND	U	ND	U	560	
Chrysene	3900	1000	ND	U	ND	U	**1350**	
Di-n-butyl phthalate			ND	U	ND	U	ND	U
Di-n-octyl phthalate			ND	U	ND	U	ND	U
Dibenz(a,h)anthracene	330	330	ND	U	ND	U	134	
Dibenzofuran	59000	7000	ND	U	ND	U	329	
Diethyl phthalate			ND	U	ND	U	ND	U
Dimethyl phthalate			ND	U	ND	U	ND	U
Fluoranthene	100000	100000	413		ND	U	**3230**	
Fluorene	100000	30000	ND	U	ND	U	370	
Hexachlorobenzene	1200	330	ND	U	ND	U	ND	U
Hexachlorobutadiene			ND	U	ND	U	ND	U
Hexachlorocyclopentadiene			ND	U	ND	U	ND	U
Hexachloroethane			ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	500	500	ND	U	ND	U	506	
Isophorone			ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine			ND	U	ND	U	ND	U
N-Nitrosodiphenylamine			ND	U	ND	U	ND	U
Naphthalene	100000	12000	ND	U	ND	U	318	
Nitrobenzene			ND	U	ND	U	ND	U
Pentachlorophenol	6700	800	ND	U	ND	U	ND	U
Phenanthrene	100000	100000	ND	U	ND	U	**4020**	
Phenol	100000	330	ND	U	ND	U	ND	U
Pyrene	100000	100000	411		ND	U	**2880**	
1,4-Dioxane	13000	100	-	-	-	-	-	-
Total Conc			824				19396	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			SRI-5 NATIVE MATERIAL		SRI-3 FILL MATERIAL		SRI-3 NATIVE MATERIAL	
Lab Sample Number			70134921004		70134921005		70134921006	
Sampling Date			6/16/2020		6/16/2020		6/16/2020	
Matrix			Solid		Solid		Solid	
Dilution Factor			1		1		1	
Units			ug/Kg		ug/Kg		ug/Kg	
	Part 375-6.8b Restricted Res	Part 375-6.8a Unrestricted	Low		Low		Low	
Semivolatiles - 8270D								
Biphenyl			ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether			ND	U	ND	U	ND	U
2,4,5-Trichlorophenol			ND	U	ND	U	ND	U
2,4,6-Trichlorophenol			ND	U	ND	U	ND	U
2,4-Dichlorophenol			ND	U	ND	U	ND	U
2,4-Dimethylphenol			ND	U	ND	U	ND	U
2,4-Dinitrophenol			ND	U	ND	U	ND	U
2,4-Dinitrotoluene			ND	U	ND	U	ND	U
2,6-Dinitrotoluene			ND	U	ND	U	ND	U
2-Chloronaphthalene			ND	U	ND	U	ND	U
2-Chlorophenol			ND	U	ND	U	ND	U
2-Methylnaphthalene			ND	U	151		ND	U
2-Methylphenol	100000	330	ND	U	ND	U	ND	U
2-Nitroaniline			ND	U	ND	U	ND	U
2-Nitrophenol			ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine			ND	U	ND	U	ND	U
3-Nitroaniline			ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol			ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether			ND	U	ND	U	ND	U
4-Chloro-3-methylphenol			ND	U	ND	U	ND	U
4-Chloroaniline			ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether			ND	U	ND	U	ND	U
4-Methylphenol	100000	330	ND	U	ND	U	ND	U
4-Nitroaniline			ND	U	ND	U	ND	U
4-Nitrophenol			ND	U	ND	U	ND	U
Acenaphthene	100000	20000	ND	U	153		ND	U
Acenaphthylene	100000	100000	ND	U	78.5		ND	U
Acetophenone			ND	U	ND	U	ND	U
Anthracene	100000	100000	ND	U	370		ND	U
Atrazine			ND	U	ND	U	ND	U
Benzaldehyde			ND	U	ND	U	ND	U
Benzo[a]anthracene	1000	1000	ND	U	**733**		ND	U
Benzo[a]pyrene	1000	1000	ND	U	**538**		ND	U
Benzo[b]fluoranthene	1000	1000	ND	U	**557**		ND	U
Benzo[g,h,i]perylene	100000	100000	ND	U	382		ND	U
Benzo[k]fluoranthene	3900	800	ND	U	357		ND	U
Bis(2-chloroethoxy)methane			ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether			ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate			ND	U	ND	U	ND	U
Butyl benzyl phthalate			ND	U	ND	U	ND	U
Caprolactam			ND	U	ND	U	ND	U
Carbazole			ND	U	195		ND	U
Chrysene	3900	1000	ND	U	745		ND	U
Di-n-butyl phthalate			ND	U	ND	U	ND	U
Di-n-octyl phthalate			ND	U	ND	U	ND	U
Dibenz(a,h)anthracene	330	330	ND	U	211		ND	U
Dibenzofuran	59000	7000	ND	U	111		ND	U
Diethyl phthalate			ND	U	ND	U	ND	U
Dimethyl phthalate			ND	U	ND	U	ND	U
Fluoranthene	100000	100000	ND	U	**1340**		ND	U
Fluorene	100000	30000	ND	U	196		ND	U
Hexachlorobenzene	1200	330	ND	U	ND	U	ND	U
Hexachlorobutadiene			ND	U	ND	U	ND	U
Hexachlorocyclopentadiene			ND	U	ND	U	ND	U
Hexachloroethane			ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	500	500	ND	U	360		ND	U
Isophorone			ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine			ND	U	ND	U	ND	U
N-Nitrosodiphenylamine			ND	U	ND	U	ND	U
Naphthalene	100000	12000	ND	U	130		ND	U
Nitrobenzene			ND	U	ND	U	ND	U
Pentachlorophenol	6700	800	ND	U	ND	U	ND	U
Phenanthrene	100000	100000	ND	U	**1510**		ND	U
Phenol	100000	330	ND	U	ND	U	ND	U
Pyrene	100000	100000	ND	U	**1190**		ND	U
1,4-Dioxane	13000	100	-	-	-	-	-	-
Total Conc								

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**SRI-2 0-3'**		**SRI-2 3-6'**		**SRI-2 6-9'**		**SRI-2 9-12'**	
Lab Sample Number			**70134921008**		**70134921009**		**70134921010**		**70134921011**	
Sampling Date			**43998**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**4**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**		**Low**	
Semivolatiles - 8270D			-	-	-	-	-	-	-	-
Biphenyl			-	-	-	-	-	-	-	-
bis (2-chloroisopropyl) ether			-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol			-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol			-	-	-	-	-	-	-	-
2,4-Dichlorophenol			-	-	-	-	-	-	-	-
2,4-Dimethylphenol			-	-	-	-	-	-	-	-
2,4-Dinitrophenol			-	-	-	-	-	-	-	-
2,4-Dinitrotoluene			-	-	-	-	-	-	-	-
2,6-Dinitrotoluene			-	-	-	-	-	-	-	-
2-Chloronaphthalene			-	-	-	-	-	-	-	-
2-Chlorophenol			-	-	-	-	-	-	-	-
2-Methylnaphthalene			-	-	-	-	-	-	-	-
2-Methylphenol	100000	330	-	-	-	-	-	-	-	-
2-Nitroaniline			-	-	-	-	-	-	-	-
2-Nitrophenol			-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine			-	-	-	-	-	-	-	-
3-Nitroaniline			-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol			-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether			-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol			-	-	-	-	-	-	-	-
4-Chloroaniline			-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether			-	-	-	-	-	-	-	-
4-Methylphenol	100000	330	-	-	-	-	-	-	-	-
4-Nitroaniline			-	-	-	-	-	-	-	-
4-Nitrophenol			-	-	-	-	-	-	-	-
Acenaphthene	100000	20000	-	-	-	-	-	-	-	-
Acenaphthylene	100000	100000	-	-	-	-	-	-	-	-
Acetophenone			-	-	-	-	-	-	-	-
Anthracene	100000	100000	-	-	-	-	-	-	-	-
Atrazine			-	-	-	-	-	-	-	-
Benzaldehyde			-	-	-	-	-	-	-	-
Benzo[a]anthracene	1000	1000	-	-	-	-	-	-	-	-
Benzo[a]pyrene	1000	1000	-	-	-	-	-	-	-	-
Benzo[b]fluoranthene	1000	1000	-	-	-	-	-	-	-	-
Benzo[g,h,i]perylene	100000	100000	-	-	-	-	-	-	-	-
Benzo[k]fluoranthene	3900	800	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane			-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether			-	-	-	-	-	-	-	-
Bis(2-ethylhexyl) phthalate			-	-	-	-	-	-	-	-
Butyl benzyl phthalate			-	-	-	-	-	-	-	-
Caprolactam			-	-	-	-	-	-	-	-
Carbazole			-	-	-	-	-	-	-	-
Chrysene	3900	1000	-	-	-	-	-	-	-	-
Di-n-butyl phthalate			-	-	-	-	-	-	-	-
Di-n-octyl phthalate			-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	330	330	-	-	-	-	-	-	-	-
Dibenzofuran	59000	7000	-	-	-	-	-	-	-	-
Diethyl phthalate			-	-	-	-	-	-	-	-
Dimethyl phthalate			-	-	-	-	-	-	-	-
Fluoranthene	100000	100000	-	-	-	-	-	-	-	-
Fluorene	100000	30000	-	-	-	-	-	-	-	-
Hexachlorobenzene	1200	330	-	-	-	-	-	-	-	-
Hexachlorobutadiene			-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene			-	-	-	-	-	-	-	-
Hexachloroethane			-	-	-	-	-	-	-	-
Indeno[1,2,3-cd]pyrene	500	500	-	-	-	-	-	-	-	-
Isophorone			-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine			-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine			-	-	-	-	-	-	-	-
Naphthalene	100000	12000	-	-	-	-	-	-	-	-
Nitrobenzene			-	-	-	-	-	-	-	-
Pentachlorophenol	6700	800	-	-	-	-	-	-	-	-
Phenanthrene	100000	100000	-	-	-	-	-	-	-	-
Phenol	100000	330	-	-	-	-	-	-	-	-
Pyrene	100000	100000	-	-	-	-	-	-	-	-
1,4-Dioxane	13000	100	-	-	-	-	-	-	-	-
Total Conc										

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS												
Sample ID			**SRI-2 12-15'**		**SRI-2 COMP**		**SRI-1 0-3'**		**SRI-1 3-6'**		**SRI-1 6-9'**
Lab Sample Number			**70134921012**		**70134921013**		**70134921014**		**70134921015**		**70134921016**
Sampling Date			**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**
Dilution Factor			**1**		**1**		**1**		**1**		**1**
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**		**Low**		**Low**
Semivolatiles - 8270D			-	-	ND	U	-	-	-	-	-
Biphenyl			-	-	ND	U	-	-	-	-	-
bis (2-chloroisopropyl) ether			-	-	ND	U	-	-	-	-	-
2,4,5-Trichlorophenol			-	-	ND	U	-	-	-	-	-
2,4,6-Trichlorophenol			-	-	ND	U	-	-	-	-	-
2,4-Dichlorophenol			-	-	ND	U	-	-	-	-	-
2,4-Dimethylphenol			-	-	ND	U	-	-	-	-	-
2,4-Dinitrophenol			-	-	ND	U	-	-	-	-	-
2,4-Dinitrotoluene			-	-	ND	U	-	-	-	-	-
2,6-Dinitrotoluene			-	-	ND	U	-	-	-	-	-
2-Chloronaphthalene			-	-	ND	U	-	-	-	-	-
2-Chlorophenol			-	-	ND	U	-	-	-	-	-
2-Methylnaphthalene			-	-	ND	U	-	-	-	-	-
2-Methylphenol	100000	330	-	-	ND	U	-	-	-	-	-
2-Nitroaniline			-	-	ND	U	-	-	-	-	-
2-Nitrophenol			-	-	ND	U	-	-	-	-	-
3,3'-Dichlorobenzidine			-	-	ND	U	-	-	-	-	-
3-Nitroaniline			-	-	ND	U	-	-	-	-	-
4,6-Dinitro-2-methylphenol			-	-	ND	U	-	-	-	-	-
4-Bromophenyl phenyl ether			-	-	ND	U	-	-	-	-	-
4-Chloro-3-methylphenol			-	-	ND	U	-	-	-	-	-
4-Chloroaniline			-	-	ND	U	-	-	-	-	-
4-Chlorophenyl phenyl ether			-	-	ND	U	-	-	-	-	-
4-Methylphenol	100000	330	-	-	ND	U	-	-	-	-	-
4-Nitroaniline			-	-	ND	U	-	-	-	-	-
4-Nitrophenol			-	-	ND	U	-	-	-	-	-
Acenaphthene	100000	20000	-	-	ND	U	-	-	-	-	-
Acenaphthylene	100000	100000	-	-	ND	U	-	-	-	-	-
Acetophenone			-	-	ND	U	-	-	-	-	-
Anthracene	100000	100000	-	-	**711**		-	-	-	-	-
Atrazine			-	-	ND	U	-	-	-	-	-
Benzaldehyde			-	-	ND	U	-	-	-	-	-
Benzo[a]anthracene	1000	1000	-	-	**1770**		-	-	-	-	-
Benzo[a]pyrene	1000	1000	-	-	**1470**		-	-	-	-	-
Benzo[b]fluoranthene	1000	1000	-	-	**1770**		-	-	-	-	-
Benzo[g,h,i]perylene	100000	100000	-	-	**755**		-	-	-	-	-
Benzo[k]fluoranthene	3900	800	-	-	**661**		-	-	-	-	-
Bis(2-chloroethoxy)methane			-	-	ND	U	-	-	-	-	-
Bis(2-chloroethyl)ether			-	-	ND	U	-	-	-	-	-
Bis(2-ethylhexyl) phthalate			-	-	ND	U	-	-	-	-	-
Butyl benzyl phthalate			-	-	ND	U	-	-	-	-	-
Caprolactam			-	-	ND	U	-	-	-	-	-
Carbazole			-	-	ND	U	-	-	-	-	-
Chrysene	3900	1000	-	-	**1930**		-	-	-	-	-
Di-n-butyl phthalate			-	-	ND	U	-	-	-	-	-
Di-n-octyl phthalate			-	-	ND	U	-	-	-	-	-
Dibenz(a,h)anthracene	330	330	-	-	ND	U	-	-	-	-	-
Dibenzofuran	59000	7000	-	-	ND	U	-	-	-	-	-
Diethyl phthalate			-	-	ND	U	-	-	-	-	-
Dimethyl phthalate			-	-	ND	U	-	-	-	-	-
Fluoranthene	100000	100000	-	-	**4020**		-	-	-	-	-
Fluorene	100000	30000	-	-	ND	U	-	-	-	-	-
Hexachlorobenzene	1200	330	-	-	ND	U	-	-	-	-	-
Hexachlorobutadiene			-	-	ND	U	-	-	-	-	-
Hexachlorocyclopentadiene			-	-	ND	U	-	-	-	-	-
Hexachloroethane			-	-	ND	U	-	-	-	-	-
Indeno[1,2,3-cd]pyrene	500	500	-	-	**809**		-	-	-	-	-
Isophorone			-	-	ND	U	-	-	-	-	-
N-Nitrosodi-n-propylamine			-	-	ND	U	-	-	-	-	-
N-Nitrosodiphenylamine			-	-	ND	U	-	-	-	-	-
Naphthalene	100000	12000	-	-	**2.7**		-	-	-	-	-
Nitrobenzene			-	-	ND	U	-	-	-	-	-
Pentachlorophenol	6700	800	-	-	ND	U	-	-	-	-	-
Phenanthrene	100000	100000	-	-	**3490**		-	-	-	-	-
Phenol	100000	330	-	-	ND	U	-	-	-	-	-
Pyrene	100000	100000	-	-	**3520**		-	-	-	-	-
1,4-Dioxane	13000	100	-	-	-	-	-	-	-	-	-
Total Conc											

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID				**SRI-1 9-12'**		**SRI-1 12-15'**		**SRI-1 COMP**		**DUPE X**	
Lab Sample Number				**70134921017**		**70134921018**		**70134921019**		**70134921007**	
Sampling Date				**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix				**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor				**1**		**1**		**1**		**1**	
Units				**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**		**Low**		**Low**		**Low**		**Low**	
Semivolatiles - 8270D			-	-	-	-	-	ND	U	ND	U
Biphenyl			-	-	-	-	-	ND	U	ND	U
bis (2-chloroisopropyl) ether			-	-	-	-	-	ND	U	ND	U
2,4,5-Trichlorophenol			-	-	-	-	-	ND	U	ND	U
2,4,6-Trichlorophenol			-	-	-	-	-	ND	U	ND	U
2,4-Dichlorophenol			-	-	-	-	-	ND	U	ND	U
2,4-Dimethylphenol			-	-	-	-	-	ND	U	ND	U
2,4-Dinitrophenol			-	-	-	-	-	ND	U	ND	U
2,4-Dinitrotoluene			-	-	-	-	-	ND	U	ND	U
2,6-Dinitrotoluene			-	-	-	-	-	ND	U	ND	U
2-Chloronaphthalene			-	-	-	-	-	ND	U	ND	U
2-Chlorophenol			-	-	-	-	-	ND	U	ND	U
2-Methylnaphthalene			-	-	-	-	-	ND	U	ND	U
2-Methylphenol	100000	330	-	-	-	-	-	ND	U	ND	U
2-Nitroaniline			-	-	-	-	-	ND	U	ND	U
2-Nitrophenol			-	-	-	-	-	ND	U	ND	U
3,3'-Dichlorobenzidine			-	-	-	-	-	ND	U	ND	U
3-Nitroaniline			-	-	-	-	-	ND	U	ND	U
4,6-Dinitro-2-methylphenol			-	-	-	-	-	ND	U	ND	U
4-Bromophenyl phenyl ether			-	-	-	-	-	ND	U	ND	U
4-Chloro-3-methylphenol			-	-	-	-	-	ND	U	ND	U
4-Chloroaniline			-	-	-	-	-	ND	U	ND	U
4-Chlorophenyl phenyl ether			-	-	-	-	-	ND	U	ND	U
4-Methylphenol	100000	330	-	-	-	-	-	ND	U	ND	U
4-Nitroaniline			-	-	-	-	-	ND	U	ND	U
4-Nitrophenol			-	-	-	-	-	ND	U	ND	U
Acenaphthene	100000	20000	-	-	-	-	-	ND	U	ND	U
Acenaphthylene	100000	100000	-	-	-	-	-	ND	U	ND	U
Acetophenone			-	-	-	-	-	ND	U	ND	U
Anthracene	100000	100000	-	-	-	-	-	**319**		ND	U
Atrazine			-	-	-	-	-	ND	U	ND	U
Benzaldehyde			-	-	-	-	-	ND	U	ND	U
Benzo[a]anthracene	1000	1000	-	-	-	-	-	**939**		ND	U
Benzo[a]pyrene	1000	1000	-	-	-	-	-	**785**		ND	U
Benzo[b]fluoranthene	1000	1000	-	-	-	-	-	**892**		ND	U
Benzo[g,h,i]perylene	100000	100000	-	-	-	-	-	**484**		ND	U
Benzo[k]fluoranthene	3900	800	-	-	-	-	-	**476**		ND	U
Bis(2-chloroethoxy)methane			-	-	-	-	-	ND	U	ND	U
Bis(2-chloroethyl)ether			-	-	-	-	-	ND	U	ND	U
Bis(2-ethylhexyl) phthalate			-	-	-	-	-	ND	U	ND	U
Butyl benzyl phthalate			-	-	-	-	-	ND	U	ND	U
Caprolactam			-	-	-	-	-	ND	U	ND	U
Carbazole			-	-	-	-	-	ND	U	ND	U
Chrysene	3900	1000	-	-	-	-	-	**1070**		ND	U
Di-n-butyl phthalate			-	-	-	-	-	ND	U	ND	U
Di-n-octyl phthalate			-	-	-	-	-	ND	U	ND	U
Dibenz(a,h)anthracene	330	330	-	-	-	-	-	ND	U	ND	U
Dibenzofuran	59000	7000	-	-	-	-	-	ND	U	ND	U
Diethyl phthalate			-	-	-	-	-	ND	U	ND	U
Dimethyl phthalate			-	-	-	-	-	ND	U	ND	U
Fluoranthene	100000	100000	-	-	-	-	-	ND	U	ND	U
Fluorene	100000	30000	-	-	-	-	-	ND	U	ND	U
Hexachlorobenzene	1200	330	-	-	-	-	-	ND	U	ND	U
Hexachlorobutadiene			-	-	-	-	-	ND	U	ND	U
Hexachlorocyclopentadiene			-	-	-	-	-	ND	U	ND	U
Hexachloroethane			-	-	-	-	-	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	500	500	-	-	-	-	-	ND	U	ND	U
Isophorone			-	-	-	-	-	ND	U	ND	U
N-Nitrosodi-n-propylamine			-	-	-	-	-	ND	U	ND	U
N-Nitrosodiphenylamine			-	-	-	-	-	ND	U	ND	U
Naphthalene	100000	12000	-	-	-	-	-	**6.4**		ND	U
Nitrobenzene			-	-	-	-	-	ND	U	ND	U
Pentachlorophenol	6700	800	-	-	-	-	-	ND	U	ND	U
Phenanthrene	100000	100000	-	-	-	-	-	ND	U	ND	U
Phenol	100000	330	-	-	-	-	-	ND	U	ND	U
Pyrene	100000	100000	-	-	-	-	-	ND	U	-	-
1,4-Dioxane	13000	100	-	-	-	-	-	-	-		
Total Conc											

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-1 SS HFM**		**RI-1 SS 20-22'**		**RI-2 SS HFM**	
Lab Sample Number			**480-159499-1**		**480-159499-2**		**480-159499-3**	
Sampling Date			**09/18/2019 08:50:00**		**09/18/2019 09:15:00**		**09/18/2019 10:51:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**10**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B								
4,4'-DDD	13000	3.3	ND	U	ND	U	ND	U
4,4'-DDE	8900	3.3	ND	U	ND	U	ND	U
4,4'-DDT	7900	3.3	ND	U	ND	U	**19**	
Aldrin	97	5	ND	U	ND	U	ND	U
alpha-BHC	480	20	0.77	J	1.9	J	8.2	J
cis-Chlordane	4200	94	ND	U	ND	U	ND	U
beta-BHC	360	36	ND	U	ND	U	ND	U
delta-BHC	100000	40	0.45	J	ND	U	ND	U
Dieldrin	200	5	ND	U	ND	U	ND	U
Endosulfan I	24000	2400	ND	U	ND	U	ND	U
Endosulfan II	24000	2400	ND	U	ND	U	ND	U
Endosulfan sulfate	24000	2400	ND	U	ND	U	ND	U
Endrin	11000	14	ND	U	ND	U	ND	U
Endrin aldehyde			ND	U	ND	U	ND	U
Endrin ketone			ND	U	ND	U	ND	U
gamma-BHC (Lindane)	1300	100	ND	U	ND	U	ND	U
trans-Chlordane			ND	U	ND	U	ND	U
Heptachlor	2100	42	ND	U	ND	U	ND	U
Heptachlor epoxide			ND	U	ND	U	ND	U
Methoxychlor			ND	U	ND	U	ND	U
Toxaphene			ND	U	ND	U	ND	U
Sample ID			**RI-1 SS HFM**		**RI-1 SS 20-22**		**RI-2 SS HFM**	
Lab Sample Number			**480-159499-1**		**480-159499-2**		**480-159499-3**	
Sampling Date			**09/18/2019 08:50:00**		**09/18/2019 09:15:00**		**09/18/2019 10:51:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A								
PCB-1016			ND	U	ND	U	ND	U
PCB-1221			ND	U	ND	U	ND	U
PCB-1232			ND	U	ND	U	ND	U
PCB-1242			ND	U	ND	U	ND	U
PCB-1248			ND	U	ND	U	ND	U
PCB-1254			ND	U	ND	U	ND	U
PCB-1260			ND	U	ND	U	ND	U

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-2 SS 20-26'**		**RI-3 SS HFM**		-	-
Lab Sample Number			**480-159499-4**		**480-159415-1**		-	-
Sampling Date			**09/18/2019 11:34:00**		**09/17/2019 09:40:00**		-	-
Matrix			**Solid**		**Solid**		-	-
Dilution Factor			**1**		**1**		-	-
Units			**ug/Kg**		**ug/Kg**		-	-
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-
GC Semivolatiles - 8081B							-	-
4,4'-DDD	13000	3.3	ND	U	ND	U	-	-
4,4'-DDE	8900	3.3	ND	U	ND	U	-	-
4,4'-DDT	7900	3.3	ND	U	ND	U	-	-
Aldrin	97	5	ND	U	ND	U	-	-
alpha-BHC	480	20	0.84	J	1.0	J	-	-
cis-Chlordane	4200	94	ND	U	ND	U	-	-
beta-BHC	360	36	1.6	J B	**5.1**	B	-	-
delta-BHC	100000	40	ND	U	ND	U	-	-
Dieldrin	200	5	ND	U	ND	U	-	-
Endosulfan I	24000	2400	ND	U	ND	U	-	-
Endosulfan II	24000	2400	ND	U	ND	U	-	-
Endosulfan sulfate	24000	2400	ND	U	ND	U	-	-
Endrin	11000	14	ND	U	ND	U	-	-
Endrin aldehyde			ND	U	ND	U	-	-
Endrin ketone			ND	U	ND	U	-	-
gamma-BHC (Lindane)	1300	100	ND	U	ND	U	-	-
trans-Chlordane			ND	U	ND	U	-	-
Heptachlor	2100	42	ND	U	ND	U	-	-
Heptachlor epoxide			ND	U	ND	U	-	-
Methoxychlor			ND	U	ND	U	-	-
Toxaphene			ND	U	ND	U	-	-
Sample ID			**RI-2 SS 20-26'**		**RI-3 SS HFM**		-	-
Lab Sample Number			**480-159499-4**		**480-159415-1**		-	-
Sampling Date			**09/18/2019 11:34:00**		**09/17/2019 09:40:00**		-	-
Matrix			**Solid**		**Solid**		-	-
Dilution Factor			**1**		**1**		-	-
Units			**mg/Kg**		**mg/Kg**		-	-
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-
GC Semivolatiles - 8082A							-	-
PCB-1016			ND	U	ND	U	-	-
PCB-1221			ND	U	ND	U	-	-
PCB-1232			ND	U	ND	U	-	-
PCB-1242			ND	U	ND	U	-	-
PCB-1248			ND	U	ND	U	-	-
PCB-1254			ND	U	ND	U	-	-
PCB-1260			ND	U	ND	U	-	-

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-3 SS 18-20'**		**RI-4 SS HFM**		**RI-4 SS 20-22'**	
Lab Sample Number			**480-159415-2**		**480-159499-5**		**480-159499-6**	
Sampling Date			**09/17/2019 10:14:00**		**09/18/2019 00:00:00**		**09/18/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**5**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B								
4,4'-DDD	13000	3.3	ND	U	ND	U	ND	U
4,4'-DDE	8900	3.3	ND	U	ND	U	ND	U
4,4'-DDT	7900	3.3	ND	U	ND	U	0.56	J
Aldrin	97	5	ND	U	ND	U	ND	U
alpha-BHC	480	20	1.2	J	1.9	J	0.82	J
cis-Chlordane	4200	94	ND	U	ND	U	ND	U
beta-BHC	360	36	0.64	J B	ND	U F2	ND	U
delta-BHC	100000	40	ND	U	ND	U	ND	U
Dieldrin	200	5	ND	U	ND	U	ND	U
Endosulfan I	24000	2400	ND	U	ND	U	ND	U
Endosulfan II	24000	2400	ND	U	ND	U	ND	U
Endosulfan sulfate	24000	2400	ND	U	ND	U	ND	U
Endrin	11000	14	ND	U	ND	U	ND	U
Endrin aldehyde			ND	U	ND	U	ND	U
Endrin ketone			ND	U	ND	U	ND	U
gamma-BHC (Lindane)	1300	100	ND	U	ND	U	0.72	J
trans-Chlordane			ND	U	ND	U	ND	U
Heptachlor	2100	42	ND	U	ND	U	ND	U
Heptachlor epoxide			ND	U	ND	U F2	ND	U
Methoxychlor			ND	U	ND	U	ND	U
Toxaphene			ND	U	ND	U	ND	U
Sample ID			**RI-3 SS 18-20'**		**RI-4 SS HFM**		**RI-4 SS 20-22'**	
Lab Sample Number			**480-159415-2**		**480-159499-5**		**480-159499-6**	
Sampling Date			**09/17/2019 10:14:00**		**09/18/2019 00:00:00**		**09/18/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A								
PCB-1016			ND	U	ND	U	ND	U
PCB-1221			ND	U	ND	U	ND	U
PCB-1232			ND	U	ND	U	ND	U
PCB-1242			ND	U	ND	U	ND	U
PCB-1248			ND	U	ND	U	ND	U
PCB-1254			ND	U	ND	U	ND	U
PCB-1260			ND	U	ND	U	ND	U

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-5 SS 20-22'**		**RI-6 SS HFM**		**RI-6 SS 14-16'**	
Lab Sample Number			**480-159246-1**		**480-159633-5**		**480-159633-6**	
Sampling Date			**09/16/2019 12:00:00**		**09/23/2019 14:42:00**		**09/23/2019 15:02:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**5**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B								
4,4'-DDD	13000	3.3	0.66	J	ND	U	ND	U
4,4'-DDE	8900	3.3	ND	U	ND	U	ND	U
4,4'-DDT	7900	3.3	ND	U	8.2	J	ND	U
Aldrin	97	5	ND	U	ND	U	ND	U
alpha-BHC	480	20	0.88	J B	ND	U	0.85	J B
cis-Chlordane	4200	94	ND	U	ND	U	ND	U
beta-BHC	360	36	ND	U	ND	U	ND	U
delta-BHC	100000	40	0.47	J B	ND	U	ND	U
Dieldrin	200	5	ND	U	ND	U	ND	U
Endosulfan I	24000	2400	ND	U	ND	U	ND	U
Endosulfan II	24000	2400	ND	U	ND	U	ND	U
Endosulfan sulfate	24000	2400	ND	U	ND	U	ND	U
Endrin	11000	14	ND	U	ND	U	ND	U
Endrin aldehyde			ND	U	ND	U	ND	U
Endrin ketone			ND	U	**9.9**	B	ND	U
gamma-BHC (Lindane)	1300	100	0.49	J	ND	U	ND	U
trans-Chlordane			ND	U	ND	U	ND	U
Heptachlor	2100	42	ND	U	ND	U	ND	U
Heptachlor epoxide			ND	U	ND	U	ND	U
Methoxychlor			ND	U	5.6	J	0.94	J
Toxaphene			ND	U	ND	U	ND	U
Sample ID			**RI-5 SS 20-22'**		**RI-6 SS HEM**		**RI-6 SS 14-16'**	
Lab Sample Number			**480-159246-1**		**480-159633-5**		**480-159633-6**	
Sampling Date			**09/16/2019 12:00:00**		**09/23/2019 14:42:00**		**09/23/2019 15:02:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A								
PCB-1016			ND	U	ND	U	ND	U
PCB-1221			ND	U	ND	U	ND	U
PCB-1232			ND	U	ND	U	ND	U
PCB-1242			ND	U	ND	U	ND	U
PCB-1248			ND	U	ND	U	ND	U
PCB-1254			ND	U	ND	U	ND	U
PCB-1260			ND	U	ND	U	ND	U

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-11 SS 16-18'**		**RI-12 SS 16-18'**		**RI-13 SS 14-18'**	
Lab Sample Number			**480-159633-4**		**480-159723-1**		**480-159531-1**	
Sampling Date			**09/23/2019 11:26:00**		**09/24/2019 10:14:00**		**09/19/2019 08:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B								
4,4'-DDD	13000	3.3	ND	U	ND	U	ND	U
4,4'-DDE	8900	3.3	ND	U	ND	U	ND	U
4,4'-DDT	7900	3.3	ND	U	ND	U	ND	U
Aldrin	97	5	ND	U	ND	U	ND	U
alpha-BHC	480	20	0.81	J B	0.83	J B	0.64	J
cis-Chlordane	4200	94	ND	U	ND	U	ND	U
beta-BHC	360	36	ND	U	ND	U	ND	U
delta-BHC	100000	40	ND	U	0.44	J	ND	U
Dieldrin	200	5	ND	U	ND	U	ND	U
Endosulfan I	24000	2400	ND	U	ND	U	ND	U
Endosulfan II	24000	2400	ND	U	ND	U	ND	U
Endosulfan sulfate	24000	2400	ND	U	ND	U	ND	U
Endrin	11000	14	ND	U	ND	U	ND	U
Endrin aldehyde			ND	U	ND	U	ND	U
Endrin ketone			ND	U	ND	U	ND	U
gamma-BHC (Lindane)	1300	100	ND	U	ND	U	ND	U
trans-Chlordane			ND	U	ND	U	ND	U
Heptachlor	2100	42	ND	U	ND	U	ND	U
Heptachlor epoxide			ND	U	ND	U	ND	U
Methoxychlor			ND	U	ND	U	ND	U
Toxaphene			ND	U	ND	U	ND	U
Sample ID			**RI-11 SS 16-18'**		**RI-12 SS 16-18'**		**RI-13 SS 14-18'**	
Lab Sample Number			**480-159633-4**		**480-159723-1**		**480-159531-1**	
Sampling Date			**09/23/2019 11:26:00**		**09/24/2019 10:14:00**		**09/19/2019 08:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A								
PCB-1016			ND	U	ND	U	ND	U
PCB-1221			ND	U	ND	U	ND	U
PCB-1232			ND	U	ND	U	ND	U
PCB-1242			ND	U	ND	U	ND	U
PCB-1248			ND	U	**0.33**		ND	U
PCB-1254			ND	U	ND	U	ND	U
PCB-1260			ND	U	ND	U	ND	U

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-14 SS 14-18'**		**RI-15 SS 18-20'**		**RI-16 SS 22-24'**	
Lab Sample Number			**480-159574-2**		**480-159574-1**		**480-159415-4**	
Sampling Date			**09/20/2019 09:48:00**		**09/20/2019 08:10:00**		**09/17/2019 13:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**2**		**5**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B								
4,4'-DDD	13000	3.3	ND	U	ND	U	ND	U
4,4'-DDE	8900	3.3	ND	U	ND	U	ND	U
4,4'-DDT	7900	3.3	2.4	J	ND	U	ND	U
Aldrin	97	5	ND	U	ND	U	ND	U
alpha-BHC	480	20	ND	U	ND	U	0.87	J
cis-Chlordane	4200	94	ND	U	ND	U	ND	U
beta-BHC	360	36	ND	U	ND	U	ND	U
delta-BHC	100000	40	ND	U	ND	U	ND	U
Dieldrin	200	5	ND	U	ND	U	ND	U
Endosulfan I	24000	2400	ND	U	ND	U	ND	U
Endosulfan II	24000	2400	ND	U	ND	U	ND	U
Endosulfan sulfate	24000	2400	ND	U	ND	U	ND	U
Endrin	11000	14	ND	U	ND	U	ND	U
Endrin aldehyde			ND	U	ND	U	ND	U
Endrin ketone			ND	U	ND	U	ND	U
gamma-BHC (Lindane)	1300	100	ND	U	ND	U	ND	U
trans-Chlordane			1.6	J	ND	U	ND	U
Heptachlor	2100	42	ND	U	ND	U	ND	U
Heptachlor epoxide			ND	U	ND	U	ND	U
Methoxychlor			ND	U	ND	U	ND	U
Toxaphene			ND	U	ND	U	ND	U
Sample ID			**RI-14 SS 14-18'**		**RI-15 SS 18-20'**		**RI-16 SS 22-24'**	
Lab Sample Number			**480-159574-2**		**480-159574-1**		**480-159415-4**	
Sampling Date			**09/20/2019 09:48:00**		**09/20/2019 08:10:00**		**09/17/2019 13:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A								
PCB-1016			ND	U	ND	U	ND	U
PCB-1221			ND	U	ND	U	ND	U
PCB-1232			ND	U	ND	U	ND	U
PCB-1242			ND	U	ND	U	ND	U
PCB-1248			ND	U	ND	U	ND	U
PCB-1254			ND	U	ND	U	ND	U
PCB-1260			ND	U	ND	U	ND	U

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-17 SS 18-20'**		**DUPE-3**		**DUPE-4**	
Lab Sample Number			**480-159415-5**		**480-159415-3**		**480-159499-7**	
Sampling Date			**09/17/2019 15:40:00**		**09/17/2019 00:00:00**		**09/18/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**10**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B								
4,4'-DDD	13000	3.3	ND	U	ND	U	ND	U
4,4'-DDE	8900	3.3	ND	U	ND	U	ND	U
4,4'-DDT	7900	3.3	ND	U	ND	U	**20**	
Aldrin	97	5	ND	U	ND	U	ND	U
alpha-BHC	480	20	2.0	J	5.0		5.2	J
cis-Chlordane	4200	94	ND	U	ND	U	ND	U
beta-BHC	360	36	0.79	J B	ND	U	ND	U
delta-BHC	100000	40	ND	U	ND	U	ND	U
Dieldrin	200	5	ND	U	ND	U	ND	U
Endosulfan I	24000	2400	ND	U	ND	U	ND	U
Endosulfan II	24000	2400	ND	U	ND	U	ND	U
Endosulfan sulfate	24000	2400	ND	U	ND	U	ND	U
Endrin	11000	14	ND	U	ND	U	ND	U
Endrin aldehyde			ND	U	ND	U	ND	U
Endrin ketone			ND	U	ND	U	ND	U
gamma-BHC (Lindane)	1300	100	ND	U	ND	U	ND	U
trans-Chlordane			ND	U	ND	U	ND	U
Heptachlor	2100	42	ND	U	ND	U	ND	U
Heptachlor epoxide			ND	U	ND	U	ND	U
Methoxychlor			ND	U	ND	U	ND	U
Toxaphene			ND	U	ND	U	ND	U
Sample ID			**RI-17 SS 18-20'**		**DUPE-3**		**DUPE-4**	
Lab Sample Number			**480-159415-5**		**480-159415-3**		**480-159499-7**	
Sampling Date			**09/17/2019 15:40:00**		**09/17/2019 00:00:00**		**09/18/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A								
PCB-1016			ND	U	ND	U	ND	U
PCB-1221			ND	U	ND	U	ND	U
PCB-1232			ND	U	ND	U	ND	U
PCB-1242			ND	U	ND	U	ND	U
PCB-1248			ND	U	ND	U	ND	U
PCB-1254			ND	U	ND	U	ND	U
PCB-1260			ND	U	ND	U	ND	U

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**SRI-4 FILL MATERIAL**		**SRI-4 NATIVE MATERIAL**		**SRI-5 FILL MATERIAL**	
Lab Sample Number			**70134921001**		**70134921002**		**70134921003**	
Sampling Date			**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B								
4,4'-DDD	13000	3.3	-	-	-	-	-	-
4,4'-DDE	8900	3.3	-	-	-	-	-	-
4,4'-DDT	7900	3.3	-	-	-	-	-	-
Aldrin	97	5	-	-	-	-	-	-
alpha-BHC	480	20	-	-	-	-	-	-
cis-Chlordane	4200	94	-	-	-	-	-	-
beta-BHC	360	36	-	-	-	-	-	-
delta-BHC	100000	40	-	-	-	-	-	-
Dieldrin	200	5	-	-	-	-	-	-
Endosulfan I	24000	2400	-	-	-	-	-	-
Endosulfan II	24000	2400	-	-	-	-	-	-
Endosulfan sulfate	24000	2400	-	-	-	-	-	-
Endrin	11000	14	-	-	-	-	-	-
Endrin aldehyde			-	-	-	-	-	-
Endrin ketone			-	-	-	-	-	-
gamma-BHC (Lindane)	1300	100	-	-	-	-	-	-
trans-Chlordane			-	-	-	-	-	-
Heptachlor	2100	42	-	-	-	-	-	-
Heptachlor epoxide			-	-	-	-	-	-
Methoxychlor			-	-	-	-	-	-
Toxaphene			-	-	-	-	-	-
Sample ID			**SRI-4 FILL MATERIAL**		**SRI-4 NATIVE MATERIAL**		**SRI-5 FILL MATERIAL**	
Lab Sample Number			**70134921001**		**70134921002**		**70134921003**	
Sampling Date			**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A			**-**	**-**	**-**	**-**	**-**	**-**
PCB-1016			-	-	-	-	-	-
PCB-1221			-	-	-	-	-	-
PCB-1232			-	-	-	-	-	-
PCB-1242			-	-	-	-	-	-
PCB-1248			-	-	-	-	-	-
PCB-1254			-	-	-	-	-	-
PCB-1260			-	-	-	-	-	-

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID				**SRI-5 NATIVE MATERIAL**		**SRI-3 FILL MATERIAL**		**SRI-3 NATIVE MATERIAL**	
Lab Sample Number				**70134921004**		**70134921005**		**70134921006**	
Sampling Date				**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix				**Solid**		**Solid**		**Solid**	
Dilution Factor				**1**		**1**		**1**	
Units				**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**		**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B									
4,4'-DDD	13000	3.3		-	-	-	-	-	-
4,4'-DDE	8900	3.3		-	-	-	-	-	-
4,4'-DDT	7900	3.3		-	-	-	-	-	-
Aldrin	97	5		-	-	-	-	-	-
alpha-BHC	480	20		-	-	-	-	-	-
cis-Chlordane	4200	94		-	-	-	-	-	-
beta-BHC	360	36		-	-	-	-	-	-
delta-BHC	100000	40		-	-	-	-	-	-
Dieldrin	200	5		-	-	-	-	-	-
Endosulfan I	24000	2400		-	-	-	-	-	-
Endosulfan II	24000	2400		-	-	-	-	-	-
Endosulfan sulfate	24000	2400		-	-	-	-	-	-
Endrin	11000	14		-	-	-	-	-	-
Endrin aldehyde				-	-	-	-	-	-
Endrin ketone				-	-	-	-	-	-
gamma-BHC (Lindane)	1300	100		-	-	-	-	-	-
trans-Chlordane				-	-	-	-	-	-
Heptachlor	2100	42		-	-	-	-	-	-
Heptachlor epoxide				-	-	-	-	-	-
Methoxychlor				-	-	-	-	-	-
Toxaphene				-	-	-	-	-	-
Sample ID				**SRI-5 NATIVE MATERIAL**		**SRI-3 FILL MATERIAL**		**SRI-3 NATIVE MATERIAL**	
Lab Sample Number				**70134921004**		**70134921005**		**70134921006**	
Sampling Date				**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix				**Solid**		**Solid**		**Solid**	
Dilution Factor				**1**		**1**		**1**	
Units				**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**		**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A				**-**	**-**	**-**	**-**	**-**	**-**
PCB-1016				-	-	-	-	-	-
PCB-1221				-	-	-	-	-	-
PCB-1232				-	-	-	-	-	-
PCB-1242				-	-	-	-	-	-
PCB-1248				-	-	-	-	-	-
PCB-1254				-	-	-	-	-	-
PCB-1260				-	-	-	-	-	-

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**SRI-2 0-3'**		**SRI-2 3-6'**		**SRI-2 6-9'**		**SRI-2 9-12'**	
Lab Sample Number			**70134921008**		**70134921009**		**70134921010**		**70134921011**	
Sampling Date			**43998**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**4**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B										
4,4'-DDD	13000	3.3	-	-	-	-	-	-	-	-
4,4'-DDE	8900	3.3	-	-	-	-	-	-	-	-
4,4'-DDT	7900	3.3	-	-	-	-	-	-	-	-
Aldrin	97	5	-	-	-	-	-	-	-	-
alpha-BHC	480	20	-	-	-	-	-	-	-	-
cis-Chlordane	4200	94	-	-	-	-	-	-	-	-
beta-BHC	360	36	-	-	-	-	-	-	-	-
delta-BHC	100000	40	-	-	-	-	-	-	-	-
Dieldrin	200	5	-	-	-	-	-	-	-	-
Endosulfan I	24000	2400	-	-	-	-	-	-	-	-
Endosulfan II	24000	2400	-	-	-	-	-	-	-	-
Endosulfan sulfate	24000	2400	-	-	-	-	-	-	-	-
Endrin	11000	14	-	-	-	-	-	-	-	-
Endrin aldehyde			-	-	-	-	-	-	-	-
Endrin ketone			-	-	-	-	-	-	-	-
gamma-BHC (Lindane)	1300	100	-	-	-	-	-	-	-	-
trans-Chlordane			-	-	-	-	-	-	-	-
Heptachlor	2100	42	-	-	-	-	-	-	-	-
Heptachlor epoxide			-	-	-	-	-	-	-	-
Methoxychlor			-	-	-	-	-	-	-	-
Toxaphene			-	-	-	-	-	-	-	-
Sample ID			**SRI-2 0-3'**		**SRI-2 3-6'**		**SRI-2 6-9'**		**SRI-2 9-12'**	
Lab Sample Number			**70134921008**		**70134921009**		**70134921010**		**70134921011**	
Sampling Date			**43998**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**4**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
PCB-1016			-	-	-	-	-	-	-	-
PCB-1221			-	-	-	-	-	-	-	-
PCB-1232			-	-	-	-	-	-	-	-
PCB-1242			-	-	-	-	-	-	-	-
PCB-1248			-	-	-	-	-	-	-	-
PCB-1254			-	-	-	-	-	-	-	-
PCB-1260			-	-	-	-	-	-	-	-

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS											
Sample ID			SRI-2 12-15'		SRI-2 COMP		SRI-1 0-3'		SRI-1 3-6'		SRI-1 6-9'
Lab Sample Number			70134921012		70134921013		70134921014		70134921015		70134921016
Sampling Date			6/16/2020		6/16/2020		6/16/2020		6/16/2020		6/16/2020
Matrix			Solid		Solid		Solid		Solid		Solid
Dilution Factor			1		1		1		1		1
Units			ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	Low		Low		Low		Low		Low
GC Semivolatiles - 8081B											
4,4'-DDD	13000	3.3	-	-	-	-	-	-	-	-	-
4,4'-DDE	8900	3.3	-	-	-	-	-	-	-	-	-
4,4'-DDT	7900	3.3	-	-	-	-	-	-	-	-	-
Aldrin	97	5	-	-	-	-	-	-	-	-	-
alpha-BHC	480	20	-	-	-	-	-	-	-	-	-
cis-Chlordane	4200	94	-	-	-	-	-	-	-	-	-
beta-BHC	360	36	-	-	-	-	-	-	-	-	-
delta-BHC	100000	40	-	-	-	-	-	-	-	-	-
Dieldrin	200	5	-	-	-	-	-	-	-	-	-
Endosulfan I	24000	2400	-	-	-	-	-	-	-	-	-
Endosulfan II	24000	2400	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	24000	2400	-	-	-	-	-	-	-	-	-
Endrin	11000	14	-	-	-	-	-	-	-	-	-
Endrin aldehyde			-	-	-	-	-	-	-	-	-
Endrin ketone			-	-	-	-	-	-	-	-	-
gamma-BHC (Lindane)	1300	100	-	-	-	-	-	-	-	-	-
trans-Chlordane			-	-	-	-	-	-	-	-	-
Heptachlor	2100	42	-	-	-	-	-	-	-	-	-
Heptachlor epoxide			-	-	-	-	-	-	-	-	-
Methoxychlor			-	-	-	-	-	-	-	-	-
Toxaphene			-	-	-	-	-	-	-	-	-
Sample ID			SRI-2 12-15'		SRI-2 COMP		SRI-1 0-3'		SRI-1 3-6'		SRI-1 6-9'
Lab Sample Number			70134921012		70134921013		70134921014		70134921015		70134921016
Sampling Date			6/16/2020		6/16/2020		6/16/2020		6/16/2020		6/16/2020
Matrix			Solid		Solid		Solid		Solid		Solid
Dilution Factor			1		1		1		1		1
Units			ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	Low		Low		Low		Low		Low
GC Semivolatiles - 8082A			-	-	-	-	-	-	-	-	-
PCB-1016			-	-	-	-	-	-	-	-	-
PCB-1221			-	-	-	-	-	-	-	-	-
PCB-1232			-	-	-	-	-	-	-	-	-
PCB-1242			-	-	-	-	-	-	-	-	-
PCB-1248			-	-	-	-	-	-	-	-	-
PCB-1254			-	-	-	-	-	-	-	-	-
PCB-1260			-	-	-	-	-	-	-	-	-

Poestenkill Place - Brownfield Cleanup Project
City of Trov, NY - 244-246 First Street
NYSDEC Site No. C442058, B&L 2248.001

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID				**SRI-1 9-12'**		**SRI-1 12-15'**		**SRI-1 COMP**		**DUPE X**	
Lab Sample Number				**70134921017**		**70134921018**		**70134921019**		**70134921007**	
Sampling Date				**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix				**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor				**1**		**1**		**1**		**1**	
Units				**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**		**Low**		**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B											
4,4'-DDD	13000	3.3	-	-	-	-	-	-	-	-	-
4,4'-DDE	8900	3.3	-	-	-	-	-	-	-	-	-
4,4'-DDT	7900	3.3	-	-	-	-	-	-	-	-	-
Aldrin	97	5	-	-	-	-	-	-	-	-	-
alpha-BHC	480	20	-	-	-	-	-	-	-	-	-
cis-Chlordane	4200	94	-	-	-	-	-	-	-	-	-
beta-BHC	360	36	-	-	-	-	-	-	-	-	-
delta-BHC	100000	40	-	-	-	-	-	-	-	-	-
Dieldrin	200	5	-	-	-	-	-	-	-	-	-
Endosulfan I	24000	2400	-	-	-	-	-	-	-	-	-
Endosulfan II	24000	2400	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	24000	2400	-	-	-	-	-	-	-	-	-
Endrin	11000	14	-	-	-	-	-	-	-	-	-
Endrin aldehyde			-	-	-	-	-	-	-	-	-
Endrin ketone			-	-	-	-	-	-	-	-	-
gamma-BHC (Lindane)	1300	100	-	-	-	-	-	-	-	-	-
trans-Chlordane			-	-	-	-	-	-	-	-	-
Heptachlor	2100	42	-	-	-	-	-	-	-	-	-
Heptachlor epoxide			-	-	-	-	-	-	-	-	-
Methoxychlor			-	-	-	-	-	-	-	-	-
Toxaphene			-	-	-	-	-	-	-	-	-
Sample ID				**SRI-1 9-12'**		**SRI-1 12-15'**		**SRI-1 COMP**		**DUPE X**	
Lab Sample Number				**70134921017**		**70134921018**		**70134921019**		**70134921007**	
Sampling Date				**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix				**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor				**1**		**1**		**1**		**1**	
Units				**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**		**Low**		**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
PCB-1016			-	-	-	-	-	-	-	-	-
PCB-1221			-	-	-	-	-	-	-	-	-
PCB-1232			-	-	-	-	-	-	-	-	-
PCB-1242			-	-	-	-	-	-	-	-	-
PCB-1248			-	-	-	-	-	-	-	-	-
PCB-1254			-	-	-	-	-	-	-	-	-
PCB-1260			-	-	-	-	-	-	-	-	-

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-1 SS HFM**		**RI-1 SS 20-22'**		**RI-2 SS HFM**	
Lab Sample Number			**480-159499-1**		**480-159499-2**		**480-159499-3**	
Sampling Date			**09/18/2019 08:50:00**		**09/18/2019 09:15:00**		**09/18/2019 10:51:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Total/NA Low**		**Total/NA Low**		**Total/NA Low**	
Metals								
Aluminum			**11200**		**14000**		**10100**	
Mercury	0.81	0.18	**0.55**		**0.12**		**0.63**	
Antimony			ND	U	ND	U	ND	U
Arsenic	16	13	**3.9**		**4.4**		**6.7**	
Barium	400	350	**119**		**90.5**		**148**	
Beryllium	72	7.2	**0.63**		**0.89**		**0.60**	
Cadmium	4.3	2.5	ND	U	ND	U	**0.70**	
Calcium			**2460**	B	**1800**	B	**10300**	B
Chromium	180	30	**13.7**		**17.8**		**12.7**	
Cobalt			**8.8**		**11.8**		**6.2**	
Copper	270	50	**24.7**		**18.6**		**153**	
Iron			**20200**		**29500**		**29200**	
Lead	400	63	**417**		**58.1**		**457**	
Magnesium			**3950**		**5810**		**2180**	
Manganese	2000	1600	**536**	B	**433**	B	**325**	B
Nickel	310	30	**18.6**		**26.8**		**13.4**	
Potassium			**1640**		**2310**		**1830**	
Selenium	180	3.9	0.52	J B	ND	U	ND	U
Silver	180	2	ND	U	ND	U	ND	U
Sodium			70.7	J	92.6	J	**392**	
Thallium			ND	U	ND	U	ND	U
Vanadium			**16.6**		**17.9**		**22.4**	
Zinc	10000	109	**63.8**		**69.5**		**1080**	
Sample ID			**RI-1 SS HFM**		**RI-1 SS 20-22'**		**RI-2 SS HFM**	
Lab Sample Number			**480-159499-1**		**480-159499-2**		**480-159499-3**	
Sampling Date			**09/18/2019 08:50:00**		**09/18/2019 09:15:00**		**09/18/2019 10:51:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor								
Units								
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Wet Chemistry								
Cr (VI) - mg/Kg	110	1	ND	U	ND	U	ND	U
Cyanide, Total - mg/Kg	27	27	ND	U	ND	U	ND	U

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-2 SS 20-26'**		**RI-3 SS HFM**		**RI-3 SS HFM**	
Lab Sample Number			**480-159499-4**		**480-159415-1**		**480-159415-1**	
Sampling Date			**09/18/2019 11:34:00**		**09/17/2019 09:40:00**		**09/17/2019 09:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**2**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Total/NA Low**		**Total/NA Low**		**Total/NA Low**	
Metals								
Aluminum			**13700**		**9110**		NR	
Mercury	0.81	0.18	0.013	J	**0.10**		NR	
Antimony			ND	U	NR		ND	U
Arsenic	16	13	**2.7**		**27.9**		NR	
Barium	400	350	**87.1**		**73.0**		NR	
Beryllium	72	7.2	**0.80**		NR		0.37	J
Cadmium	4.3	2.5	ND	U	NR		ND	U
Calcium			**1410**	B	**4230**	B	NR	
Chromium	180	30	**17.5**		NR		**49.9**	
Cobalt			**9.6**		NR		**32.8**	
Copper	270	50	**13.8**		**22.2**		NR	
Iron			**25000**		NR		**84100**	
Lead	400	63	**16.4**		NR		**12.1**	
Magnesium			**6370**		**907**	B	NR	
Manganese	2000	1600	**331**	B	NR		**2240**	B
Nickel	310	30	**23.2**		NR		**68.0**	
Potassium			**2780**		**1090**		NR	
Selenium	180	3.9	ND	U	ND	U	NR	
Silver	180	2	ND	U	NR		ND	U
Sodium			**89.3**	J	**217**		NR	
Thallium			ND	U	ND	U	NR	
Vanadium			**19.3**		NR		**42.0**	
Zinc	10000	109	**62.4**		**299**		NR	
Sample ID			**RI-2 SS 20-26'**		**RI-3 SS HFM**		-	-
Lab Sample Number			**480-159499-4**		**480-159415-1**		-	-
Sampling Date			**09/18/2019 11:34:00**		**09/17/2019 09:40:00**		-	-
Matrix			**Solid**		**Solid**		-	-
Dilution Factor							-	-
Units							-	-
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		-	-
Wet Chemistry							-	-
Cr (VI) - mg/Kg	110	1	ND	U	ND	U	-	-
Cyanide, Total - mg/Kg	27	27	ND	U	ND	U H	-	-

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-3 SS 18-20'**		**RI-4 SS HFM**		**RI-4 SS 20-22'**	
Lab Sample Number			**480-159415-2**		**480-159499-5**		**480-159499-6**	
Sampling Date			**09/17/2019 10:14:00**		**09/18/2019 00:00:00**		**09/18/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Total/NA Low**		**Total/NA Low**		**Total/NA Low**	
Metals								
Aluminum			**10900**		**8040**	F1	**14700**	
Mercury	0.81	0.18	**0.030**		**0.062**		**0.034**	
Antimony			ND	U	ND	U F1	ND	U
Arsenic	16	13	2.1	J	**2.9**		**6.8**	
Barium	400	350	**74.5**		**51.8**		**148**	
Beryllium	72	7.2	**0.59**		**0.47**		**0.75**	
Cadmium	4.3	2.5	ND	U	0.034	J	ND	U
Calcium			**1050**	B	**5310**	B F1	**2750**	B
Chromium	180	30	**13.3**		**8.4**		**15.8**	
Cobalt			**7.9**		**4.4**		**10.2**	
Copper	270	50	**12.7**		**20.0**	F1 F2	**16.9**	
Iron			**19100**		**11900**		**33800**	
Lead	400	63	**10.8**		**36.0**		**25.2**	
Magnesium			**3890**	B	**1550**		**6140**	
Manganese	2000	1600	**253**	B	**333**	F2 B	**1160**	B
Nickel	310	30	**16.6**		**8.5**		**26.8**	
Potassium			**2100**		**1440**		**1980**	
Selenium	180	3.9	ND	U	ND	U	0.55	J B
Silver	180	2	ND	U	ND	U	ND	U
Sodium			61.6	J	**235**		94.0	J
Thallium			ND	U	ND	U	ND	U
Vanadium			**16.4**		**17.4**		**18.6**	
Zinc	10000	109	**59.0**		**57.6**	F1 F2	**74.8**	
Sample ID			**RI-3 SS 18-20'**		**RI-4 SS HFM**		**RI-4 SS 20-22'**	
Lab Sample Number			**480-159415-2**		**480-159499-5**		**480-159499-6**	
Sampling Date			**09/17/2019 10:14:00**		**09/18/2019 00:00:00**		**09/18/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor								
Units								
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Wet Chemistry								
Cr (VI) - mg/Kg	110	1	ND	U	ND	U	ND	U
Cyanide, Total - mg/Kg	27	27	ND	U H	ND	U	ND	U

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-5 SS 20-22'**		**RI-6 SS HEM**		**RI-6 SS 14-16'**	
Lab Sample Number			**480-159246-1**		**480-159633-5**		**480-159633-6**	
Sampling Date			**09/16/2019 12:00:00**		**09/23/2019 14:42:00**		**09/23/2019 15:02:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Total/NA Low**		**Total/NA Low**		**Total/NA Low**	
Metals								
Aluminum			**13800**		**10300**		**13000**	
Mercury	0.81	0.18	**0.023**		**0.068**		0.024	J
Antimony			ND	U	1.6	J	1.3	J
Arsenic	16	13	**5.3**		**3.5**		**4.0**	
Barium	400	350	**92.6**		**69.8**		**178**	
Beryllium	72	7.2	**0.73**		**0.53**		**0.74**	
Cadmium	4.3	2.5	ND	U	0.047	J	0.055	J
Calcium			**1620**	B	**5280**		**2140**	
Chromium	180	30	**16.8**		**12.4**		**15.5**	
Cobalt			**10.1**		**7.8**		**10.5**	
Copper	270	50	**12.7**		**17.2**		**13.2**	
Iron			**21700**		**19300**	^	**21800**	^
Lead	400	63	**45.5**		**39.1**		**15.9**	
Magnesium			**5460**	B	**2950**		**4050**	
Manganese	2000	1600	**300**	B	**425**	B	**943**	B
Nickel	310	30	**21.2**		**14.8**		**20.1**	
Potassium			**2720**		**1690**		**1930**	
Selenium	180	3.9	ND	U	0.44	J	0.73	J
Silver	180	2	ND	U	ND	U	ND	U
Sodium			90.7	J	144	J B	89.1	J B
Thallium			ND	U	ND	U	ND	U
Vanadium			**19.0**		**21.3**		**17.3**	
Zinc	10000	109	**59.7**		**68.3**		**62.9**	
Sample ID			**RI-5 SS 20-22'**		**RI-6 SS HEM**		**RI-6 SS 14-16'**	
Lab Sample Number			**480-159246-1**		**480-159633-5**		**480-159633-6**	
Sampling Date			**09/16/2019 12:00:00**		**09/23/2019 14:42:00**		**09/23/2019 15:02:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor								
Units								
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Wet Chemistry								
Cr (VI) - mg/Kg	110	1	ND	U	ND	U	ND	U
Cyanide, Total - mg/Kg	27	27	ND	U H	0.53	J	ND	U

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-11 SS 16-18'**		**RI-12 SS 16-18**		**RI-13 SS 14-18'**	
Lab Sample Number			**480-159633-4**		**480-159723-1**		**480-159531-1**	
Sampling Date			**09/23/2019 11:26:00**		**09/24/2019 10:14:00**		**09/19/2019 08:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Total/NA Low**		**Total/NA Low**		**Total/NA Low**	
Metals								
Aluminum			**15500**		**15400**		**12600**	
Mercury	0.81	0.18	**0.027**		0.016	J	0.021	J
Antimony			1.3	J	1.4	J	ND	U
Arsenic	16	13	**3.9**		**4.5**		**4.5**	
Barium	400	350	**126**		**126**		**125**	
Beryllium	72	7.2	**0.74**		**0.82**	B	**0.72**	
Cadmium	4.3	2.5	ND	U	ND	U	ND	U
Calcium			**1580**		**1660**	B	**1400**	B
Chromium	180	30	**16.9**		**17.6**		**14.3**	
Cobalt			**11.8**		**11.9**		**9.4**	
Copper	270	50	**11.2**		**14.7**	B	**12.1**	
Iron			**23100**	^	**23700**		**20100**	
Lead	400	63	**13.2**		**13.8**		**12.2**	
Magnesium			**3900**		**4310**		**3770**	
Manganese	2000	1600	**974**	B	**1120**	B	**737**	B
Nickel	310	30	**18.8**		**20.6**		**17.3**	
Potassium			**1910**		**2180**		**1860**	
Selenium	180	3.9	ND	U	ND	U	ND	U
Silver	180	2	ND	U	ND	U	ND	U
Sodium			94.1	J B	111	J	64.5	J
Thallium			ND	U	ND	U	ND	U
Vanadium			**21.4**		**20.8**		**16.9**	
Zinc	10000	109	**54.0**		**61.9**		**52.4**	
Sample ID			**RI-11 SS 16-18'**		**RI-12 SS 16-18'**		**RI-13 SS 14-18'**	
Lab Sample Number			**480-159633-4**		**480-159723-1**		**480-159531-1**	
Sampling Date			**09/23/2019 11:26:00**		**09/24/2019 10:14:00**		**09/19/2019 08:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor								
Units								
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Wet Chemistry								
Cr (VI) - mg/Kg	110	1	ND	U	ND	U	ND	U
Cyanide, Total - mg/Kg	27	27	ND	U	ND	U	ND	U

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-14 SS 14-18'**		**RI-15 SS 18-20'**		**RI-16 SS 22-24'**	
Lab Sample Number			**480-159574-2**		**480-159574-1**		**480-159415-4**	
Sampling Date			**09/20/2019 09:48:00**		**09/20/2019 08:10:00**		**09/17/2019 13:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Total/NA Low**		**Total/NA Low**		**Total/NA Low**	
Metals								
Aluminum			**11000**		**12500**		**11700**	
Mercury	0.81	0.18	0.021	J	**0.29**		**0.073**	
Antimony			1.5	J F1	3.4	J	ND	U
Arsenic	16	13	**3.8**		**2.4**		**4.5**	
Barium	400	350	**117**	F1	**93.7**		**71.2**	
Beryllium	72	7.2	**0.57**		**0.74**		**0.58**	
Cadmium	4.3	2.5	0.063	J	**0.73**		ND	U
Calcium			**5430**	F2 F1	**3440**		**2180**	B
Chromium	180	30	**14.9**		**16.9**		**14.1**	
Cobalt			**8.2**		**11.5**		**9.4**	
Copper	270	50	**16.2**		**31.2**		**15.8**	
Iron			**19500**		**38900**		**24600**	
Lead	400	63	**18.3**		**107**		**20.4**	
Magnesium			**3910**	F1	**5270**		**3750**	B
Manganese	2000	1600	**457**	F2 B	**381**	B	**600**	B
Nickel	310	30	**18.2**		**53.2**		**19.1**	
Potassium			**2130**	F1	**2400**		**1870**	
Selenium	180	3.9	0.45	J	ND	U	ND	U
Silver	180	2	ND	U	ND	U	ND	U
Sodium			131	J B	109	J B	120	J
Thallium			ND	U	1.6	J	ND	U
Vanadium			**17.9**		**16.8**		**18.9**	
Zinc	10000	109	**60.3**		**450**		**57.7**	
Sample ID			**RI-14 SS 14-18'**		**RI-15 SS 18-20'**		**RI-16 SS 22-24'**	
Lab Sample Number			**480-159574-2**		**480-159574-1**		**480-159415-4**	
Sampling Date			**09/20/2019 09:48:00**		**09/20/2019 08:10:00**		**09/17/2019 13:40:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor								
Units								
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Wet Chemistry								
Cr (VI) - mg/Kg	110	1	ND	U	ND	U	ND	U
Cyanide, Total - mg/Kg	27	27	ND	U F1	ND	U	ND	U H

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**RI-17 SS 18-20'**		**DUPE-3**		**DUPE-4**	
Lab Sample Number			**480-159415-5**		**480-159415-3**		**480-159499-7**	
Sampling Date			**09/17/2019 15:40:00**		**09/17/2019 00:00:00**		**09/18/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**mg/Kg**		**mg/Kg**		**mg/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Total/NA Low**		**Total/NA Low**		**Total/NA Low**	
Metals								
Aluminum			**12000**		11600		**9240**	
Mercury	0.81	0.18	**0.044**		0.029		**1.0**	
Antimony			ND	U	ND	U	ND	U
Arsenic	16	13	**4.1**		2.5		**8.1**	
Barium	400	350	**95.3**		86.4		**160**	
Beryllium	72	7.2	**0.70**		0.64		**0.52**	
Cadmium	4.3	2.5	ND	U	ND	U	**0.65**	
Calcium			**1990**	B	1560	B	**6890**	B
Chromium	180	30	**14.6**		**14.2**		**13.2**	
Cobalt			**11.1**		9.2		**6.3**	
Copper	270	50	**16.0**		14.7		**159**	
Iron			**20100**		21400		**30600**	
Lead	400	63	**12.5**		14.5		**496**	
Magnesium			**4340**	B	4200	B	**2100**	
Manganese	2000	1600	**283**	B	373	B	**538**	B
Nickel	310	30	**20.1**		18.6		**13.5**	
Potassium			**2300**		2170		**1640**	
Selenium	180	3.9	ND	U	ND	U	ND	U
Silver	180	2	ND	U	ND	U	ND	U
Sodium			**63.8**	J	73.5	J	**329**	
Thallium			ND	U	ND	U	ND	U
Vanadium			**18.8**		17.5		**22.5**	
Zinc	10000	109	**55.8**		105		**991**	
Sample ID			**RI-17 SS 18-20'**		**DUPE-3**		**DUPE-4**	
Lab Sample Number			**480-159415-5**		**480-159415-3**		**480-159499-7**	
Sampling Date			**09/17/2019 15:40:00**		**09/17/2019 00:00:00**		**09/18/2019 00:00:00**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor								
Units								
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Wet Chemistry								
Cr (VI) - mg/Kg	110	1	ND	U	ND	U	ND	U
Cyanide, Total - mg/Kg	27	27	ND	U H	ND	U H	ND	U F1

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**SRI-4 FILL MATERIAL**		**SRI-4 NATIVE MATERIAL**		**SRI-5 FILL MATERIAL**	
Lab Sample Number			**70134921001**		**70134921002**		**70134921003**	
Sampling Date			**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Metals								
Aluminum			2000		16600		6170	
Mercury	0.81	0.18	0.27		ND	U	0.18	
Antimony			ND	U	ND	U	ND	U
Arsenic	16	13	3.8		7.3		6.1	
Barium	400	350	18.9		113		42.0	
Beryllium	72	7.2	ND	U	0.81		0.26	
Cadmium	4.3	2.5	ND	U	ND	U	ND	U
Calcium			1220		24300		2900	
Chromium	180	30	7.4		20.1		24.6	
Cobalt			3.4		15.8		21.4	
Copper	270	50	17.1		26.9		40.1	
Iron			12800		34800		52900	
Lead	400	63	44.9		15.5		23.1	
Magnesium			452		8090		1420	
Manganese	2000	1600	257		612		1560	
Nickel	310	30	10.1		26.2		38.3	
Potassium			344		2800		885	
Selenium	180	3.9	ND	U	ND	U	ND	U
Silver	180	2	ND	U	ND	U	ND	U
Sodium			ND	U	ND	U	ND	U
Thallium			ND	U	ND	U	ND	U
Vanadium			8.1		26.6		25.7	
Zinc	10000	109	49.8		68.7		35.1	
Sample ID			**SRI-4 FILL MATERIAL**		**SRI-4 NATIVE MATERIAL**		**SRI-5 FILL MATERIAL**	
Lab Sample Number			**70134921001**		**70134921002**		**70134921003**	
Sampling Date			**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**	
Dilution Factor			**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**	
Wet Chemistry								
Cr (VI) - mg/Kg	110	1	-	-	-	-	-	-
Cyanide, Total - mg/Kg	27	27	-	-	-	-	-	-

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**SRI-5 NATIVE MATERIAL**			**SRI-3 FILL MATERIAL**			**SRI-3 NATIVE MATERIAL**		
Lab Sample Number			**70134921004**			**70134921005**			**70134921006**		
Sampling Date			**6/16/2020**			**6/16/2020**			**6/16/2020**		
Matrix			**Solid**			**Solid**			**Solid**		
Dilution Factor			**1**			**1**			**1**		
Units			**ug/Kg**			**ug/Kg**			**ug/Kg**		
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**			**Low**			**Low**		
Metals											
Aluminum			801			6710			9780		
Mercury	0.81	0.18	0.22			0.079			0.091		
Antimony			ND	U		ND	U		ND	U	
Arsenic	16	13	ND	**U**		8.5			6.0		
Barium	400	350	12.8			38.4			72.0		
Beryllium	72	7.2	ND	**U**		0.29			0.46		
Cadmium	4.3	2.5	ND	U		ND	U		ND	U	
Calcium			835			2040			2700		
Chromium	180	30	1.5			31.7			17.0		
Cobalt			1.1			12.0			14.6		
Copper	270	50	11.4			37.5			21.2		
Iron			1950			63300			68500		
Lead	400	63	14.6			11.1			16.4		
Magnesium			244			951			2520		
Manganese	2000	1600	72.4			752			419		
Nickel	310	30	ND	**U**		18.4			29.1		
Potassium			218			1030			1350		
Selenium	180	3.9	ND	U		ND	U		ND	U	
Silver	180	2	ND	U		ND	U		ND	U	
Sodium			ND	**U**		ND	U		ND	U	
Thallium			ND	U		ND	U		ND	U	
Vanadium			1.5			30.8			20.3		
Zinc	10000	109	14.3			34.8			53.0		
Sample ID			**SRI-5 NATIVE MATERIAL**			**SRI-3 FILL MATERIAL**			**SRI-3 NATIVE MATERIAL**		
Lab Sample Number			**70134921004**			**70134921005**			**70134921006**		
Sampling Date			**6/16/2020**			**6/16/2020**			**6/16/2020**		
Matrix			**Solid**			**Solid**			**Solid**		
Dilution Factor			**1**			**1**			**1**		
Units			**ug/Kg**			**ug/Kg**			**ug/Kg**		
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**			**Low**			**Low**		
Wet Chemistry											
Cr (VI) - mg/Kg	110	1	-	-		-	-		-	-	
Cyanide, Total - mg/Kg	27	27	-	-		-	-		-	-	

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID			**SRI-2 0-3'**		**SRI-2 3-6'**		**SRI-2 6-9'**		**SRI-2 9-12'**	
Lab Sample Number			**70134921008**		**70134921009**		**70134921010**		**70134921011**	
Sampling Date			**43998**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**4**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**		**Low**	
Metals										
Aluminum			6840		3990		15200		7280	
Mercury	0.81	0.18	0.15		0.12		0.041		0.13	
Antimony			ND	U	ND	U	ND	U	ND	U
Arsenic	16	13	8.1		4.9		4.6		7.9	
Barium	400	350	58.5		30.0		82.7		63.5	
Beryllium	72	7.2	0.37		0.23		0.80		0.40	
Cadmium	4.3	2.5	0.55		0.37		ND	U	0.53	
Calcium			8330		2080		28600		8710	
Chromium	180	30	13.0		5.6		18.0		15.6	
Cobalt			7.2		4.5		13.7		6.6	
Copper	270	50	39.1		16.5		21.8		46.2	
Iron			23100		16800		33000		24100	
Lead	400	63	148		122		13.7		135	
Magnesium			2470		1030		7280		3170	
Manganese	2000	1600	627		340		425		332	
Nickel	310	30	14.6		8.6		21.9		15.4	
Potassium			929		490		2860		1070	
Selenium	180	3.9	ND	U	ND	U	ND	U	ND	U
Silver	180	2	ND	U	ND	U	ND	U	ND	U
Sodium			ND	U	ND	U	ND	U	ND	U
Thallium			ND	U	ND	U	ND	U	ND	U
Vanadium			23.8		14.3		27.7		24.1	
Zinc	10000	109	153		71.1		87.2		153	
Sample ID			**SRI-2 0-3'**		**SRI-2 3-6'**		**SRI-2 6-9'**		**SRI-2 9-12'**	
Lab Sample Number			**70134921008**		**70134921009**		**70134921010**		**70134921011**	
Sampling Date			**43998**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix			**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor			**4**		**1**		**1**		**1**	
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**		**Low**	
Wet Chemistry										
Cr (VI) - mg/Kg	110	1	-	-	-	-	-	-	-	-
Cyanide, Total - mg/Kg	27	27	-	-	-	-	-	-	-	-

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS											
Sample ID			**SRI-2 12-15'**		**SRI-2 COMP**		**SRI-1 0-3'**		**SRI-1 3-6'**		**SRI-1 6-9'**
Lab Sample Number			**70134921012**		**70134921013**		**70134921014**		**70134921015**		**70134921016**
Sampling Date			**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**
Dilution Factor			**1**		**1**		**1**		**1**		**1**
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**		**Low**		**Low**
Metals											
Aluminum			10500		-		3370		5540		478
Mercury	0.81	0.18	0.058		-		0.13		ND	U	0.13
Antimony			ND	U	-		ND	U	ND	U	ND
Arsenic	16	13	7.6		-		3.7		3.4		ND
Barium	400	350	66.8		-		55.3		75.2		6.1
Beryllium	72	7.2	0.60		-		ND	U	0.29		ND
Cadmium	4.3	2.5	ND	U	-		ND	U	ND	U	ND
Calcium			13500		-		142000		1350		2860
Chromium	180	30	15.5		-		6.8		8.5		ND
Cobalt			10.7		-		3.3		7.9		ND
Copper	270	50	30.8		-		19.1		12.8		2.2
Iron			26400		-		9770		12000		748
Lead	400	63	48.7		-		26.5		32.4		3.2
Magnesium			5470		-		55600		1110		225
Manganese	2000	1600	475		-		922		218		19.1
Nickel	310	30	19.1		-		6.5		10.5		ND
Potassium			1640		-		722		754		113
Selenium	180	3.9	ND	U	-		ND	U	ND	U	ND
Silver	180	2	ND	U	-		ND	U	ND	U	ND
Sodium			ND	U	-		ND	U	ND	U	ND
Thallium			ND	U	-		ND	U	ND	U	ND
Vanadium			19.6		-		10.0		21.2		1.2
Zinc	10000	109	112		-		41.4		33.0		5.6
Sample ID			**SRI-2 12-15'**		**SRI-2 COMP**		**SRI-1 0-3'**		**SRI-1 3-6'**		**SRI-1 6-9'**
Lab Sample Number			**70134921012**		**70134921013**		**70134921014**		**70134921015**		**70134921016**
Sampling Date			**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**
Matrix			**Solid**		**Solid**		**Solid**		**Solid**		**Solid**
Dilution Factor			**1**		**1**		**1**		**1**		**1**
Units			**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**	**Low**		**Low**		**Low**		**Low**		**Low**
Wet Chemistry											
Cr (VI) - mg/Kg	110	1	-	-	-	-	-	-	-	-	-
Cyanide, Total - mg/Kg	27	27	-	-	-	-	-	-	-	-	-

Poestenkill Place - Brownfield Cleanup Project
City of Troy, NY - 244-246 First Street
NYSDEC Site No. C442058, B&L 2248.001

TABLE 4
SUBSURFACE SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID				**SRI-1 9-12'**		**SRI-1 12-15'**		**SRI-1 COMP**		**DUPE X**	
Lab Sample Number				**70134921017**		**70134921018**		**70134921019**		**70134921007**	
Sampling Date				**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix				**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor				**1**		**1**		**1**		**1**	
Units				**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**		**Low**		**Low**		**Low**		**Low**	
Metals											
Aluminum				10500		8890		-		156	
Mercury	0.81	0.18		0.082		0.16		-		0.18	
Antimony			U	ND	U	ND	U	-		ND	U
Arsenic	16	13	U	6.7		4.9		-		ND	U
Barium	400	350		143		76.8		-		ND	U
Beryllium	72	7.2	U	0.50		0.45		-		ND	U
Cadmium	4.3	2.5	U	ND	U	ND	U	-		ND	U
Calcium				70000		22100		-		ND	U
Chromium	180	30	U	16.3		16.1		-		ND	U
Cobalt			U	10.2		7.8		-		ND	U
Copper	270	50		32.3		36.5		-		ND	U
Iron				37800		26100		-		818	
Lead	400	63		53.0		51.9		-		2.0	
Magnesium				5680		4150		-		ND	U
Manganese	2000	1600		2310		479		-		62.4	
Nickel	310	30	U	17.9		14.2		-		ND	U
Potassium				1170		1170		-		ND	U
Selenium	180	3.9	U	ND	U	ND	U	-		ND	U
Silver	180	2	U	ND	U	ND	U	-		ND	U
Sodium			U	ND	U	ND	U	-		ND	U
Thallium			U	ND	U	ND	U	-		ND	U
Vanadium				22.8		20.3		-		ND	U
Zinc	10000	109		91.7		84.1		-		ND	U
Sample ID				**SRI-1 9-12'**		**SRI-1 12-15'**		**SRI-1 COMP**		**DUPE X**	
Lab Sample Number				**70134921017**		**70134921018**		**70134921019**		**70134921007**	
Sampling Date				**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix				**Solid**		**Solid**		**Solid**		**Solid**	
Dilution Factor				**1**		**1**		**1**		**1**	
Units				**ug/Kg**		**ug/Kg**		**ug/Kg**		**ug/Kg**	
	Part 375-6.8b Restricted Res	**Part 375-6.8a Unrestricted**		**Low**		**Low**		**Low**		**Low**	
Wet Chemistry											
Cr (VI) - mg/Kg	110	1	-	-	-	-	-	-	-	-	-
Cyanide, Total - mg/Kg	27	27	-	-	-	-	-	-	-	-	-

TABLE 5
Groundwater Sample Data

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**RI-1**		**RI-2**		**RI-3**	
Lab Sample Number		**480-159838-8**		**480-159838-7**		**480-159935-5**	
Sampling Date		**09/26/2019 16:12:00**		**09/26/2019 15:16:00**		**09/30/2019 13:30:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**2**	
Units		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
Volatiles - 8260C							
1,1,1-Trichloroethane	5	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	5	ND	U	ND	U	ND	U
1,1,2-Trichloroethane	1	ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND	U	ND	U	ND	U
1,1-Dichloroethane	5	ND	U	ND	U	ND	U
1,1-Dichloroethene	5	ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	5	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane	0.04	ND	U	ND	U	ND	U
1,2-Dichlorobenzene	3	ND	U	ND	U	ND	U
1,2-Dichloroethane	0.6	ND	U	ND	U	ND	U
1,2-Dichloropropane	5	ND	U	ND	U	ND	U
1,3-Dichlorobenzene	3	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	3	ND	U	ND	U	ND	U
2-Hexanone	50	ND	U	ND	U	ND	U
2-Butanone (MEK)	50	ND	U	ND	U	ND	U
4-Methyl-2-pentanone (MIBK)		ND	U	ND	U	ND	U
Acetone	50	ND	U	ND	U	ND	U
Benzene	1	ND	U	ND	U	ND	U
Bromodichloromethane	50	ND	U	ND	U	**7.0**	
Bromoform	50	ND	U	ND	U	ND	U
Bromomethane	5	ND	U	ND	U	ND	U
Carbon disulfide	60	ND	U	ND	U	ND	U
Carbon tetrachloride	5	ND	U	ND	U	ND	U
Chlorobenzene	5	ND	U	ND	U	ND	U
Dibromochloromethane	50	ND	U	ND	U	ND	U
Chloroethane	5	ND	U	ND	U	ND	U
Chloroform	7	ND	U	ND	U	ND	U *
Chloromethane	5	ND	U	**2.1**		ND	U
cis-1,2-Dichloroethene		ND	U	ND	U	ND	U
cis-1,3-Dichloropropene		ND	U	ND	U	ND	U
Cyclohexane		ND	U	ND	U	ND	U
Dichlorodifluoromethane	5	ND	U	ND	U	ND	U
1,2-Dibromoethane	0.0006	ND	U	ND	U	ND	U
Ethylbenzene	5	ND	U	ND	U	**6.2**	
Isopropylbenzene	5	ND	U	ND	U	**70**	
Methyl acetate		ND	U	ND	U	ND	U
Methyl tert-butyl ether	10	ND	U	ND	U	ND	U
Methylcyclohexane		ND	U	ND	U	**39**	
Methylene Chloride	5	ND	U	ND	U	**4.1**	
Styrene	5	ND	U	ND	U	ND	U
Tetrachloroethene	5	ND	U	ND	U	ND	U
Toluene	5	ND	U	ND	U	**2.2**	
trans-1,2-Dichloroethene	5	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene		ND	U	ND	U	ND	U
Trichloroethene	5	ND	U	ND	U	ND	U
Trichlorofluoromethane	5	ND	U	ND	U	ND	U
Vinyl chloride	2	ND	U	ND	U	ND	U
Xylenes, Total	5	ND	U	ND	U	**80**	
Total Conc				2.1		208.5	

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**RI-4**		**RI-5**		**RI-6**	
Lab Sample Number		**480-159935-3**		**480-159935-1**		**480-159935-7**	
Sampling Date		**09/30/2019 12:23:00**		**09/30/2019 10:05:00**		**09/30/2019 15:27:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
Volatiles - 8260C							
1,1,1-Trichloroethane	5	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	5	ND	U	ND	U	ND	U
1,1,2-Trichloroethane	1	ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND	U	ND	U	ND	U
1,1-Dichloroethane	5	ND	U	ND	U	ND	U
1,1-Dichloroethene	5	ND	U F2	ND	U	ND	U
1,2,4-Trichlorobenzene	5	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane	0.04	ND	U F2	ND	U	ND	U
1,2-Dichlorobenzene	3	ND	U	ND	U	ND	U
1,2-Dichloroethane	0.6	ND	U	ND	U	ND	U
1,2-Dichloropropane	5	ND	U	ND	U	ND	U
1,3-Dichlorobenzene	3	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	3	ND	U	ND	U	ND	U
2-Hexanone	50	ND	U	ND	U	ND	U
2-Butanone (MEK)	50	ND	U F1 F2	ND	U	ND	U
4-Methyl-2-pentanone (MIBK)		ND	U	ND	U	ND	U
Acetone	50	ND	U	ND	U	ND	U
Benzene	1	ND	U F2	ND	U	ND	U
Bromodichloromethane	50	ND	U	ND	U	ND	U
Bromoform	50	ND	U	ND	U	ND	U
Bromomethane	5	ND	U	ND	U	ND	U
Carbon disulfide	60	ND	U	ND	U	ND	U
Carbon tetrachloride	5	ND	U F2	ND	U	ND	U
Chlorobenzene	5	ND	U	ND	U	ND	U
Dibromochloromethane	50	ND	U	ND	U	ND	U
Chloroethane	5	ND	U F2	ND	U	ND	U
Chloroform	7	ND	U *	ND	U *	ND	U *
Chloromethane	5	ND	U	ND	U	ND	U
cis-1,2-Dichloroethene		ND	U F2	ND	U	ND	U
cis-1,3-Dichloropropene		ND	U	ND	U	ND	U
Cyclohexane		ND	U	ND	U	ND	U
Dichlorodifluoromethane	5	ND	U	ND	U	ND	U
1,2-Dibromoethane	0.0006	ND	U	ND	U	ND	U
Ethylbenzene	5	ND	U	ND	U	ND	U
Isopropylbenzene	5	ND	U	ND	U	ND	U
Methyl acetate		ND	U F2	ND	U	ND	U
Methyl tert-butyl ether	10	ND	U	ND	U	ND	U
Methylcyclohexane		ND	U	ND	U	ND	U
Methylene Chloride	5	ND	U	ND	U	ND	U
Styrene	5	ND	U	ND	U	ND	U
Tetrachloroethene	5	ND	U	ND	U	ND	U
Toluene	5	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	5	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene		ND	U	ND	U	ND	U
Trichloroethene	5	ND	U	ND	U	ND	U
Trichlorofluoromethane	5	ND	U	ND	U	ND	U
Vinyl chloride	2	ND	U	ND	U	ND	U
Xylenes, Total	5	ND	U	ND	U	ND	U
Total Conc							

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**RI-12**		**RI-14**		**RI-16**	
Lab Sample Number		**480-159935-2**		**480-159838-6**		**480-159935-6**	
Sampling Date		**09/30/2019 11:10:00**		**09/26/2019 14:06:00**		**09/30/2019 14:23:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
Volatiles - 8260C							
1,1,1-Trichloroethane	5	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	5	ND	U	ND	U	ND	U
1,1,2-Trichloroethane	1	ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND	U	ND	U	ND	U
1,1-Dichloroethane	5	ND	U	ND	U	ND	U
1,1-Dichloroethene	5	ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	5	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane	0.04	ND	U	ND	U	ND	U
1,2-Dichlorobenzene	3	ND	U	ND	U	ND	U
1,2-Dichloroethane	0.6	ND	U	ND	U	ND	U
1,2-Dichloropropane	5	ND	U	ND	U	ND	U
1,3-Dichlorobenzene	3	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	3	ND	U	ND	U	ND	U
2-Hexanone	50	ND	U	ND	U	ND	U
2-Butanone (MEK)	50	ND	U	ND	U	ND	U
4-Methyl-2-pentanone (MIBK)		ND	U	ND	U	ND	U
Acetone	50	ND	U	ND	U	ND	U
Benzene	1	ND	U	ND	U	ND	U
Bromodichloromethane	50	ND	U	ND	U	ND	U
Bromoform	50	ND	U	ND	U	ND	U
Bromomethane	5	ND	U	ND	U	ND	U
Carbon disulfide	60	ND	U	ND	U	ND	U
Carbon tetrachloride	5	ND	U	ND	U	ND	U
Chlorobenzene	5	ND	U	ND	U	ND	U
Dibromochloromethane	50	ND	U	ND	U	ND	U
Chloroethane	5	ND	U	ND	U	ND	U
Chloroform	7	ND	U *	ND	U	ND	U *
Chloromethane	5	ND	U	ND	U	ND	U
cis-1,2-Dichloroethene		ND	U	ND	U	ND	U
cis-1,3-Dichloropropene		ND	U	ND	U	ND	U
Cyclohexane		ND	U	ND	U	ND	U
Dichlorodifluoromethane	5	ND	U	ND	U	ND	U
1,2-Dibromoethane	0.0006	ND	U	ND	U	ND	U
Ethylbenzene	5	ND	U	ND	U	ND	U
Isopropylbenzene	5	ND	U	ND	U	0.87	J
Methyl acetate		ND	U	ND	U	ND	U
Methyl tert-butyl ether	10	0.20	J	ND	U	ND	U
Methylcyclohexane		ND	U	ND	U	ND	U
Methylene Chloride	5	ND	U	ND	U	ND	U
Styrene	5	ND	U	ND	U	ND	U
Tetrachloroethene	5	ND	U	ND	U	ND	U
Toluene	5	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	5	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene		ND	U	ND	U	ND	U
Trichloroethene	5	ND	U	ND	U	ND	U
Trichlorofluoromethane	5	ND	U	ND	U	ND	U
Vinyl chloride	2	ND	U	ND	U	ND	U
Xylenes, Total	5	ND	U	ND	U	0.68	J
Total Conc		0.2				1.55	

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS									
Sample ID		**DUPE-6**		**SRI-4**		**SRI-5**		**DUPE-X**	
Lab Sample Number		**480-159935-4**		**70135395004**		**70135395003**		**70135395002**	
Sampling Date		**09/30/2019 11:10:00**		**6/19/2020**		**6/19/2020**		**6/19/2020**	
Matrix		**Water**		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**		**Low**	
Volatiles - 8260C									
1,1,1-Trichloroethane	5	ND	U	ND	U	ND	U	ND	U
1,1,2,2-Tetrachloroethane	5	ND	U	ND	U	ND	U	ND	U
1,1,2-Trichloroethane	1	ND	U	ND	U	ND	U	ND	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND	U	ND	U	ND	U	ND	U
1,1-Dichloroethane	5	ND	U	ND	U	ND	U	ND	U
1,1-Dichloroethene	5	ND	U	ND	U	ND	U	ND	U
1,2,4-Trichlorobenzene	5	ND	U	ND	U	ND	U	ND	U
1,2-Dibromo-3-Chloropropane	0.04	ND	U	ND	U	ND	U	ND	U
1,2-Dichlorobenzene	3	ND	U	ND	U	ND	U	ND	U
1,2-Dichloroethane	0.6	ND	U	ND	U	ND	U	ND	U
1,2-Dichloropropane	5	ND	U	ND	U	ND	U	ND	U
1,3-Dichlorobenzene	3	ND	U	ND	U	ND	U	ND	U
1,4-Dichlorobenzene	3	ND	U	ND	U	ND	U	ND	U
2-Hexanone	50	ND	U	ND	U	ND	U	ND	U
2-Butanone (MEK)	50	ND	U	ND	U	ND	U	ND	U
4-Methyl-2-pentanone (MIBK)		ND	U	ND	U	ND	U	ND	U
Acetone	50	ND	U	ND	U	ND	U	ND	U
Benzene	1	ND	U	ND	U	ND	U	ND	U
Bromodichloromethane	50	ND	U	ND	U	ND	U	ND	U
Bromoform	50	ND	U	ND	U	ND	U	ND	U
Bromomethane	5	ND	U	ND	U	ND	U	ND	U
Carbon disulfide	60	ND	U	ND	U	ND	U	ND	U
Carbon tetrachloride	5	ND	U	ND	U	ND	U	ND	U
Chlorobenzene	5	ND	U	ND	U	ND	U	ND	U
Dibromochloromethane	50	ND	U	ND	U	ND	U	ND	U
Chloroethane	5	ND	U	ND	U	ND	U	ND	U
Chloroform	7	ND	U *	ND	U	ND	U	ND	U
Chloromethane	5	ND	U	ND	U	ND	U	ND	U
cis-1,2-Dichloroethene		ND	U	ND	U	ND	U	ND	U
cis-1,3-Dichloropropene		ND	U	ND	U	ND	U	ND	U
Cyclohexane		ND	U	ND	U	ND	U	ND	U
Dichlorodifluoromethane	5	ND	U	ND	U	ND	U	ND	U
1,2-Dibromoethane	0.0006	ND	U	ND	U	ND	U	ND	U
Ethylbenzene	5	ND	U	ND	U	ND	U	ND	U
Isopropylbenzene	5	ND	U	ND	U	ND	U	ND	U
Methyl acetate		ND	U	ND	U	ND	U	ND	U
Methyl tert-butyl ether	10	0.17	J	ND	U	ND	U	ND	U
Methylcyclohexane		ND	U	ND	U	ND	U	ND	U
Methylene Chloride	5	ND	U	ND	U	ND	U	ND	U
Styrene	5	ND	U	ND	U	ND	U	ND	U
Tetrachloroethene	5	ND	U	ND	U	ND	U	ND	U
Toluene	5	ND	U	ND	U	ND	U	ND	U
trans-1,2-Dichloroethene	5	ND	U	ND	U	ND	U	ND	U
trans-1,3-Dichloropropene		ND	U	ND	U	ND	U	ND	U
Trichloroethene	5	ND	U	ND	U	ND	U	ND	U
Trichlorofluoromethane	5	ND	U	ND	U	ND	U	ND	U
Vinyl chloride	2	ND	U	ND	U	ND	U	ND	U
Xylenes, Total	5	ND	U	ND	U	ND	U	ND	U
Total Conc		0.17							

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**RI-1**		**RI-2**		**RI-3**	
Lab Sample Number		**480-159838-8**		**480-159838-7**		**480-159935-5**	
Sampling Date		**09/26/2019 16:12:00**		**09/26/2019 15:16:00**		**09/30/2019 13:30:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
Semivolatiles - 8270D							
Biphenyl	5	ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether		ND	U	ND	U	ND	U
2,4,5-Trichlorophenol		ND	U	ND	U	ND	U
2,4,6-Trichlorophenol		ND	U	ND	U	ND	U
2,4-Dichlorophenol		ND	U	ND	U	ND	U
2,4-Dimethylphenol		ND	U	ND	U	ND	U
2,4-Dinitrophenol		ND	U	ND	U	ND	U
2,4-Dinitrotoluene	5	ND	U	ND	U	ND	U
2,6-Dinitrotoluene	5	ND	U	ND	U	ND	U
2-Chloronaphthalene	10	ND	U	ND	U	ND	U
2-Chlorophenol		ND	U	ND	U	ND	U
2-Methylnaphthalene		ND	U	ND	U	**8.1**	
2-Methylphenol		ND	U	ND	U	ND	U
2-Nitroaniline	5	ND	U	ND	U	ND	U
2-Nitrophenol		ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine	5	ND	U	ND	U	ND	U
3-Nitroaniline	5	ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol		ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether		ND	U	ND	U	ND	U
4-Chloro-3-methylphenol		ND	U	ND	U	ND	U
4-Chloroaniline	5	ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether		ND	U	ND	U	ND	U
4-Methylphenol		ND	U	ND	U	ND	U
4-Nitroaniline	5	ND	U	ND	U	ND	U
4-Nitrophenol		ND	U	ND	U	ND	U
Acenaphthene	20	ND	U	ND	U	ND	U
Acenaphthylene		ND	U	ND	U	ND	U
Acetophenone		ND	U	ND	U	ND	U
Anthracene	50	ND	U	ND	U	ND	U
Atrazine	7.5	ND	U	ND	U	ND	U
Benzaldehyde		ND	U	ND	U	ND	U
Benzo[a]anthracene	0.002	ND	U	ND	U	ND	U
Benzo[a]pyrene		ND	U	ND	U	ND	U
Benzo[b]fluoranthene	0.002	ND	U	ND	U	ND	U
Benzo[g,h,i]perylene		ND	U	ND	U	ND	U
Benzo[k]fluoranthene	0.002	ND	U	ND	U	ND	U
Bis(2-chloroethoxy)methane	5	ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether	5	ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate	5	ND	U	ND	U	ND	U
Butyl benzyl phthalate	50	ND	U	ND	U	ND	U
Caprolactam		ND	U	ND	U	ND	U
Carbazole		ND	U	ND	U	0.76	J
Chrysene	0.002	ND	U	ND	U	ND	U
Di-n-butyl phthalate	50	ND	U	ND	U	ND	U
Di-n-octyl phthalate	50	ND	U	ND	U	ND	U
Dibenz(a,h)anthracene		ND	U	ND	U	ND	U
Dibenzofuran		ND	U	ND	U	ND	U
Diethyl phthalate	50	ND	U	ND	U	ND	U
Dimethyl phthalate	50	ND	U	ND	U	ND	U
Fluoranthene	50	ND	U	ND	U	0.52	J
Fluorene	50	ND	U	ND	U	0.52	J
Hexachlorobenzene	0.04	ND	U	ND	U	ND	U
Hexachlorobutadiene	0.5	ND	U	ND	U	ND	U
Hexachlorocyclopentadiene	5	ND	U	ND	U	ND	U
Hexachloroethane	5	ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	0.002	ND	U	ND	U	ND	U
Isophorone	50	ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine		ND	U	ND	U	ND	U
N-Nitrosodiphenylamine	50	ND	U	ND	U	ND	U
Naphthalene	10	ND	U	ND	U	**10**	
Nitrobenzene	0.4	ND	U	ND	U	ND	U
Pentachlorophenol		ND	U	ND	U	ND	U
Phenanthrene	50	ND	U	ND	U	1.5	J
Phenol		ND	U	ND	U	ND	U
Pyrene	50	ND	U	ND	U	ND	U
1,4-Dioxane	50**	ND	U	ND	U	ND	U
Total Conc						21.4	

** 1,4-Dioxane compared to the NY State Maximum Concentration of Contaminants for the Toxicity Characteristic

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**RI-4**		**RI-5**		**RI-6**	
Lab Sample Number		**480-159935-3**		**480-159935-1**		**480-159935-7**	
Sampling Date		**09/30/2019 12:23:00**		**09/30/2019 10:05:00**		**09/30/2019 15:27:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
Semivolatiles - 8270D							
Biphenyl	5	ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether		ND	U	ND	U	ND	U
2,4,5-Trichlorophenol		ND	U	ND	U	ND	U
2,4,6-Trichlorophenol		ND	U	ND	U	ND	U
2,4-Dichlorophenol		ND	U	ND	U	ND	U
2,4-Dimethylphenol		ND	U	ND	U	ND	U
2,4-Dinitrophenol		ND	U	ND	U	ND	U
2,4-Dinitrotoluene	5	ND	U	ND	U	ND	U
2,6-Dinitrotoluene	5	ND	U	ND	U	ND	U
2-Chloronaphthalene	10	ND	U	ND	U	ND	U
2-Chlorophenol		ND	U	ND	U	ND	U
2-Methylnaphthalene		ND	U	ND	U	ND	U
2-Methylphenol		ND	U	ND	U	ND	U
2-Nitroaniline	5	ND	U	ND	U	ND	U
2-Nitrophenol		ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine	5	ND	U	ND	U	ND	U
3-Nitroaniline	5	ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol		ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether		ND	U	ND	U	ND	U
4-Chloro-3-methylphenol		ND	U	ND	U	ND	U
4-Chloroaniline	5	ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether		ND	U	ND	U	ND	U
4-Methylphenol		ND	U	ND	U	ND	U
4-Nitroaniline	5	ND	U	ND	U	ND	U
4-Nitrophenol		ND	U	ND	U	ND	U
Acenaphthene	20	ND	U	0.42	J	ND	U
Acenaphthylene		ND	U	ND	U	ND	U
Acetophenone		ND	U	ND	U	ND	U
Anthracene	50	ND	U	ND	U	ND	U
Atrazine	7.5	ND	U	ND	U	ND	U
Benzaldehyde		ND	U	ND	U	ND	U
Benzo[a]anthracene	0.002	ND	U	ND	U	ND	U
Benzo[a]pyrene		ND	U	ND	U	ND	U
Benzo[b]fluoranthene	0.002	ND	U	ND	U	ND	U
Benzo[g,h,i]perylene		ND	U	ND	U	ND	U
Benzo[k]fluoranthene	0.002	ND	U	ND	U	ND	U
Bis(2-chloroethoxy)methane	5	ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether	5	ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate	5	ND	U	ND	U	ND	U
Butyl benzyl phthalate	50	ND	U	ND	U	ND	U
Caprolactam		ND	U	ND	U	ND	U
Carbazole		ND	U	ND	U	ND	U
Chrysene	0.002	ND	U	ND	U	ND	U
Di-n-butyl phthalate	50	ND	U	ND	U	ND	U
Di-n-octyl phthalate	50	ND	U	ND	U	ND	U
Dibenz(a,h)anthracene		ND	U	ND	U	ND	U
Dibenzofuran		ND	U	ND	U	ND	U
Diethyl phthalate	50	ND	U	ND	U	ND	U
Dimethyl phthalate	50	ND	U	ND	U	ND	U
Fluoranthene	50	ND	U	ND	U	ND	U
Fluorene	50	ND	U	ND	U	ND	U
Hexachlorobenzene	0.04	ND	U	ND	U	ND	U
Hexachlorobutadiene	0.5	ND	U	ND	U	ND	U
Hexachlorocyclopentadiene	5	ND	U	ND	U	ND	U
Hexachloroethane	5	ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	0.002	ND	U	ND	U	ND	U
Isophorone	50	ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine		ND	U	ND	U	ND	U
N-Nitrosodiphenylamine	50	ND	U	ND	U	ND	U
Naphthalene	10	ND	U	ND	U	0.96	J
Nitrobenzene	0.4	ND	U	ND	U	ND	U
Pentachlorophenol		ND	U	ND	U	ND	U
Phenanthrene	50	ND	U	ND	U	0.84	J
Phenol		ND	U	ND	U	ND	U
Pyrene	50	ND	U	ND	U	ND	U
1,4-Dioxane	50**	NR		ND	U	ND	U
Total Conc				0.42		1.8	

** 1,4-Dioxane compared to the NY State Maximum Concentration of Cont

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		RI-12		RI-14		RI-16	
Lab Sample Number		480-159935-2		480-159838-6		480-159935-6	
Sampling Date		09/30/2019 11:10:00		09/26/2019 14:06:00		09/30/2019 14:23:00	
Matrix		Water		Water		Water	
Dilution Factor		1		1		1	
Units		ug/L		ug/L		ug/L	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	Low		Low		Low	
Semivolatiles - 8270D							
Biphenyl	5	ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether		ND	U	ND	U	ND	U
2,4,5-Trichlorophenol		ND	U	ND	U	ND	U
2,4,6-Trichlorophenol		ND	U	ND	U	ND	U
2,4-Dichlorophenol		ND	U	ND	U	ND	U
2,4-Dimethylphenol		ND	U	ND	U	ND	U
2,4-Dinitrophenol		ND	U	ND	U	ND	U
2,4-Dinitrotoluene	5	ND	U	ND	U	ND	U
2,6-Dinitrotoluene	5	ND	U	ND	U	ND	U
2-Chloronaphthalene	10	ND	U	ND	U	ND	U
2-Chlorophenol		ND	U	ND	U	ND	U
2-Methylnaphthalene		ND	U	ND	U	ND	U
2-Methylphenol		ND	U	ND	U	ND	U
2-Nitroaniline	5	ND	U	ND	U	ND	U
2-Nitrophenol		ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine	5	ND	U	ND	U	ND	U
3-Nitroaniline	5	ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol		ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether		ND	U	ND	U	ND	U
4-Chloro-3-methylphenol		ND	U	ND	U	ND	U
4-Chloroaniline	5	ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether		ND	U	ND	U	ND	U
4-Methylphenol		ND	U	ND	U	ND	U
4-Nitroaniline	5	ND	U	ND	U	ND	U
4-Nitrophenol		ND	U	ND	U	ND	U
Acenaphthene	20	ND	U	ND	U	0.52	J
Acenaphthylene		ND	U	ND	U	ND	U
Acetophenone		ND	U	ND	U	ND	U
Anthracene	50	ND	U	ND	U	ND	U
Atrazine	7.5	ND	U	ND	U	ND	U
Benzaldehyde		ND	U	ND	U	ND	U
Benzo[a]anthracene	0.002	ND	U	ND	U	ND	U
Benzo[a]pyrene		ND	U	ND	U	ND	U
Benzo[b]fluoranthene	0.002	ND	U	ND	U	ND	U
Benzo[g,h,i]perylene		ND	U	ND	U	ND	U
Benzo[k]fluoranthene	0.002	ND	U	ND	U	ND	U
Bis(2-chloroethoxy)methane	5	ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether	5	ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate	5	ND	U	ND	U	ND	U
Butyl benzyl phthalate	50	ND	U	ND	U	ND	U
Caprolactam		ND	U	ND	U	ND	U
Carbazole		ND	U	ND	U	ND	U
Chrysene	0.002	ND	U	ND	U	ND	U
Di-n-butyl phthalate	50	ND	U	ND	U	ND	U
Di-n-octyl phthalate	50	ND	U	ND	U	ND	U
Dibenz(a,h)anthracene		ND	U	ND	U	ND	U
Dibenzofuran		ND	U	ND	U	ND	U
Diethyl phthalate	50	ND	U	ND	U	ND	U
Dimethyl phthalate	50	ND	U	ND	U	ND	U
Fluoranthene	50	ND	U	ND	U	ND	U
Fluorene	50	ND	U	ND	U	ND	U
Hexachlorobenzene	0.04	ND	U	ND	U	ND	U
Hexachlorobutadiene	0.5	ND	U	ND	U	ND	U
Hexachlorocyclopentadiene	5	ND	U	ND	U	ND	U
Hexachloroethane	5	ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	0.002	ND	U	ND	U	ND	U
Isophorone	50	ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine		ND	U	ND	U	ND	U
N-Nitrosodiphenylamine	50	ND	U	ND	U	ND	U
Naphthalene	10	ND	U	ND	U	ND	U
Nitrobenzene	0.4	ND	U	ND	U	ND	U
Pentachlorophenol		ND	U	ND	U	ND	U
Phenanthrene	50	ND	U	ND	U	ND	U
Phenol		ND	U	ND	U	ND	U
Pyrene	50	ND	U	ND	U	ND	U
1,4-Dioxane	50**	ND	U	NR		ND	U
Total Conc						0.52	

** 1,4-Dioxane compared to the NY State Maximum Concentration of Cont

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS									
Sample ID		**DUPE-6**		**SRI-4**		**SRI-5**		**DUPE-X**	
Lab Sample Number		**480-159935-4**		**70135395004**		**70135395003**		**70135395002**	
Sampling Date		**09/30/2019 11:10:00**		**6/19/2020**		**6/19/2020**		**6/19/2020**	
Matrix		**Water**		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**		**Low**	
Semivolatiles - 8270D									
Biphenyl	5	ND	U	ND	U	ND	U	ND	U
bis (2-chloroisopropyl) ether		ND	U	ND	U	ND	U	ND	U
2,4,5-Trichlorophenol		ND	U	ND	U	ND	U	ND	U
2,4,6-Trichlorophenol		ND	U	ND	U	ND	U	ND	U
2,4-Dichlorophenol		ND	U	ND	U	ND	U	ND	U
2,4-Dimethylphenol		ND	U	ND	U	ND	U	ND	U
2,4-Dinitrophenol		ND	U	ND	U	ND	U	ND	U
2,4-Dinitrotoluene	5	ND	U	ND	U	ND	U	ND	U
2,6-Dinitrotoluene	5	ND	U	ND	U	ND	U	ND	U
2-Chloronaphthalene	10	ND	U	ND	U	ND	U	ND	U
2-Chlorophenol		ND	U	ND	U	ND	U	ND	U
2-Methylnaphthalene		ND	U	ND	U	ND	U	ND	U
2-Methylphenol		ND	U	ND	U	ND	U	ND	U
2-Nitroaniline	5	ND	U	ND	U	ND	U	ND	U
2-Nitrophenol		ND	U	ND	U	ND	U	ND	U
3,3'-Dichlorobenzidine	5	ND	U	ND	U	ND	U	ND	U
3-Nitroaniline	5	ND	U	ND	U	ND	U	ND	U
4,6-Dinitro-2-methylphenol		ND	U	ND	U	ND	U	ND	U
4-Bromophenyl phenyl ether		ND	U	ND	U	ND	U	ND	U
4-Chloro-3-methylphenol		ND	U	ND	U	ND	U	ND	U
4-Chloroaniline	5	ND	U	ND	U	ND	U	ND	U
4-Chlorophenyl phenyl ether		ND	U	ND	U	ND	U	ND	U
4-Methylphenol		ND	U	ND	U	ND	U	ND	U
4-Nitroaniline	5	ND	U	ND	U	ND	U	ND	U
4-Nitrophenol		ND	U	ND	U	ND	U	ND	U
Acenaphthene	20	ND	U	ND	U	ND	U	ND	U
Acenaphthylene		ND	U	ND	U	ND	U	ND	U
Acetophenone		ND	U	ND	U	ND	U	ND	U
Anthracene	50	ND	U	ND	U	ND	U	ND	U
Atrazine	7.5	ND	U	ND	U	ND	U	ND	U
Benzaldehyde		ND	U	ND	U	ND	U	ND	U
Benzo[a]anthracene	0.002	ND	U	ND	U	ND	U	ND	U
Benzo[a]pyrene		ND	U	ND	U	ND	U	ND	U
Benzo[b]fluoranthene	0.002	ND	U	ND	U	ND	U	ND	U
Benzo[g,h,i]perylene		ND	U	ND	U	ND	U	ND	U
Benzo[k]fluoranthene	0.002	ND	U	ND	U	ND	U	ND	U
Bis(2-chloroethoxy)methane	5	ND	U	ND	U	ND	U	ND	U
Bis(2-chloroethyl)ether	5	ND	U	ND	U	ND	U	ND	U
Bis(2-ethylhexyl) phthalate	5	ND	U	ND	U	ND	U	ND	U
Butyl benzyl phthalate	50	ND	U	ND	U	ND	U	ND	U
Caprolactam		ND	U	ND	U	ND	U	ND	U
Carbazole		ND	U	ND	U	ND	U	ND	U
Chrysene	0.002	ND	U	ND	U	ND	U	ND	U
Di-n-butyl phthalate	50	ND	U	ND	U	ND	U	ND	U
Di-n-octyl phthalate	50	ND	U	ND	U	ND	U	ND	U
Dibenz(a,h)anthracene		ND	U	ND	U	ND	U	ND	U
Dibenzofuran		ND	U	ND	U	ND	U	ND	U
Diethyl phthalate	50	ND	U	ND	U	ND	U	ND	U
Dimethyl phthalate	50	ND	U	ND	U	ND	U	ND	U
Fluoranthene	50	ND	U	ND	U	ND	U	ND	U
Fluorene	50	ND	U	ND	U	ND	U	ND	U
Hexachlorobenzene	0.04	ND	U	ND	U	ND	U	ND	U
Hexachlorobutadiene	0.5	ND	U	ND	U	ND	U	ND	U
Hexachlorocyclopentadiene	5	ND	U	ND	U	ND	U	ND	U
Hexachloroethane	5	ND	U	ND	U	ND	U	ND	U
Indeno[1,2,3-cd]pyrene	0.002	ND	U	ND	U	ND	U	ND	U
Isophorone	50	ND	U	ND	U	ND	U	ND	U
N-Nitrosodi-n-propylamine		ND	U	ND	U	ND	U	ND	U
N-Nitrosodiphenylamine	50	ND	U	ND	U	ND	U	ND	U
Naphthalene	10	ND	U	ND	U	ND	U	ND	U
Nitrobenzene	0.4	ND	U	ND	U	ND	U	ND	U
Pentachlorophenol		ND	U	ND	U	ND	U	ND	U
Phenanthrene	50	ND	U	ND	U	ND	U	ND	U
Phenol		ND	U	ND	U	ND	U	ND	U
Pyrene	50	ND	U	ND	U	ND	U	ND	U
1,4-Dioxane	50**	ND	U	ND	U	ND	U	ND	U
Total Conc									
** 1,4-Dioxane compared to the NY State Maximum Concentration of Cont									

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**RI-1**		**RI-2**		**RI-3**	
Lab Sample Number		**480-159838-8**		**480-159838-7**		**480-159935-5**	
Sampling Date		**09/26/2019 16:12:00**		**09/26/2019 15:16:00**		**09/30/2019 13:30:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B							
4,4'-DDD	0.3	ND	U	ND	U	ND	U
4,4'-DDE	0.2	ND	U	ND	U	ND	U
4,4'-DDT	0.2	ND	U	ND	U	ND	U
Aldrin		ND	U	ND	U	ND	U
alpha-BHC	0.01	0.027	J	0.031	J	ND	U
cis-Chlordane		ND	U	ND	U	ND	U
beta-BHC	0.04	ND	U	ND	U	0.17	J
delta-BHC	0.04	0.012	J	0.016	J	ND	U
Dieldrin	0.004	ND	U	ND	U	ND	U
Endosulfan I		ND	U	ND	U	ND	U *
Endosulfan II		ND	U	ND	U	ND	U
Endosulfan sulfate		ND	U	ND	U	ND	U
Endrin		ND	U	ND	U	ND	U
Endrin aldehyde	5	ND	U	ND	U	ND	U
Endrin ketone	5	ND	U	ND	U	ND	U
gamma-BHC (Lindane)	0.05	0.0083	J	ND	U	ND	U
trans-Chlordane		ND	U	ND	U	ND	U *
Heptachlor	0.04	ND	U	ND	U	ND	U
Heptachlor epoxide	0.03	ND	U	ND	U	ND	U *
Methoxychlor	35	ND	U	ND	U	ND	U
Toxaphene	0.06	ND	U	ND	U	ND	U
Sample ID		**RI-1**		**RI-2**		**RI-3**	
Lab Sample Number		**480-159838-8**		**480-159838-7**		**480-159935-5**	
Sampling Date		**09/26/2019 16:12:00**		**09/26/2019 15:16:00**		**09/30/2019 13:30:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A							
PCB-1016		ND	U	ND	U	ND	U
PCB-1221		ND	U	ND	U	ND	U
PCB-1232		ND	U	ND	U	ND	U
PCB-1242		ND	U	ND	U	ND	U
PCB-1248		ND	U	ND	U	ND	U
PCB-1254		ND	U	ND	U	ND	U
PCB-1260		ND	U	ND	U	ND	U

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**RI-4**		**RI-5**		**RI-6**	
Lab Sample Number		**480-159935-3**		**480-159935-1**		**480-159935-7**	
Sampling Date		**09/30/2019 12:23:00**		**09/30/2019 10:05:00**		**09/30/2019 15:27:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B							
4,4'-DDD	0.3	ND	U	ND	U	ND	U
4,4'-DDE	0.2	ND	U	ND	U	ND	U
4,4'-DDT	0.2	ND	U	ND	U	ND	U
Aldrin		ND	U	ND	U	ND	U
alpha-BHC	0.01	ND	U	ND	U	ND	U
cis-Chlordane		ND	U	ND	U	ND	U
beta-BHC	0.04	ND	U	ND	U	ND	U
delta-BHC	0.04	ND	U	ND	U	ND	U
Dieldrin	0.004	ND	U	ND	U	ND	U
Endosulfan I		ND	U *	ND	U *	ND	U *
Endosulfan II		ND	U	ND	U	ND	U
Endosulfan sulfate		ND	U	ND	U	ND	U
Endrin		ND	U	ND	U	ND	U
Endrin aldehyde	5	ND	U	ND	U	ND	U
Endrin ketone	5	ND	U	ND	U	ND	U
gamma-BHC (Lindane)	0.05	ND	U	ND	U	ND	U
trans-Chlordane		ND	U *	ND	U *	ND	U *
Heptachlor	0.04	ND	U	ND	U	ND	U
Heptachlor epoxide	0.03	ND	U *	ND	U *	ND	U *
Methoxychlor	35	ND	U	ND	U	ND	U
Toxaphene	0.06	ND	U	ND	U	ND	U
Sample ID		**RI-4**		**RI-5**		**RI-6**	
Lab Sample Number		**480-159935-3**		**480-159935-1**		**480-159935-7**	
Sampling Date		**09/30/2019 12:23:00**		**09/30/2019 10:05:00**		**09/30/2019 15:27:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A							
PCB-1016		ND	U	ND	U	ND	U
PCB-1221		ND	U	ND	U	ND	U
PCB-1232		ND	U	ND	U	ND	U
PCB-1242		ND	U	ND	U	ND	U
PCB-1248		ND	U	ND	U	ND	U
PCB-1254		ND	U	ND	U	ND	U
PCB-1260		ND	U	ND	U	ND	U

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**RI-12**		**RI-14**		**RI-16**	
Lab Sample Number		**480-159935-2**		**480-159838-6**		**480-159935-6**	
Sampling Date		**09/30/2019 11:10:00**		**09/26/2019 14:06:00**		**09/30/2019 14:23:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B							
4,4'-DDD	0.3	ND	U	ND	U	ND	U
4,4'-DDE	0.2	ND	U	ND	U	ND	U
4,4'-DDT	0.2	ND	U	0.023	J B	ND	U
Aldrin		ND	U	ND	U	ND	U
alpha-BHC	0.01	ND	U	0.033	J	ND	U
cis-Chlordane		ND	U	ND	U	ND	U
beta-BHC	0.04	ND	U	ND	U	ND	U
delta-BHC	0.04	ND	U	0.013	J	0.012	J
Dieldrin	0.004	ND	U	ND	U	ND	U
Endosulfan I		ND	U *	ND	U	ND	U *
Endosulfan II		ND	U	ND	U	ND	U
Endosulfan sulfate		ND	U	ND	U	ND	U
Endrin		ND	U	ND	U	ND	U
Endrin aldehyde	5	ND	U	ND	U	ND	U
Endrin ketone	5	ND	U	ND	U	ND	U
gamma-BHC (Lindane)	0.05	ND	U	ND	U	ND	U
trans-Chlordane		ND	U *	0.028	J	ND	U *
Heptachlor	0.04	ND	U	ND	U	ND	U
Heptachlor epoxide	0.03	ND	U *	ND	U	ND	U *
Methoxychlor	35	ND	U	ND	U	ND	U
Toxaphene	0.06	ND	U	ND	U	ND	U
Sample ID		**RI-12**		**RI-14**		**RI-16**	
Lab Sample Number		**480-159935-2**		**480-159838-6**		**480-159935-6**	
Sampling Date		**09/30/2019 11:10:00**		**09/26/2019 14:06:00**		**09/30/2019 14:23:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A							
PCB-1016		ND	U	ND	U	ND	U
PCB-1221		ND	U	ND	U	ND	U
PCB-1232		ND	U	ND	U	ND	U
PCB-1242		ND	U	ND	U	ND	U
PCB-1248		ND	U	ND	U	ND	U
PCB-1254		ND	U	ND	U	ND	U
PCB-1260		ND	U	ND	U	ND	U

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS									
Sample ID		**DUPE-6**		**SRI-4**		**SRI-5**		**DUPE-X**	
Lab Sample Number		**480-159935-4**		**70135395004**		**70135395003**		**70135395002**	
Sampling Date		**09/30/2019 11:10:00**		**6/19/2020**		**6/19/2020**		**6/19/2020**	
Matrix		**Water**		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**		**Low**	
GC Semivolatiles - 8081B									
4,4'-DDD	0.3	ND	U	ND	U	ND	U	ND	U
4,4'-DDE	0.2	ND	U	ND	U	ND	U	ND	U
4,4'-DDT	0.2	ND	U	ND	U	ND	U	ND	U
Aldrin		ND	U	ND	U	ND	U	ND	U
alpha-BHC	0.01	ND	U	ND	U	ND	U	ND	U
cis-Chlordane		ND	U	ND	U	ND	U	ND	U
beta-BHC	0.04	ND	U	ND	U	ND	U	ND	U
delta-BHC	0.04	ND	U	ND	U	ND	U	ND	U
Dieldrin	0.004	ND	U	ND	U	ND	U	ND	U
Endosulfan I		ND	U *	ND	U	ND	U	ND	U
Endosulfan II		ND	U	ND	U	ND	U	ND	U
Endosulfan sulfate		ND	U	ND	U	ND	U	ND	U
Endrin		ND	U	ND	U	ND	U	ND	U
Endrin aldehyde	5	ND	U	ND	U	ND	U	ND	U
Endrin ketone	5	ND	U	ND	U	ND	U	ND	U
gamma-BHC (Lindane)	0.05	ND	U	ND	U	ND	U	ND	U
trans-Chlordane		ND	U *	ND	U	ND	U	ND	U
Heptachlor	0.04	ND	U	ND	U	ND	U	ND	U
Heptachlor epoxide	0.03	ND	U *	ND	U	ND	U	ND	U
Methoxychlor	35	ND	U	ND	U	ND	U	ND	U
Toxaphene	0.06	ND	U	ND	U	ND	U	ND	U
Sample ID		**DUPE-6**		**SRI-4**		**SRI-5**		**DUPE-X**	
Lab Sample Number		**480-159935-4**		**70135395004**		**70135395003**		**70135395002**	
Sampling Date		**09/30/2019 11:10:00**		**6/19/2020**		**6/19/2020**		**6/19/2020**	
Matrix		**Water**		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**		**1**	
Units		**ug/L**		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**		**Low**	
GC Semivolatiles - 8082A									
PCB-1016		ND	U	-		-		-	
PCB-1221		ND	U	-		-		-	
PCB-1232		ND	U	-		-		-	
PCB-1242		ND	U	-		-		-	
PCB-1248		ND	U	-		-		-	
PCB-1254		ND	U	-		-		-	
PCB-1260		ND	U	-		-		-	

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**RI-1**		**RI-2**		**RI-3**	
Lab Sample Number		**480-159838-8**		**480-159838-7**		**480-159935-5**	
Sampling Date		**09/26/2019 16:12:00**		**09/26/2019 15:16:00**		**09/30/2019 13:30:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**mg/L**		**mg/L**		**mg/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Total/NA Low**		**Total/NA Low**		**Total/NA Low**	
Metals							
Aluminum		**2.7**		**0.27**		ND	U
Mercury	0.0007	ND	U	ND	U	ND	U
Antimony	0.003	ND	U	ND	U	ND	U
Arsenic	0.025	0.0095	J	ND	U	ND	U
Barium	1	**0.23**		**0.21**		**0.045**	
Beryllium	0.003	ND	U	ND	U	ND	U
Cadmium	0.005	ND	U	ND	U	ND	U
Calcium		**127**		**143**		**83.2**	
Chromium	0.05	0.0029	J	ND	U	ND	U
Cobalt		0.0030	J	ND	U	ND	U
Copper	0.2	0.0037	J	ND	U	ND	U
Iron	0.3	**7.6**		**0.16**		**22.9**	
Lead	0.025	**0.019**		0.0041	J	ND	U
Magnesium	35	**10.8**		**16.2**		**10.7**	
Manganese	0.3	**0.95**	B	**0.040**	B	**0.30**	B
Nickel	0.1	0.0025	J	ND	U	ND	U
Potassium		**6.3**		**11.9**		**10.8**	
Selenium	0.01	ND	U	ND	U	ND	U
Silver	0.05	ND	U	ND	U	ND	U
Sodium	20	**14.7**		**118**		**23.2**	
Thallium	0.0005	ND	U	ND	U	ND	U
Vanadium		0.0044	J	0.0020	J	ND	U
Zinc	2	**0.013**	B	0.0080	J B	0.0074	J
Sample ID		**RI-1**		**RI-2**		**RI-3**	
Lab Sample Number		**480-159838-8**		**480-159838-7**		**480-159935-5**	
Sampling Date		**09/26/2019 16:12:00**		**09/26/2019 15:16:00**		**09/30/2019 13:30:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor							
Units							
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
Wet Chemistry							
Chromium, hexavalent - mg/L	0.05	ND	U	ND	U F1	0.0055	J
Cyanide, Total - mg/L	0.2	ND	U	ND	U	ND	U

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**RI-4**		**RI-5**		**RI-6**	
Lab Sample Number		**480-159935-3**		**480-159935-1**		**480-159935-7**	
Sampling Date		**09/30/2019 12:23:00**		**09/30/2019 10:05:00**		**09/30/2019 15:27:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**mg/L**		**mg/L**		**mg/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Total/NA Low**		**Total/NA Low**		**Total/NA Low**	
Metals							
Aluminum		0.069	J	0.12	J	**0.57**	
Mercury	0.0007	ND	U	ND	U	ND	U
Antimony	0.003	ND	U	ND	U	ND	U
Arsenic	0.025	ND	U	ND	U	ND	U
Barium	1	**0.27**		**0.44**		**0.21**	
Beryllium	0.003	ND	U	0.00042	J	ND	U
Cadmium	0.005	ND	U	ND	U	ND	U
Calcium		**138**		**121**		**165**	
Chromium	0.05	ND	U	ND	U	0.0014	J
Cobalt		ND	U	ND	U	0.00081	J
Copper	0.2	ND	U	ND	U	ND	U
Iron	0.3	**0.35**		**2.6**		**0.71**	
Lead	0.025	ND	U	ND	U	ND	U
Magnesium	35	**19.8**		**17.6**		**25.7**	
Manganese	0.3	**2.7**	B	**4.7**	B	**4.2**	B
Nickel	0.1	ND	U	ND	U	ND	U
Potassium		**8.4**		**9.1**		**10.5**	
Selenium	0.01	ND	U	ND	U	ND	U
Silver	0.05	ND	U	ND	U	ND	U
Sodium	20	**110**		**111**		**86.3**	
Thallium	0.0005	ND	U	ND	U	ND	U
Vanadium		ND	U	ND	U	ND	U
Zinc	2	0.0042	J	ND	U	0.0055	J
Sample ID		**RI-4**		**RI-5**		**RI-6**	
Lab Sample Number		**480-159935-3**		**480-159935-1**		**480-159935-7**	
Sampling Date		**09/30/2019 12:23:00**		**09/30/2019 10:05:00**		**09/30/2019 15:27:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor							
Units							
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
Wet Chemistry							
Chromium, hexavalent - mg/L	0.05	0.0055	J	ND	U	ND	U
Cyanide, Total - mg/L	0.2	0.0097	J H *	0.0075	J	**0.032**	

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**RI-12**		**RI-14**		**RI-16**	
Lab Sample Number		**480-159935-2**		**480-159838-6**		**480-159935-6**	
Sampling Date		**09/30/2019 11:10:00**		**09/26/2019 14:06:00**		**09/30/2019 14:23:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**	
Units		**mg/L**		**mg/L**		**mg/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Total/NA Low**		**Total/NA Low**		**Total/NA Low**	
Metals							
Aluminum		ND	U	**0.26**		ND	U
Mercury	0.0007	ND	U	ND	U	ND	U
Antimony	0.003	ND	U	ND	U	ND	U
Arsenic	0.025	0.0069	J	ND	U	ND	U
Barium	1	**0.42**		**0.19**		**0.052**	
Beryllium	0.003	ND	U	ND	U	ND	U
Cadmium	0.005	ND	U	ND	U	ND	U
Calcium		**120**		**149**		**87.5**	
Chromium	0.05	ND	U	ND	U	ND	U
Cobalt		ND	U	0.0012	J	0.00070	J
Copper	0.2	ND	U	ND	U	ND	U
Iron	0.3	**1.4**		**0.34**		**8.3**	
Lead	0.025	ND	U	ND	U	ND	U
Magnesium	35	**18.4**		**22.7**		9.0	
Manganese	0.3	**5.7**	B	**2.2**	B	**0.73**	B
Nickel	0.1	ND	U	0.0017	J	ND	U
Potassium		**8.6**		**14.0**		**10.6**	
Selenium	0.01	ND	U	ND	U	ND	U
Silver	0.05	ND	U	ND	U	ND	U
Sodium	20	**102**		**127**		**40.6**	
Thallium	0.0005	ND	U	ND	U	ND	U
Vanadium		ND	U	ND	U	ND	U
Zinc	2	0.0040	J	0.0037	J B	0.0061	J
Sample ID		**RI-12**		**RI-14**		**RI-16**	
Lab Sample Number		**480-159935-2**		**480-159838-6**		**480-159935-6**	
Sampling Date		**09/30/2019 11:10:00**		**09/26/2019 14:06:00**		**09/30/2019 14:23:00**	
Matrix		**Water**		**Water**		**Water**	
Dilution Factor							
Units							
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**	
Wet Chemistry							
Chromium, hexavalent - mg/L	0.05	0.0091	J	ND	U	0.0079	J
Cyanide, Total - mg/L	0.2	0.0071	J	ND	U	ND	U

TABLE 5
GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID		**DUPE-6**		**SRI-4**		**SRI-5**		**DUPE-X**	
Lab Sample Number		**480-159935-4**		**70135395004**		**70135395003**		**70135395002**	
Sampling Date		**09/30/2019 11:10:00**		**6/19/2020**		**6/19/2020**		**6/19/2020**	
Matrix		**Water**		**Water**		**Water**		**Water**	
Dilution Factor		**1**		**1**		**1**		**1**	
Units		**mg/L**		**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Total/NA Low**		**Low**		**Low**		**Low**	
Metals									
Aluminum		0.10	J	ND	U	ND	U	279	
Mercury	0.0007	ND	U	ND	U	ND	U	ND	U
Antimony	0.003	ND	U	ND	U	ND	U	ND	U
Arsenic	0.025	0.0065	J	ND	U	ND	U	ND	U
Barium	1	**0.42**		0.311		ND	U	0.23	
Beryllium	0.003	ND	U	ND	U	ND	U	ND	U
Cadmium	0.005	ND	U	ND	U	ND	U	ND	U
Calcium		**120**		124		35.7		115	
Chromium	0.05	ND	U	ND	U	0.028		ND	U
Cobalt		ND	U	ND	U	ND	U	ND	U
Copper	0.2	ND	U	ND	U	0.118		ND	U
Iron	0.3	**1.4**		2.92		1.02		7	
Lead	0.025	ND	U	ND	U	0.0076		ND	U
Magnesium	35	**18.4**		17.1		7.56		18.6	
Manganese	0.3	**5.7**	B	3.71		ND	U	3.4	
Nickel	0.1	ND	U	ND	U	0.318		ND	U
Potassium		**8.7**		10.2		ND	U	8.61	
Selenium	0.01	ND	U	ND	U	ND	U	ND	U
Silver	0.05	ND	U	ND	U	ND	U	ND	U
Sodium	20	**103**		74.8		16.5		70.5	
Thallium	0.0005	ND	U	ND	U	ND	U	ND	U
Vanadium		ND	U	ND	U	ND	U	ND	U
Zinc	2	0.0034	J	ND	U	0.0595		ND	U
Sample ID		**DUPE-6**		**SRI-4**		**SRI-5**		**DUPE-X**	
Lab Sample Number		**480-159935-4**		**70135395004**		**70135395003**		**70135395002**	
Sampling Date		**09/30/2019 11:10:00**		**6/19/2020**		**6/19/2020**		**6/19/2020**	
Matrix		**Water**		**Water**		**Water**		**Water**	
Dilution Factor				**1**		**1**		**1**	
Units				**ug/L**		**ug/L**		**ug/L**	
	NY TOGS 1.1.1 Water Quality Standards & Guidance Values	**Low**		**Low**		**Low**		**Low**	
Wet Chemistry									
Chromium, hexavalent - mg/L	0.05	ND	U	-		-		-	
Cyanide, Total - mg/L	0.2	0.0074	J	ND	U	ND	U	ND	U

TABLE 6
RCRA 8 Metals Sample Data

TABLE 6
RCRA 8 METALS SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS							
Sample ID		**RI-7 SS 0-2'**		**RI-7 SS 2-4'**		**RI-7 SS 4-6'**	
Lab Sample Number		**480-159574-7**		**480-159574-8**		**480-159574-9**	
Sampling Date		**09/20/2019 12:40:00**		**09/20/2019 12:43:00**		**09/20/2019 12:45:00**	
Matrix		**Solid**		**Solid**		**Solid**	
Dilution Factor		**1**		**1**		**1**	
Units		**mg/L**		**mg/L**		**mg/L**	
	EPA Regulated Levels (Maximum Concentration of Contaminanats for Toxicity Characteristic)	**TCLP Low**		**TCLP Low**		**TCLP Low**	
Metals							
Arsenic	5.0	ND	U	ND	U	ND	U
Barium	100	0.51	J	0.51	J	0.52	J
Cadmium	1.0	0.00080	J	0.00095	J	**0.018**	
Chromium	5.0	ND	U	ND	U	ND	U
Lead	5.0	0.0037	J	0.0043	J	**0.72**	
Mercury	0.2	ND	U	ND	U	ND	U
Selenium	1.0	ND	U	ND	U	ND	U
Silver	5.0	ND	U	ND	U	ND	U

TABLE 6
RCRA 8 METALS SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS							
Sample ID		**RI-7 SS 6-8'**		**RI-8 SS 0-2'**		**RI-8 SS 2-4'**	
Lab Sample Number		**480-159574-10**		**480-159633-7**		**480-159633-8**	
Sampling Date		**09/20/2019 13:00:00**		**09/23/2019 12:36:00**		**09/23/2019 12:38:00**	
Matrix		**Solid**		**Solid**		**Solid**	
Dilution Factor		**1**		**1**		**1**	
Units		**mg/L**		**mg/L**		**mg/L**	
	EPA Regulated Levels (Maximum Concentration of Contaminanats for Toxicity Characteristic)	**TCLP Low**		**TCLP Low**		**TCLP Low**	
Metals							
Arsenic	5.0	0.0069	J	0.0066	J	ND	U
Barium	100	0.59	J	0.54	J	0.41	J
Cadmium	1.0	0.011		0.0012	J	0.0016	J
Chromium	5.0	ND	U	ND	U	ND	U
Lead	5.0	**0.070**		ND	U	0.015	J
Mercury	0.2	ND	U	ND	U	ND	U
Selenium	1.0	ND	U	ND	U	ND	U
Silver	5.0	ND	U	ND	U	ND	U

TABLE 6
RCRA 8 METALS SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS							
Sample ID		**RI-8 SS 4-6'**		**RI-8 SS 6-8'**		**RI-9 SS 0-2'**	
Lab Sample Number		**480-159633-9**		**480-159633-10**		**480-159574-11**	
Sampling Date		**09/23/2019 12:46:00**		**09/23/2019 12:52:00**		**09/20/2019 13:59:00**	
Matrix		**Solid**		**Solid**		**Solid**	
Dilution Factor		**1**		**1**		**1**	
Units		**mg/L**		**mg/L**		**mg/L**	
	EPA Regulated Levels (Maximum Concentration of Contaminanats for Toxicity Characteristic)	**TCLP Low**		**TCLP Low**		**TCLP Low**	
Metals							
Arsenic	5.0	0.011	J	ND	U	ND	U
Barium	100	0.16	J	0.50	J	0.12	J
Cadmium	1.0	0.0013	J	0.00099	J	ND	U
Chromium	5.0	ND	U	ND	U	ND	U
Lead	5.0	0.0088	J	ND	U	0.0040	J
Mercury	0.2	ND	U	ND	U	ND	U
Selenium	1.0	ND	U	ND	U	ND	U
Silver	5.0	ND	U	ND	U	ND	U

TABLE 6
RCRA 8 METALS SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS							
Sample ID		**RI-9 SS 2-4'**		**RI-9 SS 4-6'**		**RI-9 SS 6-8'**	
Lab Sample Number		**480-159574-12**		**480-159574-13**		**480-159574-14**	
Sampling Date		**09/20/2019 14:02:00**		**09/20/2019 14:07:00**		**09/20/2019 14:15:00**	
Matrix		**Solid**		**Solid**		**Solid**	
Dilution Factor		**1**		**1**		**1**	
Units		**mg/L**		**mg/L**		**mg/L**	
	EPA Regulated Levels (Maximum Concentration of Contaminanats for Toxicity Characteristic)	**TCLP Low**		**TCLP Low**		**TCLP Low**	
Metals							
Arsenic	5.0	0.010	J	0.0079	J	0.0080	J
Barium	100	0.42	J	0.46	J	0.21	J
Cadmium	1.0	**0.0022**		**0.0037**		0.00059	J
Chromium	5.0	ND	U	ND	U	ND	U
Lead	5.0	**0.035**		**0.11**		0.012	J
Mercury	0.2	ND	U	ND	U	ND	U
Selenium	1.0	ND	U	ND	U	ND	U
Silver	5.0	ND	U	ND	U	ND	U

TABLE 6
RCRA 8 METALS SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS							
Sample ID		**RI-10 SS 0-2'**		**RI-10 SS 2-4'**		**RI-10 SS 4-6'**	
Lab Sample Number		**480-159574-3**		**480-159574-4**		**480-159574-5**	
Sampling Date		**09/20/2019 10:42:00**		**09/20/2019 10:46:00**		**09/20/2019 10:54:00**	
Matrix		**Solid**		**Solid**		**Solid**	
Dilution Factor		**1**		**1**		**1**	
Units		**mg/L**		**mg/L**		**mg/L**	
	EPA Regulated Levels (Maximum Concentration of Contaminanats for Toxicity Characteristic)	**TCLP Low**		**TCLP Low**		**TCLP Low**	
Metals							
Arsenic	5.0	0.0072	J	0.0081	J	ND	U
Barium	100	1.0		0.62	J	0.85	J
Cadmium	1.0	**0.0022**		**0.0075**		**0.0075**	
Chromium	5.0	ND	U	ND	U	ND	U
Lead	5.0	**0.039**		ND	U	0.013	J
Mercury	0.2	ND	U	ND	U	ND	U
Selenium	1.0	ND	U	ND	U	ND	U
Silver	5.0	ND	U	ND	U	ND	U

TABLE 6
RCRA 8 METALS SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS							
Sample ID		**RI-10 SS 6-8'**		**RI-11 SS 0-2'**		**RI-11 SS 4-6'**	
Lab Sample Number		**480-159574-6**		**480-159633-1**		**480-159633-2**	
Sampling Date		**09/20/2019 11:09:00**		**09/23/2019 10:46:00**		**09/23/2019 10:53:00**	
Matrix		**Solid**		**Solid**		**Solid**	
Dilution Factor		**1**		**1**		**1**	
Units		**mg/L**		**mg/L**		**mg/L**	
	EPA Regulated Levels (Maximum Concentration of Contaminanats for Toxicity Characteristic)	**TCLP Low**		**TCLP Low**		**TCLP Low**	
Metals							
Arsenic	5.0	ND	U	ND	U	ND	U
Barium	100	0.65	J	0.25	J	0.34	J
Cadmium	1.0	**0.0026**		0.00090	J	0.0019	J
Chromium	5.0	ND	U	ND	U	ND	U
Lead	5.0	ND	U	0.0033	J	0.20	
Mercury	0.2	ND	U	ND	U	ND	U
Selenium	1.0	ND	U	ND	U	ND	U
Silver	5.0	ND	U	ND	U	ND	U

TABLE 6
RCRA 8 METALS SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS			
Sample ID		**RI-11 SS 6-8'**	
Lab Sample Number		**480-159633-3**	
Sampling Date		**09/23/2019 10:57:00**	
Matrix		**Solid**	
Dilution Factor		**1**	
Units		**mg/L**	
	EPA Regulated Levels (Maximum Concentration of Contaminanats for Toxicity Characteristic)	**TCLP Low**	
Metals			
Arsenic	5.0	0.0058	J
Barium	100	0.50	J
Cadmium	1.0	0.00088	J
Chromium	5.0	ND	U
Lead	5.0	**0.076**	
Mercury	0.2	ND	U
Selenium	1.0	ND	U
Silver	5.0	ND	U

TABLE 7
PFAS Soil Sample Data

Poestenkill Place - Brownfield Cleanup Project

City of Troy, NY - 244-246 First Street

NYSDEC Site No. C442058, B&L 2248.001

TABLE 7
PFAS SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS					
Sample ID		**EQUIPMENT BLANK S**		**DUPE-2**	
Lab Sample Number		**480-159603-1**		**480-159417-4**	
Sampling Date		**09/23/2019 07:40:00**		**09/17/2019 00:00:00**	
Matrix		**Water**		**Solid**	
Dilution Factor		**1**		**1**	
Units		**ng/L**		**ug/Kg**	
	NYSDEC Part 375 Remedial Programs (Jan 2020 Guidelines)	**Low**		**Low**	
LCMS - 537 (modified)					
Perfluorobutanoic acid (PFBA)		ND	U	0.074	J
Perfluoropentanoic acid (PFPeA)		ND	U	ND	U
Perfluorohexanoic acid (PFHxA)		ND	U	0.045	J
Perfluoroheptanoic acid (PFHpA)		ND	U	0.058	J
Perfluorooctanoic acid (PFOA)		ND	U	0.11	J
Perfluorononanoic acid (PFNA)		ND	U	0.11	J
Perfluorodecanoic acid (PFDA)		ND	U	0.19	
Perfluoroundecanoic acid (PFUnA)		ND	U	0.12	J
Perfluorododecanoic acid (PFDoA)		ND	U	0.12	J
Perfluorotridecanoic acid (PFTriA)		ND	U	0.047	J
Perfluorotetradecanoic acid (PFTeA)		0.30	J B	0.067	J
Perfluorobutanesulfonic acid (PFBS)		ND	U	ND	U
Perfluorohexanesulfonic acid (PFHxS)		0.30	J B	ND	U
Perfluoroheptanesulfonic Acid (PFHpS)		ND	U	ND	U
Perfluorooctanesulfonic acid (PFOS)		ND	U	0.44	J
Perfluorodecanesulfonic acid (PFDS)		ND	U	0.042	J
Perfluorooctanesulfonamide (FOSA)		ND	U	ND	U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		ND	U	ND	U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		ND	U	ND	U
6:2 FTS		ND	U	0.21	J B
8:2 FTS		ND	U	ND	U
Total Conc	70	0.6		1.633	

Note:

Lab results for RI-3 Surface are reported as "RI-3 S 0-2"' and "RI-3 S 0-6"'

Lab results for RI-5 Surface are reported as "RI-5 S 0-2"' and "RI-5 S 0-6"'

RI-5 had PFAS samples collected on 09/16/19 and 09/17/19

TABLE 7
PFAS SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS					
Sample ID		**RI-3 SURFACE**		**RI-5 SURFACE**	
Lab Sample Number		**320-54530-1**		**480-159250-1**	
Sampling Date		**09/18/2019 15:20:00**		**09/16/2019 09:35:00**	
Matrix		**Solid**		**Solid**	
Dilution Factor		**1**		**1**	
Units		**ug/Kg**		**ug/Kg**	
	NYSDEC Part 375 Remedial Programs (Jan 2020 Guidelines)	**Low**		**Low**	
LCMS - 537 (modified)					
Perfluorobutanoic acid (PFBA)		0.067	J	0.17	J
Perfluoropentanoic acid (PFPeA)		ND	U	0.12	J
Perfluorohexanoic acid (PFHxA)		0.065	J	0.092	J
Perfluoroheptanoic acid (PFHpA)		0.069	J	0.072	J
Perfluorooctanoic acid (PFOA)		0.18	J	ND	U
Perfluorononanoic acid (PFNA)		0.19	J	0.050	J
Perfluorodecanoic acid (PFDA)		0.21		0.067	J
Perfluoroundecanoic acid (PFUnA)		0.11	J	0.056	J
Perfluorododecanoic acid (PFDoA)		0.075	J	ND	U
Perfluorotridecanoic acid (PFTriA)		ND	U	ND	U
Perfluorotetradecanoic acid (PFTeA)		ND	U	ND	U
Perfluorobutanesulfonic acid (PFBS)		ND	U	ND	U
Perfluorohexanesulfonic acid (PFHxS)		ND	U	ND	U
Perfluoroheptanesulfonic Acid (PFHpS)		ND	U	ND	U
Perfluorooctanesulfonic acid (PFOS)		0.96		0.54	
Perfluorodecanesulfonic acid (PFDS)		0.22		ND	U
Perfluorooctanesulfonamide (FOSA)		ND	U	ND	U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		ND	U	ND	U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		ND	U	ND	U
6:2 FTS		ND	U	ND	U
8:2 FTS		ND	U	ND	U
Total Conc	70	2.146		1.167	

Note:
Lab results for RI-3 Surface are reported as "RI-3 S 0-2"' and "RI-3 S
Lab results for RI-5 Surface are reported as "RI-5 S 0-2"' and "RI-5 S
RI-5 had PFAS samples collected on 09/16/19 and 09/17/19

TABLE 7
PFAS SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS					
Sample ID		**RI-5X SURFACE**		**RI-16 SURFACE**	
Lab Sample Number		**480-159417-1**		**480-159417-2**	
Sampling Date		**09/17/2019 07:30:00**		**09/17/2019 08:00:00**	
Matrix		**Solid**		**Solid**	
Dilution Factor		**1**		**1**	
Units		**ug/Kg**		**ug/Kg**	
	NYSDEC Part 375 Remedial Programs (Jan 2020 Guidelines)	**Low**		**Low**	
LCMS - 537 (modified)					
Perfluorobutanoic acid (PFBA)		ND	U	0.066	J
Perfluoropentanoic acid (PFPeA)		ND	U	ND	U
Perfluorohexanoic acid (PFHxA)		ND	U	ND	U
Perfluoroheptanoic acid (PFHpA)		ND	U	0.052	J
Perfluorooctanoic acid (PFOA)		ND	U	0.10	J
Perfluorononanoic acid (PFNA)		0.079	J	0.089	J
Perfluorodecanoic acid (PFDA)		0.15	J	0.17	J
Perfluoroundecanoic acid (PFUnA)		0.097	J	0.12	J
Perfluorododecanoic acid (PFDoA)		0.088	J	0.11	J
Perfluorotridecanoic acid (PFTriA)		ND	U	ND	U
Perfluorotetradecanoic acid (PFTeA)		0.056	J	0.071	J
Perfluorobutanesulfonic acid (PFBS)		ND	U	ND	U
Perfluorohexanesulfonic acid (PFHxS)		ND	U	ND	U
Perfluoroheptanesulfonic Acid (PFHpS)		ND	U	ND	U
Perfluorooctanesulfonic acid (PFOS)		0.43	J	0.52	J
Perfluorodecanesulfonic acid (PFDS)		ND	U	0.063	J
Perfluorooctanesulfonamide (FOSA)		ND	U	ND	U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		ND	U	ND	U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		ND	U	ND	U
6:2 FTS		0.36	J B	0.42	J B
8:2 FTS		ND	U	ND	U
Total Conc	70	1.26		1.781	

Note:
Lab results for RI-3 Surface are reported as "RI-3 S 0-2"' and "RI-3 S
Lab results for RI-5 Surface are reported as "RI-5 S 0-2"' and "RI-5 S
RI-5 had PFAS samples collected on 09/16/19 and 09/17/19

TABLE 7
PFAS SOIL SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS					
Sample ID		**RI-17 SURFACE**		**RI-18 SURFACE**	
Lab Sample Number		**480-159417-3**		**480-159630-1**	
Sampling Date		**09/17/2019 08:32:00**		**09/23/2019 08:35:00**	
Matrix		**Solid**		**Solid**	
Dilution Factor		**1**		**1**	
Units		**ug/Kg**		**ug/Kg**	
	NYSDEC Part 375 Remedial Programs (Jan 2020 Guidelines)	**Low**		**Low**	
LCMS - 537 (modified)					
Perfluorobutanoic acid (PFBA)		0.11	J	0.032	J
Perfluoropentanoic acid (PFPeA)		ND	U	ND	U
Perfluorohexanoic acid (PFHxA)		0.055	J	ND	U
Perfluoroheptanoic acid (PFHpA)		0.071	J	ND	U
Perfluorooctanoic acid (PFOA)		0.16	J	ND	U
Perfluorononanoic acid (PFNA)		0.15	J	ND	U
Perfluorodecanoic acid (PFDA)		0.31		0.11	J
Perfluoroundecanoic acid (PFUnA)		0.19	J	0.073	J
Perfluorododecanoic acid (PFDoA)		0.17	J	ND	U
Perfluorotridecanoic acid (PFTriA)		0.072	J	ND	U
Perfluorotetradecanoic acid (PFTeA)		0.081	J	ND	U
Perfluorobutanesulfonic acid (PFBS)		ND	U	ND	U
Perfluorohexanesulfonic acid (PFHxS)		ND	U	ND	U
Perfluoroheptanesulfonic Acid (PFHpS)		ND	U	ND	U
Perfluorooctanesulfonic acid (PFOS)		0.75		ND	U
Perfluorodecanesulfonic acid (PFDS)		0.15	J	ND	U
Perfluorooctanesulfonamide (FOSA)		ND	U	ND	U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		ND	U	ND	U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		ND	U	ND	U
6:2 FTS		0.27	J B	ND	U
8:2 FTS		ND	U	ND	U
Total Conc	70	2.539		0.215	

Note:
Lab results for RI-3 Surface are reported as "RI-3 S 0-2"' and "RI-3 S
Lab results for RI-5 Surface are reported as "RI-5 S 0-2"' and "RI-5 S
RI-5 had PFAS samples collected on 09/16/19 and 09/17/19

TABLE 8
PFAS Groundwater Sample Data

Poestenkill Place - Brownfield Cleanup Project

City of Troy, NY - 244-246 First Street

NYSDEC Site No. C442058, B&L 2248.001

TABLE 8
PFAS GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS					
Sample ID		**DUP-5**		**EB-3**	
Lab Sample Number		**480-159838-5**		**480-159832-1**	
Sampling Date		**09/26/2019 00:00:00**		**09/26/2019 09:50:00**	
Matrix		**Water**		**Water**	
Dilution Factor		**1**		**1**	
Units		**ng/L**		**ng/L**	
	NYSDEC Part 375 Remedial Programs (Jan 2020 Guidelines)	**Low**		**Low**	
LCMS - 537 (modified)					
Perfluorobutanoic acid (PFBA)	100	**6.8**		ND	U
Perfluoropentanoic acid (PFPeA)	100	**4.3**		ND	U
Perfluorohexanoic acid (PFHxA)	100	**2.4**		ND	U
Perfluoroheptanoic acid (PFHpA)	100	**1.8**		ND	U
Perfluorooctanoic acid (PFOA)	10	**4.2**		ND	U
Perfluorononanoic acid (PFNA)	100	ND	U	ND	U
Perfluorodecanoic acid (PFDA)	100	ND	U	ND	U
Perfluoroundecanoic acid (PFUnA)	100	ND	U	ND	U
Perfluorododecanoic acid (PFDoA)	100	ND	U	ND	U
Perfluorotridecanoic acid (PFTriA)	100	ND	U	ND	U
Perfluorotetradecanoic acid (PFTeA)	100	ND	U	0.28	J B
Perfluorobutanesulfonic acid (PFBS)	100	**3.0**		ND	U
Perfluorohexanesulfonic acid (PFHxS)	100	1.7	J I	0.30	J B
Perfluoroheptanesulfonic Acid (PFHpS)	100	ND	U	ND	U
Perfluorooctanesulfonic acid (PFOS)	10	**4.3**	I	ND	U
Perfluorodecanesulfonic acid (PFDS)	100	ND	U	ND	U
Perfluorooctanesulfonamide (FOSA)	100	0.48	J B	ND	U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		ND	U	ND	U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		ND	U	ND	U
6:2 FTS		ND	U *	ND	U
8:2 FTS		ND	U	ND	U
Total Conc	500	28.98		0.58	

TABLE 8
PFAS GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS					
Sample ID		**RI-3**		**RI-5**	
Lab Sample Number		**480-159838-2**		**480-159838-3**	
Sampling Date		**09/26/2019 10:42:00**		**09/26/2019 10:55:00**	
Matrix		**Water**		**Water**	
Dilution Factor		**1**		**1**	
Units		**ng/L**		**ng/L**	
	NYSDEC Part 375 Remedial Programs (Jan 2020 Guidelines)	**Low**		**Low**	
LCMS - 537 (modified)					
Perfluorobutanoic acid (PFBA)	100	**2.5**		**6.7**	
Perfluoropentanoic acid (PFPeA)	100	0.55	J	**4.4**	
Perfluorohexanoic acid (PFHxA)	100	ND	U	**3.1**	I
Perfluoroheptanoic acid (PFHpA)	100	0.62	J	1.7	J
Perfluorooctanoic acid (PFOA)	10	**2.4**		**3.9**	
Perfluorononanoic acid (PFNA)	100	ND	U	ND	U
Perfluorodecanoic acid (PFDA)	100	ND	U	ND	U
Perfluoroundecanoic acid (PFUnA)	100	ND	U	ND	U
Perfluorododecanoic acid (PFDoA)	100	ND	U	ND	U
Perfluorotridecanoic acid (PFTriA)	100	ND	U	ND	U
Perfluorotetradecanoic acid (PFTeA)	100	ND	U	ND	U
Perfluorobutanesulfonic acid (PFBS)	100	0.87	J	**3.8**	
Perfluorohexanesulfonic acid (PFHxS)	100	ND	U	1.5	J
Perfluoroheptanesulfonic Acid (PFHpS)	100	ND	U	ND	U
Perfluorooctanesulfonic acid (PFOS)	10	ND	U	**4.4**	I
Perfluorodecanesulfonic acid (PFDS)	100	ND	U	ND	U
Perfluorooctanesulfonamide (FOSA)	100	0.89	J B	0.38	J B
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		ND	U	ND	U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		ND	U	ND	U
6:2 FTS		ND	U *	2.1	J *
8:2 FTS		ND	U	ND	U
Total Conc	500	7.83		30.48	

TABLE 8
PFAS GROUNDWATER SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS					
Sample ID		**RI-12**		**RI-16**	
Lab Sample Number		**480-159838-4**		**480-159838-1**	
Sampling Date		**09/26/2019 11:25:00**		**09/26/2019 10:30:00**	
Matrix		**Water**		**Water**	
Dilution Factor		**1**		**1**	
Units		**ng/L**		**ng/L**	
	NYSDEC Part 375 Remedial Programs (Jan 2020 Guidelines)	**Low**		**Low**	
LCMS - 537 (modified)					
Perfluorobutanoic acid (PFBA)	100	**6.2**		**2.8**	
Perfluoropentanoic acid (PFPeA)	100	**3.5**		1.3	J
Perfluorohexanoic acid (PFHxA)	100	**2.4**		**2.1**	
Perfluoroheptanoic acid (PFHpA)	100	1.3	J	1.2	J
Perfluorooctanoic acid (PFOA)	10	**3.9**		**4.7**	
Perfluorononanoic acid (PFNA)	100	ND	U	ND	U
Perfluorodecanoic acid (PFDA)	100	ND	U	ND	U
Perfluoroundecanoic acid (PFUnA)	100	ND	U	ND	U
Perfluorododecanoic acid (PFDoA)	100	ND	U	ND	U
Perfluorotridecanoic acid (PFTriA)	100	ND	U	ND	U
Perfluorotetradecanoic acid (PFTeA)	100	ND	U	ND	U
Perfluorobutanesulfonic acid (PFBS)	100	**3.2**		**3.5**	
Perfluorohexanesulfonic acid (PFHxS)	100	**1.3**	J	0.99	J
Perfluoroheptanesulfonic Acid (PFHpS)	100	ND	U	ND	U
Perfluorooctanesulfonic acid (PFOS)	10	2.8	I	ND	U
Perfluorodecanesulfonic acid (PFDS)	100	ND	U	ND	U
Perfluorooctanesulfonamide (FOSA)	100	ND	U	ND	U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		ND	U	ND	U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		ND	U	ND	U
6:2 FTS		ND	U *	ND	U *
8:2 FTS		ND	U	ND	U
Total Conc	500	24.6		16.59	

TABLE 9
Soil Vapor Sample Data

Poestenkill Place - Brownfield Cleanup Project

City of Troy, NY - 244-246 First Street

NYSDEC Site No. C442058, B&L 2248.001

TABLE 9
SOIL VAPOR SAMPLE DATA

SUMMARY OF ANALYTICAL RESULTS

Sample ID	**AMBIENT AIR**		**SV-1**		**SV-2**	
Lab Sample Number	**70135049001**		**70135049008**		**70135049001**	
Sampling Date	**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix	**Air**		**Air**		**Air**	
Units	**ug/m3**		**ug/m3**		**ug/m3**	
	Low		**Low**		**Low**	
Volatiles - 8260C						
1,1,1-Trichloroethane	ND		ND		ND	
1,1,2,2-Tetrachloroethane	ND		ND		ND	
1,1,2-Trichloroethane	ND		ND		ND	
1,1,2-Trichlorotrifluoroethane	ND		ND		ND	
1,1-Dichloroethane	ND		ND		ND	
1,1-Dichloroethene	ND		ND		ND	
1,2,4-Trichlorobenzene	ND		ND		ND	
1,2,4-Trimethylbenzene	ND		ND		ND	
1,2-Dibromoethane (EDB)	ND		ND		ND	
1,2-Dichlorobenzene	ND		ND		ND	
1,2-Dichloroethane	ND		ND		ND	
1,2-Dichloropropane	ND		ND		ND	
1,3,5-Trimethylbenzene	ND		ND		ND	
1,3-Butadiene	ND		ND		ND	
1,3-Dichlorobenzene	ND		ND		ND	
1,4-Dichlorobenzene	ND		ND		ND	
2-Butanone (MEK)	ND		ND		1870	
2-Hexanone	ND		ND		ND	
2-Propanol	ND		ND		ND	
4-Ethyltoluene	ND		ND		ND	
4-Methyl-2-pentanone (MIBK)	ND		ND		ND	
Acetone	8.7		ND		740	
Benzene	ND		27.2		37.7	
Benzyl chloride	ND		ND		ND	
Bromodichloromethane	ND		ND		ND	
Bromoform	ND		ND		ND	
Bromomethane	ND		ND		ND	
Carbon disulfide	ND		ND		ND	
Carbon tetrachloride	ND		ND		ND	
Chlorobenzene	ND		ND		ND	
Chloroethane	ND		ND		ND	
Chloroform	ND		ND		ND	
Chloromethane	ND		ND		ND	
Cyclohexane	ND		ND		ND	
Dibromochloromethane	ND		ND		ND	
Dichlorodifluoromethane	2.6		ND		ND	
Dichlorotetrafluoroethane	ND		ND		ND	
Ethanol	7.8		ND		ND	
Ethyl acetate	ND		ND		ND	
Ethylbenzene	ND		ND		ND	
Hexachloro-1,3-butadiene	ND		ND		ND	
Methyl-tert-butyl ether	ND		ND		ND	
Methylene Chloride	ND		ND		ND	
Naphthalene	ND		ND		ND	
Propylene	ND		ND		ND	
Styrene	ND		ND		ND	
Tetrachloroethene	ND		ND		ND	
Tetrahydrofuran	ND		ND		ND	
Toluene	ND		726		ND	
Trichloroethene	ND		ND		ND	
Trichlorofluoromethane	ND		ND		ND	
Vinyl acetate	ND		ND		ND	
Vinyl chloride	ND		ND		ND	
cis-1,2-Dichloroethene	ND		ND		ND	
cis-1,3-Dichloropropene	ND		ND		ND	
m&p-Xylene	ND		ND		ND	
n-Heptane	ND		1080		917	
n-Hexane	1.4		4900		4170	
o-Xylene	ND		ND		ND	
trans-1,2-Dichloroethene	ND		ND		ND	
trans-1,3-Dichloropropene	ND		ND		ND	

Poestenkill Place - Brownfi

City of Troy, NY - 244-246 First St

NYSDEC Site No. C442058, B&L 2

TABLE 9

SOIL VAPOR SAMPLE

SUMMARY OF ANALYTICAL RESUL

Sample ID	**SV-3**		**SV-4**		**SV-5**		**SV-6**	
Lab Sample Number	**70135049006**		**70135049007**		**70135049004**		**70135049002**	
Sampling Date	**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**	
Matrix	**Air**		**Air**		**Air**		**Air**	
Units	**ug/m3**		**ug/m3**		**ug/m3**		**ug/m3**	
	Low		**Low**		**Low**		**Low**	
Volatiles - 8260C								
1,1,1-Trichloroethane	ND		ND		6.7		ND	
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND	
1,1,2-Trichloroethane	ND		ND		ND		ND	
1,1,2-Trichlorotrifluoroethane	ND		ND		ND		ND	
1,1-Dichloroethane	ND		ND		ND		ND	
1,1-Dichloroethene	ND		ND		ND		ND	
1,2,4-Trichlorobenzene	ND		ND		ND		ND	
1,2,4-Trimethylbenzene	ND		ND		ND		ND	
1,2-Dibromoethane (EDB)	ND		ND		ND		ND	
1,2-Dichlorobenzene	ND		ND		ND		ND	
1,2-Dichloroethane	ND		ND		ND		ND	
1,2-Dichloropropane	ND		ND		ND		ND	
1,3,5-Trimethylbenzene	ND		ND		ND		ND	
1,3-Butadiene	ND		ND		ND		ND	
1,3-Dichlorobenzene	ND		ND		ND		ND	
1,4-Dichlorobenzene	ND		ND		ND		ND	
2-Butanone (MEK)	2840		1830		1160		1050	
2-Hexanone	198		ND		149		ND	
2-Propanol	ND		ND		ND		ND	
4-Ethyltoluene	ND		ND		ND		ND	
4-Methyl-2-pentanone (MIBK)	ND		ND		ND		ND	
Acetone	357		ND		124		ND	
Benzene	3.5		ND		3.3		ND	
Benzyl chloride	ND		ND		ND		ND	
Bromodichloromethane	ND		ND		ND		ND	
Bromoform	ND		ND		ND		ND	
Bromomethane	ND		ND		ND		ND	
Carbon disulfide	7.8		ND		2.5		ND	
Carbon tetrachloride	ND		ND		ND		ND	
Chlorobenzene	ND		ND		ND		ND	
Chloroethane	ND		52.1		ND		ND	
Chloroform	ND		ND		ND		ND	
Chloromethane	5.8		ND		ND		ND	
Cyclohexane	ND		ND		ND		ND	
Dibromochloromethane	ND		ND		ND		ND	
Dichlorodifluoromethane	9.9		ND		ND		ND	
Dichlorotetrafluoroethane	ND		ND		2.8		ND	
Ethanol	71.7		ND		32.6		ND	
Ethyl acetate	ND		ND		ND		ND	
Ethylbenzene	ND		ND		2.4		ND	
Hexachloro-1,3-butadiene	ND		ND		ND		ND	
Methyl-tert-butyl ether	ND		ND		ND		ND	
Methylene Chloride	ND		ND		7.2		ND	
Naphthalene	ND		ND		ND		ND	
Propylene	211		ND		ND		ND	
Styrene	ND		ND		3.2		ND	
Tetrachloroethene	ND		ND		6.7		ND	
Tetrahydrofuran	ND		ND		ND		ND	
Toluene	8.1		5250		102		98.7	
Trichloroethene	ND		ND		ND		ND	
Trichlorofluoromethane	98.2		ND		6.8		ND	
Vinyl acetate	ND		99.8		ND		ND	
Vinyl chloride	ND		ND		ND		ND	
cis-1,2-Dichloroethene	ND		ND		ND		ND	
cis-1,3-Dichloropropene	ND		ND		ND		ND	
m&p-Xylene	ND		ND		5.1		ND	
n-Heptane	434		ND		ND		705	
n-Hexane	1570		747		325		1610	
o-Xylene	ND		ND		1.7		ND	
trans-1,2-Dichloroethene	ND		ND		ND		ND	
trans-1,3-Dichloropropene	ND		ND		ND		ND	

Poestenkill Place - Brownfi

City of Troy, NY - 244-246 First St

NYSDEC Site No. C442058, B&L 2

TABLE 9

SOIL VAPOR SAMPLE

SUMMARY OF ANALYTICAL RESUL

Sample ID	**SV-7**		**SV-8**		**SV-9**		**SV-10**
Lab Sample Number	**70135049003**		**70135049001**		**70135049001**		**70135049005**
Sampling Date	**6/16/2020**		**6/16/2020**		**6/16/2020**		**6/16/2020**
Matrix	**Air**		**Air**		**Air**		**Air**
Units	**ug/m3**		**ug/m3**		**ug/m3**		**ug/m3**
	Low		**Low**		**Low**		**Low**
Volatiles - 8260C							
1,1,1-Trichloroethane	ND		ND		ND		7.2
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND
1,1,2-Trichloroethane	ND		ND		ND		ND
1,1,2-Trichlorotrifluoroethane	ND		ND		ND		ND
1,1-Dichloroethane	ND		ND		ND		ND
1,1-Dichloroethene	ND		ND		ND		ND
1,2,4-Trichlorobenzene	ND		ND		ND		ND
1,2,4-Trimethylbenzene	ND		ND		ND		ND
1,2-Dibromoethane (EDB)	ND		ND		ND		ND
1,2-Dichlorobenzene	ND		ND		ND		ND
1,2-Dichloroethane	ND		ND		ND		ND
1,2-Dichloropropane	ND		ND		ND		ND
1,3,5-Trimethylbenzene	ND		ND		ND		ND
1,3-Butadiene	ND		ND		ND		ND
1,3-Dichlorobenzene	ND		ND		ND		ND
1,4-Dichlorobenzene	ND		ND		ND		ND
2-Butanone (MEK)	616		4530		ND		822
2-Hexanone	19.4		ND		ND		155
2-Propanol	ND		ND		ND		ND
4-Ethyltoluene	ND		ND		ND		ND
4-Methyl-2-pentanone (MIBK)	ND		ND		ND		ND
Acetone	220		ND		ND		92.4
Benzene	ND		ND		116		2.3
Benzyl chloride	ND		ND		ND		ND
Bromodichloromethane	ND		ND		ND		ND
Bromoform	ND		ND		ND		ND
Bromomethane	ND		ND		ND		1.3
Carbon disulfide	ND		ND		ND		25.8
Carbon tetrachloride	ND		ND		ND		ND
Chlorobenzene	ND		ND		ND		ND
Chloroethane	ND		ND		ND		ND
Chloroform	ND		ND		ND		ND
Chloromethane	ND		ND		1150		ND
Cyclohexane	ND		ND		ND		ND
Dibromochloromethane	ND		ND		ND		3
Dichlorodifluoromethane	ND		ND		ND		ND
Dichlorotetrafluoroethane	ND		ND		ND		ND
Ethanol	50.8		ND		ND		18.3
Ethyl acetate	ND		ND		ND		ND
Ethylbenzene	ND		ND		ND		3
Hexachloro-1,3-butadiene	ND		ND		ND		ND
Methyl-tert-butyl ether	ND		ND		ND		ND
Methylene Chloride	34		ND		ND		ND
Naphthalene	ND		ND		ND		ND
Propylene	50		ND		ND		23.7
Styrene	ND		ND		ND		2.8
Tetrachloroethene	ND		ND		ND		1.2
Tetrahydrofuran	ND		ND		ND		ND
Toluene	9.2		ND		656		1000
Trichloroethene	ND		ND		ND		ND
Trichlorofluoromethane	ND		ND		ND		14.8
Vinyl acetate	ND		396		ND		ND
Vinyl chloride	ND		ND		ND		ND
cis-1,2-Dichloroethene	ND		ND		ND		ND
cis-1,3-Dichloropropene	ND		ND		ND		ND
m&p-Xylene	ND		ND		ND		7
n-Heptane	ND		1300		8590		ND
n-Hexane	13.5		3550		61400		ND
o-Xylene	ND		ND		ND		2.4
trans-1,2-Dichloroethene	ND		ND		ND		ND
trans-1,3-Dichloropropene	ND		ND		ND		ND