NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
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September 10, 2020

Mr. John C. Brussel, P.E.
Arcadis of New York, Inc.
One Lincoln Center
110 West Fayette Street, Suite 300
Syracuse, NY 13202

Re: Versaire Building Drainage Improvements - Soil Screening and Community Air Monitoring Summary
National Grid, North Albany Service Center
NM - North Albany, Site No. 401040

Dear Mr. Brussel:

The New York State Department of Environmental Conservation (Department) and the New York State Department of Health (NYSDOH) have reviewed the Versaire Building Drainage Improvements letter pertaining to the above referenced site provided to the Department on September 4, 2020. The Department and NYSDOH find the report to be acceptable.

If you have any questions, please contact me at 518-402-2029 or email: greta.white@dec.ny.gov.

Sincerely,



Greta White, P.G.
Project Manager
Remedial Action Bureau C
Division of Environmental Remediation

EC: D. Eaton, NYSDEC
J. Brown, NYSDEC
A. Perretta, NYSDOH
J. Deming, NYSDOH
G. Cummins, NG
M. Root, NG

NEW YORK STATE OF OPPORTUNITY. Department of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

LISA J. PINO, M.A., J.D.
Executive Deputy Commissioner

September 2, 2020

Ms. Greta White, P.G.
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233

Re: Drainage Improvement Summary Report
North Albany MGP Site
Site #401040
Albany, Albany County

Dear Ms. White:

I have reviewed the July 2020 Versaire Building Drainage Improvements Summary report for the above referenced site. I have no public health related comments to offer. I find the report acceptable. If you have any questions please contact me at (518) 402-7860.

Sincerely,

Anthony Perretta
Public Health Specialist 2
Bureau of Environmental Exposure Investigation

ec: J. Deming / e-File
R. Swider – NYSDOH CAEHP
R. Groves – ACHD
J. Brown / D. Eaton – NYSDEC Central Office
A. Fleck – NYSDEC Region 4

ARCADIS Design & Consultancy for natural and built assets

Mr. Douglas MacNeal, P.E.
Project Manager
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7017

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Subject:
National Grid
North Albany Service Center
Versaire Building Drainage Improvements
Soil Screening and Community Air Monitoring Summary

ENVIRONMENT

Date:
September 4, 2020

Contact:
John C. Brussel, P.E.

Phone:
315.671.9441

Email:
John.Brussel@arcadis.com

Our ref:
30031443 #10

Dear Mr. MacNeal:

On behalf of National Grid, this letter summarizes the environmental procedures implemented during excavation and material handling for the construction of drainage improvements in and around the Versaire Building at the National Grid North Albany Service Center (site). The drainage improvements were constructed by National Grid's contractor, Hitchcock Building and Ground Maintenance, Inc. (Hitchcock) between November 21, 2019 and January 28, 2020. Hitchcock performed work in accordance with the environmental procedures outlined in a September 27, 2019 letter from Arcadis of New York, Inc. (Arcadis) to the New York State Department of Environmental Conservation (NYSDEC) that also presents findings of the focused investigation conducted in support of the planned drainage improvements. Arcadis provided an onsite technician to observe excavation operations by Hitchcock and conduct air monitoring. Arcadis was onsite when ground-intrusive activities were performed inside and outside the Versaire Building.

No coal tar dense non-aqueous phase liquid (DNAPL) was encountered in the trenches/excavations for the drainage improvements, except for a small pocket of residual tar-like material in one isolated area of trench. Community air monitoring action levels were not exceeded during the outdoor portion of the drainage improvements work. A few isolated elevated volatile organic compound (VOC) readings were noted during work inside the Versaire Building, but they were attributed to exhaust from the excavator idling nearby or passing by the air monitoring stations.

An overview of the drainage improvements is presented below, followed by a summary of the environmental procedures implemented during construction of the improvements.

I. DRAINAGE IMPROVEMENTS OVERVIEW

The site location is shown on Figure 1, and the drainage improvements area is shown on Figure 2. The drainage improvements included the three elements described below (and shown on Figure 3) to improve storm water management outside the Versaire Building and floor drain water management inside the building:

- *French Drain:* Two parallel sets of 8-inch diameter perforated high-density polyethylene (HDPE) piping in stone-filled trenches spanning approximately 170 lineal feet (LF) and four Nyoplast drain basins were installed along the west side of the Versaire Building. The Nyoplast drains were installed directly opposite existing downspouts from the Versaire building roof gutter system in the area. This new French drain system is intended to convey the roof drainage and runoff from the area, including from a new 30-foot long trench drain in front of the overhead door on the west side of the Versaire Building.
- *Expanded Storm Sewer System:* Approximately 185 LF of new 12-inch HDPE pipping was installed to convey storm water flow from the above-referenced French drain system and two new 4-foot diameter catch basins (catch basin CB-1 just outside the northwest corner of the Versaire Building, and catch basin CB-2 approximately 70 feet east of the northeast corner of the Versaire Building) to an existing storm sewer system in the Yard Storage Area.
- *Replacement Interior Trench Drains:* New composite trench drains interconnected by 4-inch diameter sanitary pipe were installed inside the Versaire building and connected to a below-ground oil-water separator. The new trench drains and oil-water separator automate management of water/snowmelt draining from National Grid service vehicles parked inside the building overnight.

National Grid had planned to install three new catch basins and new storm sewer piping that would extend around the west and south sides of the Versaire Building. The new piping would also convey flow from the new 30-foot long trench drain to be installed opposite the overhead door on the west side of the Versaire building. However, a concrete slab covering underground electric service to the Versaire Building was encountered when excavating near the proposed catch basin CB-1 location (southwest of the overhead door) and required a redesign by National Grid's design engineer. The NYSDEC was notified of the design change in December 2, 2019 e-mail correspondence from Arcadis, included in Attachment 1. The proposed new storm sewer piping was rerouted around the west and north sides of the Versaire Building, with the flow direction reversed (e.g., south-to-north instead of from north-to-south). With the design change, flow from the new 30-foot long trench drain as well as storm water runoff and roof drainage intercepted along the west side of the building are conveyed northward to a new catch basin CB-1 at the northwest corner of the building. Flow from CB-1, in turn, is then conveyed through new 12-inch diameter HDPE storm sewer piping to a second catch basin (CB-2) east/southeast and ultimately to a pre-existing catch basin (CB-6).

As-built drawings showing the Versaire Building drainage improvements are provided in Attachment 2.

II. ENVIRONMENTAL PROCEDURES SUMMARY

Conditions encountered during excavation and results of the community air monitoring program are summarized in the sections below. Photographs showing the drainage improvements construction as work was in-progress are provided in Attachment 3.

A. Excavation Observation

The excavation work on the west side of the Versaire building was completed using a vacuum truck due to concerns about the potential for unmarked utilities. The excavation work on the north side of the Versaire building was performed using a mini-excavator.

Arcadis visually characterized soil removed from the excavations and soil remaining at the excavation limits for the presence of DNAPL. Arcadis also screened the excavated soil using a photoionization detector (PID). Excavated soil was transferred to a roll-off waste container or material staging area for characterization and later offsite transportation and disposal, as described below. A daily summary of ground-intrusive and waste loading activities performed during the drainage improvements construction is presented in Table 1.

Highlights of the excavation work performed outside and inside the Versaire Building, including Arcadis' observations, are summarized below.

Outdoor Excavation

Excavation for the drainage improvements began on November 21, 2019 near the southwest corner of the Versaire Building. Trenching was performed along the proposed alignment for the new storm sewer pipe west of the building. Once the trenching was complete, excavation for the first catch basin (CB-1) began. On November 22, 2019, a concrete slab protecting underground electrical service to the Versaire Building was uncovered approximately 2-feet below ground surface within the proposed footprint for catch basin CB-1. This finding resulted in the redesign referenced above. The open excavations were subsequently backfilled with crushed stone.

The soil and debris excavated from west of the Versaire Building on November 21 and 22, 2019 were transferred to a roll-off waste container lined with polyethylene sheeting. As indicated in the focused investigation report in the above-referenced September 27, 2019 letter from Arcadis to the NYSDEC, lead had been identified at a concentration of 4,230 parts per million (ppm) in a soil sample collected from original proposed location for CB-1 at a depth of 2-3 feet below ground surface (bgs). This concentration exceeded the NYSDEC's 1,000 ppm commercial soil cleanup objective (SCO). Based on that data and subsequent waste characterization sampling, the soil excavated from this area was transported for offsite disposal as a hazardous waste due to lead.

Excavation resumed on December 5, 2019 to construct the redesigned drainage improvements, avoiding the electric utilities that presented a conflict. The revised design included: (1) two new 4-foot diameter reinforced concrete catch basins (CB-1 off the northwest corner of the Versaire Building and CB-2 approximately 108 LF to the east); (2) approximately 108 LF of 12-inch diameter HDPE piping between CB-1 and CB-2; and (3) approximately 77 LF of 12-inch diameter HDPE piping between CB-2 and existing catch basin CB-6.

The first evidence of impacted soil during the drainage improvements construction was encountered on December 16, 2020. A dark gray chalky material with a burnt rubber-like odor was encountered approximately halfway between CB-1 and CB-2. The material was screened with a PID and the result was 0.0 ppm. A small pocket of residual DNAPL-impacted soil (dry tar-like material) was encountered two days later (December 18, 2020), as the trench excavation proceeded further east toward CB-2. The soil

excavated from these two areas, totaling an estimated 14 cubic yards (CY), was transferred to a material staging area north of Building 2-4. No evidence of impacted soil was encountered when excavating for the French drain or new trench drain on the west side of the Versaire building.

A suspected former #2 fuel oil underground storage tank (UST) was encountered on the east side of the Versaire building on January 15, 2020 when excavating a trench for the oil-water separator tank discharge to an existing sanitary sewer. The top of the UST was encountered approximately 18 inches bgs. A very slight #2 fuel oil-type odor was noted from a small hole in the top of the tank (see Photograph 19 in Attachment 3). A PID measurement of 156 ppm was obtained when screening the air inside the UST. Arcadis notified the NYSDEC of the tank discovery via telephone and e-mail on January 15, 2020, and National Grid submitted a petroleum-bulk storage application form to the NYSDEC on January 21, 2020 to register the newly-found tank and document its closure (see Attachment 1).

National Response Corporation (NRC) removed and cleaned the tank on January 16, 2020. Several corrosion holes were observed in the tank upon its removal (see Photographs 20 to 22 in Attachment 3). Based on tank measurements (10.7-feet long and 4-feet in diameter), the tank capacity had a 1,000-gallon capacity. Although Arcadis initially reported seeing a small amount of liquid in the tank, none was noticed when the tank was removed, and the soil surrounding the tank was observed to exhibit no staining or obvious odors. NRC cleaned the tank and placed the limited residuals (debris) from the tank bottom and personal protective equipment (PPE) used in cleaning the tank into one steel 55-gallon drum. Soil from the tank excavation, which extended approximately 18-inches beyond the sides and bottom of the tank, was stockpiled adjacent to the excavation for potential later reuse. The approximate limits of the UST excavation are shown on Figure 3. Arcadis collected verification soil samples from the tank excavation (one sample from each sidewall and one sample from the bottom) for laboratory analysis for Target Compound List (TCL) volatile organic compounds (VOCs) and TCL semi-volatile organic compounds (SVOCs). Based on the laboratory analytical results (which were provided to the NYSDEC on January 21, 2020 and included in Attachment 1), no VOCs or SVOCs were detected above laboratory detection limits in any of the verification soil samples. The tank excavation was backfilled with reuse soil and crushed stone on January 21, 2020.

Indoor Excavation

Work began inside the Versaire Building on January 17, 2020 with concrete removal. Indoor excavation was completed in stages to keep the Versaire Building accessible for service trucks to park overnight. On January 27, 2020, approximately 1 CY of grey material with a petroleum-like odor was removed from the excavation for the trench drain in the center of the building and transferred to the material staging area for characterization and subsequent offsite transportation and disposal. Ground-intrusive work inside the Versaire Building was completed on January 28, 2020.

B. Air Monitoring

Summaries of the community air monitoring performed during work outside the Versaire Building and work-zone air monitoring performed during work inside the Versaire Building are presented below. A daily summary of work activities and daily air monitoring results are presented in Table 2. The air monitoring station locations are described in Table 3 and shown on the sketches in Attachment 4. Weather data, including temperature, wind speed, and wind direction, which were measured and recorded hourly during

the outdoor and indoor air monitoring (and used to select upwind and downwind monitoring stations) are presented in Table 4.

Outdoor Community Air Monitoring

Arcadis performed community air monitoring during the outdoor excavation in accordance with the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP) included in Appendix 1A to the NYSDEC's Program Policy Document titled, DER-10 / Technical Guidance for Site Investigation and Remediation, dated May 3, 2010. This involved monitoring for VOC vapors and particulates less than 10 micrometers in diameter (PM_{10}) at one upwind and one downwind monitoring station that were located daily based on work activities and wind direction (stations UW-1 through UW-3 and DW-1 through DW-3 as shown on the sketches in Attachment 4). VOC vapor monitoring was conducted using a MiniRAE Model 3000 PID, and particulate monitoring was performed using a TSI DustTrak II Aerosol Monitor Model 8530. The monitoring equipment calculated 15-minute running average concentrations. No exceedances of the action levels specified in the CAMP (i.e., 5 ppm above background for VOCs and 0.150 mg/m^3 above background for PM_{10} over a 15-minute average) were identified by the monitoring. Elevated PM_{10} concentrations were identified at both the upwind and downwind monitoring stations during initial outdoor work on January 17, 2020 (i.e., 0.313 mg/m^3 at the upwind station and 0.240 mg/m^3 at the downwind station). These elevated readings were attributed to an instrument calibration issue after the instruments were moved from indoors to outdoors. Following recalibration, the TSI DustTrack II Aerosol Monitor recorded lower values.

Indoor Air Monitoring

Arcadis performed air monitoring at two indoor locations (stations) during concrete removal/soil excavation inside the Versaire Building. Station OD1 was located near the overhead door at the north end of the building, and station MD1 was located near a man-door to the interior office space. Arcadis used the same instruments that were used for the outdoor community air monitoring but with the following different alert and action levels:

Action	Total VOCs (ppm)	PM_{10} (mg/m^3)
Continue Working	<2.3	<1.5
Monitor Continuously	2.3 - 4.7	1.5 - 3.0
Stop Work	>4.7	>3.0

Two exceedances of total VOC action levels were recorded, but both were determined to be unrelated to the concrete or soil removal inside the building, as described below:

- January 17, 2020: The PID at station MD1 sounded the stop work alarm at 9:55 am. The 15-minute average of 21.8 ppm exceeded the stop work limit. Accordingly, work was stopped and Arcadis evaluated the cause of the elevated reading. After examining the instantaneous data, it was determined the elevated reading was caused by the excavator passing station MD1 at 9:55 am and affecting the equipment calibration. The PID was recalibrated and work resumed with no further issues that day.

- January 23, 2020: The PID at station OD1 sounded the stop work alarm at 12:25 pm. The 15-minute average of 9.1 ppm exceeded the stop work limit. Accordingly, work was stopped and Arcadis evaluated the cause of the elevated reading. A 301.3 peak reading was identified for the 15-minute period and resulted in the 15-minute time-weighted average exceeding the stop work action limit. That peak reading was attributed to the excavator idling briefly next to station OD1. Work continued after better cross ventilation was established and the construction team agreed to limit equipment idle time inside the building. These measures limited exhaust fumes and resulted in no additional "stop work" exceedances.

As work progressed inside the Versaire Building, it became apparent that airborne particulate levels were increasing. The particulates were from equipment driving over concrete dust that had accumulated on the concrete surface after jack-hammering was performed to remove adjacent sections of concrete floor slab for the proposed new trench drains. Work was temporarily halted and a meeting was held to determine how to minimize the dust. A decision was made to have the excavator spotter sweep dust off the concrete slab into the adjacent excavation as concrete dust was generated. This change was effective in limiting dust as work continued.

C. Soil Handling and Disposal

As indicated above, the lead-impacted soil removed from the trench/excavation near the originally-proposed location for catch basin CB-1 was transferred to a roll-off waste container. The remaining soil removed from the trenches for the new drainage features outside and inside the Versaire Building was transferred to the material staging area north of Building 2-4. The debris from the UST tank bottom and PPE were placed in a steel 55-gallon drum. These wastes were characterized by National Grid's waste disposal vendor and transported for proper offsite disposal as follows:

- The lead-impacted soil from around catch basin CB-1 (9.2 tons) was transported to the US Ecology Wayne Disposal, Inc. landfill in Belleville, Michigan on March 3, 2020 for offsite treatment/disposal as a hazardous waste for lead (waste code D008).
- The soil/debris from the material staging area (153 tons, four truckloads) was transported to the ESMI of New York, LLC thermal treatment facility in Fort Edward, New York on January 31, 2020 for offsite treatment/disposal.
- The steel 55-gallon drum containing tank debris and PPE was transported to the Covanta Niagara disposal facility in Niagara Falls on March 6, 2020 for offsite disposal.

Fully-executed waste manifests for the materials generated by the drainage improvements construction and transported for offsite treatment/disposal are included in Attachment 5.

D. Wastewater

No wastewater was generated by the drainage improvements construction work. None of the excavations extended below the groundwater table. Precipitation that accumulated within the excavations infiltrated into the soil.

E. Backfilling

The excavations for the new catch basins, storm sewer piping, and trench drains were backfilled with imported crushed stone.

F. Equipment Decontamination

Equipment used in connection with excavation operations operated from asphalt-paved or concrete surfaces. The only part of the equipment contacting soil was the excavator bucket. The soil excavated for the drainage improvements was mostly granular material with little adhering to the excavator bucket. The adhered soil was removed from the bucket, as needed, by brushing.

III. SUMMARY & CONCLUSIONS

As indicated above, no coal tar DNAPL was encountered during excavation for the drainage improvements, except for a small pocket of residual tar-like material in one isolated area of trench north of the Versaire Building. Community air monitoring action levels were not exceeded during the work outdoors. A few isolated elevated VOC readings were noted during work inside the Versaire Building, but they were attributed to exhaust from the excavator idling near or passing by the air monitoring stations.

The wastes generated by the drainage improvements have been transported offsite for disposal, and restoration work is complete. National Grid reports that the new drainage features are functioning as designed.

Please do not hesitate to contact Garry Cummins (National Grid Site Investigation and Remediation Project Manager at 315.440.5825), Matt Root (National Grid Safety, Health and Environment Compliance at 518.433.3696) or the undersigned at 315.671.9441 if you have any questions or need additional information.

Sincerely,

Arcadis of New York, Inc.

John C. Brussel

John C. Brussel, P.E.
Principal Engineer/Certified Project Manager

Copies:
Mr. Gerald P. Cummins, National Grid (via e-mail)
Mr. Matthew Root, National Grid (via e-mail)
Mr. Steven S. Plansker, National Grid (via e-mail)
Mr. Andrew R. Blaszkow, Nelson Associates Architectural Engineering (via e-mail)

Enclosures:

Tables

1 Ground-Intrusive Activities and Waste Handling Schedule
2 Daily Work Activities and Air Monitoring Results
3 Air Monitoring Stations
4 Weather Data

Figures

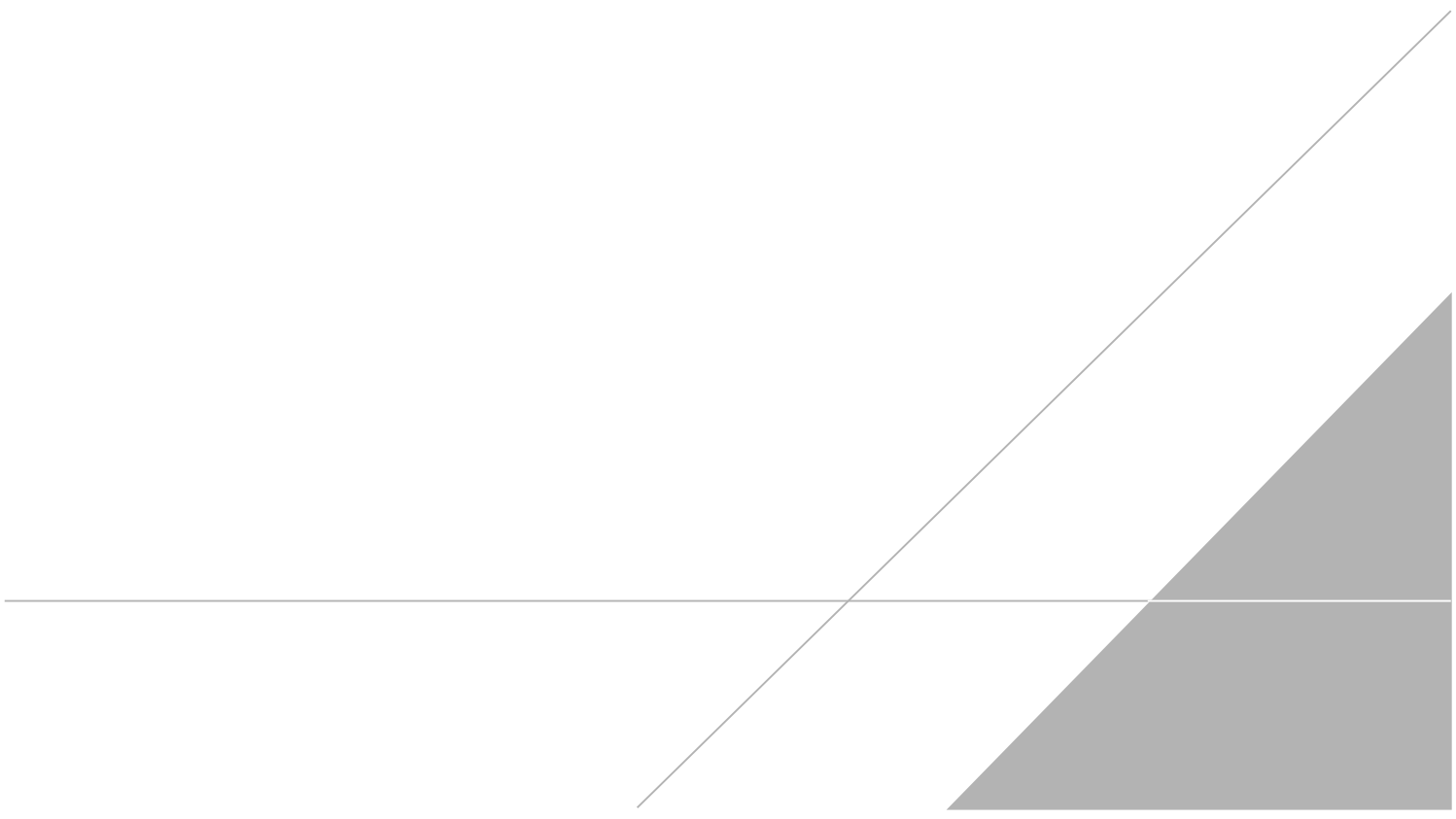
1 Site Location Map
2 Site Plan

3 Versaire Building Drainage Improvements

Attachments

1 Relevant Project Correspondence
2 Record Drawings
3 Photograph Log
4 Air Monitoring Station Locations
5 Waste Manifests and Treatment/Disposal Paperwork

TABLES



ARCADIS Design & Consultancy for natural and built assets

Table 1
Daily Ground-Intrusive Activities and Waste Handling Schedule

National Grid
North Albany Service Center
Versaire Building Drainage Improvements

Week of	Weekday											
	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday	
	Ground-Intrusive Activities	Waste Handling	Ground-Intrusive Activities	Waste Handling	Ground-Intrusive Activities	Waste Handling	Ground-Intrusive Activities	Waste Handling	Ground-Intrusive Activities	Waste Handling	Ground-Intrusive Activities	Waste Handling
11/18/2019							X		X	X		
11/25/2019												
12/2/2019							X		X		X	
12/9/2019					X		X		X			
12/16/2019	X	X	X		X	X						
12/23/2019												
12/30/2019												
1/6/2020					X							
1/13/2020					X	X	X	X	X			
1/20/2020	X		X	X	X		X		X			
1/27/2020	X		X									

Table 2
Daily Work Activities and Air Monitoring Results

National Grid
North Albany Service Center
Versaire Building Drainage Improvements

Date	Description of Work & Environmental Conditions	Air Monitoring Location & Serial No.	Parameter	Background Level	Daily Average	Max 15 Min. Avg.	Time of Exceedance	Comments
11/21/2019	Work began onsite with pavement removal. No intrusive work performed.	UW1/592-911991	Total VOCs (ppm)	0.0	0.0	0.0	NA	
		DW1/592-908172			0.000	0.000	NA	
		UW1/8530152017	PM_{10} (mg/m^3)	-0.070	-0.070	0.000	NA	
		DW1/8530182411			0.030	0.062	NA	
11/22/2019	Vacuum truck onsite to excavate CB-1; one truckload of soil containing suspected lead-impacted soil transported offsite for treatment/disposal. Electric conduit uncovered at CB-1. No NAPL-impacted soil observed.	UW1/592-911991	Total VOCs (ppm)	0.0	0.0	0.0	NA	
		DW1/592-908172			0.000	0.000	NA	
		UW1/8530152017	PM_{10} (mg/m^3)	0.029	0.029	0.060	NA	
		DW1/8530182411			0.027	0.057	NA	
12/5/2019	Air monitoring locations adjusted to accommodate the new storm sewer design. No intrusive work today (only pavement cutting).	UW2/592-911991	Total VOCs (ppm)	0.0	0.0	0.0	NA	
		DW2/592-908172			0.000	0.002	NA	
		UW2/8530152017	PM_{10} (mg/m^3)	0.006	0.006	0.008	NA	
		DW2/8530182411			0.047	0.314	NA	
12/6/2019	Pavement removal and vacuum truck excavation on northwest corner of Versaire Building. No NAPL-impacted soil observed.	UW2/592-911991	Total VOCs (ppm)	0.0	0.0	0.0	NA	
		DW2/592-908172			0.000	0.000	NA	
		UW2/8530152017	PM_{10} (mg/m^3)	0.028	0.028	0.054	NA	
		DW2/8530182411			0.021	0.035	NA	

Table 2
Daily Work Activities and Air Monitoring Results

National Grid
North Albany Service Center
Versaire Building Drainage Improvements

Date	Description of Work & Environmental Conditions	Air Monitoring Location & Serial No.	Parameter	Background Level	Daily Average	Max 15 Min. Avg.	Time of Exceedance	Comments
12/7/2019	First catch basin installed. Excavated through previously-screened backfill.	UW2/592-911991	Total VOCs (ppm)	0.1	0.1	0.1	NA	
		DW2/592-908172			0.152	0.201	NA	
		UW2/8530152017	PM_{10} (mg/m^3)	0.018	0.018	0.027	NA	
		DW2/8530182411			0.013	0.021	NA	
12/11/2019	Vacuum truck continued work on west side of Versaire Building. Excavator began trench excavation on north side of building. No NAPL-impacted soil observed.	UW2/592-911991	Total VOCs (ppm)	0.1	0.1	0.1	NA	
		DW2/592-908172			0.117	0.186	NA	
		UW2/8530152017	PM_{10} (mg/m^3)	0.006	0.006	0.012	NA	
		DW2/8530182411			0.009	0.024	NA	
12/12/2019	Vacuum truck continued work on west side of Versaire Building. Pavement removal continued on the north side. No NAPL-impacted soil observed.	UW2/592-911991	Total VOCs (ppm)	0.1	0.1	0.1	NA	
		DW2/592-908172			0.161	0.265	NA	
		UW2/8530152017	PM_{10} (mg/m^3)	0.019	0.019	0.050	NA	
		DW2/8530182411			0.030	0.060	NA	
12/13/2019	Vacuum truck excavated catch basins off the northeast corner of the Versaire Building. No NAPL-impacted soil observed.	UW2/592-911991	Total VOCs (ppm)	0.1	0.1	0.1	NA	
		DW2/592-908172			0.137	0.234	NA	
		UW2/8530152017	PM_{10} (mg/m^3)	0.022	0.022	0.024	NA	
		DW2/8530182411			0.021	0.026	NA	

Table 2
Daily Work Activities and Air Monitoring Results

National Grid
North Albany Service Center
Versaire Building Drainage Improvements

Date	Description of Work & Environmental Conditions	Air Monitoring Location & Serial No.	Parameter	Background Level	Daily Average	Max 15 Min. Avg.	Time of Exceedance	Comments
12/16/2019	Pipe was installed on west side of Versaire Building. Excavation continued on north side. Chalky black-colored material encountered in north trench smelled like burnt rubber and was removed for disposal. No NAPL-impacted soil observed.	UW2/592-911991	Total VOCs (ppm)	0.1	0.1	0.1	NA	
		DW2/592-908172			0.161	0.211	NA	
		UW2/8530152017	PM_{10} (mg/m^3)	0.011	0.011	0.049	NA	
		DW2/8530182411			0.013	0.028	NA	
12/17/2019	Excavation continued on north side of Versaire Building. An unmarked 2-inch diameter cast iron pipe was uncovered. The new storm drain pipe was installed below. No NAPL impacted-soil observed.	UW2/SN-911991	Total VOCs (ppm)	0.1	0.1	0.2	NA	
		DW2/592-908172			0.254	0.327	NA	
		UW2/8530152017	PM_{10} (mg/m^3)	0.093	0.093	0.156	NA	
		DW2/8530182411			0.022	0.034	NA	
12/18/2019	Excavation continued on the east side of Versaire Building. Unmarked fiber-optic line and unknown conduit were uncovered. New storm sewer pipe was raised and instsalled between the utilities. Tar-like material encountered near the utilities. PID reading of 0.0 ppm. Approximately 7 CY of material sent to staging area for loading/offsite disposal.	UW2/592-911991	Total VOCs (ppm)	0.1	0.1	0.1	NA	
		DW2/592-908172			0.215	0.361	NA	
		UW2/8530152017	PM_{10} (mg/m^3)	0.194	0.194	0.316	NA	
		DW2/8530182411			0.024	0.042	NA	
1/8/2020	Small subsurface drain installed on west side of Versaire Building in front of overhead door. Concrete cap encountered in SW corner of excavation, ~2.5 ft square, and 2 ft deep. Pad suspected to protect previously-uncovered electric utility. Drain raised 1 ft to avoid concrete. No NAPL-impacted soil observed.	UW1/592-907957	Total VOCs (ppm)	0.0	0.0	0.0	NA	
		DW1/592-944431			0.000	0.000	NA	
		UW1/8530172401	PM_{10} (mg/m^3)	0.037	0.037	0.059	NA	
		DW1/8530171308			0.030	0.141	NA	

Table 2
Daily Work Activities and Air Monitoring Results

National Grid
North Albany Service Center
Versaire Building Drainage Improvements

Date	Description of Work & Environmental Conditions	Air Monitoring Location & Serial No.	Parameter	Background Level	Daily Average	Max 15 Min. Avg.	Time of Exceedance	Comments
1/15/2020	Excavation began on east side of Versaire Building. Abandoned tank (suspected former #2 fuel oil UST) uncovered at south end of trench. Small hole uncovered in north end of tank. Headspace reading of 166.7 ppm. No NAPL-impacted soil observed.	UW3/592-911991	Total VOCs (ppm)	0.0	0.0	0.0	NA	
		DW3/592-906004			0.0	0.0	NA	
		UW3/8530182411	PM_{10} (mg/m^3)	0.017	0.017	0.032	NA	
		DW3/8530145206			0.020	0.057	NA	
1/16/2020	Abandoned tank removal completed. Verification soil samples collected from the excavation sidewalls and bottom. The storm sewer manhole that the drainage upgrades were to connect into on the east side of the Versaire Building was opened and found to be completely filled with gravel. No NAPL-impacted soil observed.	UW3/592-911991	Total VOCs (ppm)	0.0	0.0	0.0	NA	
		DW3/592-906004			0.0	0.0	NA	
		UW3/8530182411	PM_{10} (mg/m^3)	0.015	0.015	0.074	NA	
		DW3/8530145206			0.023	0.061	NA	
1/17/2020 Indoor	Work began inside Versaire Building with the removal of concrete near the northeast corner. Dust levels became a concern. Opening of overhead doors and use of built-in exhaust fans maintained safe airborne dust levels. No NAPL-impacted soil observed.	OD1/592-906004	Total VOCs (ppm)	0.4	0.4	2.4	NA	Total VOC concentration >5 ppm (action level) likely due to PID being momentarily affected by excavator exhaust. Handheld PID confirmed false reading. PID zeroed and readings stabilized.
		MD1/592-911991			1.4	21.8	9:55	
		OD1/8530182411	PM_{10} (mg/m^3)	0.260	0.260	1.020	NA	
		MD1/8530145206			0.219	0.990	NA	
1/17/2020 Outdoor	Work continued outside on the trench on the east side of the Versaire Building. No NAPL-impacted soil observed.	UW3/592-911991	Total VOCs (ppm)	0.0	0.0	0.0	NA	
		DW3/592-908345			0.0	0.0	NA	
		UW3/8530182411	PM_{10} (mg/m^3)	0.025	0.025	0.313	NA	
		DW3/8530145206			0.047	0.240	NA	

Table 2
Daily Work Activities and Air Monitoring Results

National Grid
North Albany Service Center
Versaire Building Drainage Improvements

Date	Description of Work & Environmental Conditions	Air Monitoring Location & Serial No.	Parameter	Background Level	Daily Average	Max 15 Min. Avg.	Time of Exceedance	Comments
1/20/2020	NRC onsite with vacuum truck to excavate hole for sump tank and oil-water separator. Truck had technical difficulties and had to leave around noon. No NAPL-impacted soil observed.	OD1/592-906004	Total VOCs (ppm)	0.1	0.1	0.9	NA	
		MD1/592-911991			0.0	0.0	NA	
		OD1/8530182411	PM_{10} (mg/m^3)	0.216	0.216	0.831	NA	
		MD1/8530145206			0.134	0.385	NA	
1/21/2020	NRC returned with a working vacuum truck to complete excavation for the sump tank and oil-water separator. Vacuum truck cleaned out filled manhole outside on east side of Versaire Building. No NAPL-impacted soil observed.	OD1/592-906004	Total VOCs (ppm)	0.0	0.0	0.1	NA	
		MD1/592-911991			0.0	0.0	NA	
		OD1/8530182411	PM_{10} (mg/m^3)	0.171	0.171	2.230	NA	
		MD1/8530145206			0.114	0.480	NA	
1/22/2020	NRC returned to expand the sump tank hole with vacuum truck. Concrete removal continued inside Versaire Building. No NAPL-impacted soil observed.	OD1/592-906004	Total VOCs (ppm)	0.3	0.3	1.0	NA	
		MD1/592-911991			0.0	0.2	NA	
		OD1/8530182411	PM_{10} (mg/m^3)	0.34	0.340	0.697	NA	
		MD1/8530145206			0.302	0.542	NA	
1/23/2020	Concrete removal and excavation continued inside Versaire Building. No NAPL-impacted soil observed.	OD1/592-906004	Total VOCs (ppm)	0.5	0.5	9.1	12:25	Total VOC reading >5 ppm likely due to momentary exposure to equipment exhaust. A peak VOC reading of 301.3 ppm dominated the average.
		MD1/592-911991			0.2	1.5	NA	
		OD1/8530182411	PM_{10} (mg/m^3)	0.363	0.363	0.887	NA	
		MD1/8530145206			0.408	2.700	NA	

Table 2
Daily Work Activities and Air Monitoring Results

National Grid
North Albany Service Center
Versaire Building Drainage Improvements

Date	Description of Work & Environmental Conditions	Air Monitoring Location & Serial No.	Parameter	Background Level	Daily Average	Max 15 Min. Avg.	Time of Exceedance	Comments
1/24/2020	Concrete removal and excavation continued inside Versaire Building. No NAPL-impacted soil observed.	OD1/592-906004	Total VOCs (ppm)	0.0	0.0	0.1	NA	Elevated total VOC reading likely due to CAMP station MD1's proximity to the excavator. When the excavator rotated, the exhaust pointed directly at station. Station height was raised to avoid exhaust.
		MD1/592-911991			1.1	4.0	NA	
		OD1/8530182411	PM_{10} (mg/m^3)	0.511	0.511	1.310	NA	
		MD1/8530145206			0.396	1.480	NA	
1/27/2020	Concrete removal and excavation continued inside Versaire Building. Drain hardware installation begins. No NAPL-impacted soil observed.	OD1/592-906004	Total VOCs (ppm)	0.0	0.0	0.1	NA	
		MD1/592-911991			0.4	1.8	NA	
		OD1/8530182411	PM_{10} (mg/m^3)	0.221	0.221	0.583	NA	
		MD1/8530145206			0.204	0.567	NA	
1/28/2020	Concrete removal and excavation completed inside Versaire Building. Drain hardware installation continued. No NAPL-impacted soil observed.	OD1/592-906004	Total VOCs (ppm)	0.0	0.0	0.4	NA	Elevated total VOC reading likely due to CAMP station MD1's proximity to the excavator. When the excavator rotated, the exhaust pointed directly at station. Station height was raised to avoid exhaust.
		MD1/592-911991			0.4	3.7	NA	
		OD1/8530182411	PM_{10} (mg/m^3)	0.089	0.089	0.514	NA	
		MD1/8530145206			0.149	0.508	NA	

Notes:

1. The action level for total volatile organic compounds (VOCs) was 5 parts per million (ppm) above background (upwind location) for a 15-minute average.
2. The action level for particulate matter less than 10 microns in diameter (PM_{10}) is 0.15 milligrams per cubic meter (mg/m^3) above background (upwind location) for a 15-minute average, or if airborne dust is observed leaving the work area.
3. NAPL = non-aqueous phase liquid.
4. ft = feet.
5. CAMP = community air monitoring plan.
6. PID = photoionization detector.

Table 3
Air Monitoring Stations

National Grid
North Albany Service Center
Versaire Building Drainage Improvements

Station ID	Description	~Easting (feet)	~Northing (feet)	Location
UW1	Upwind #1	603153	4724545	On north end of grass island off southwest corner of Versaire Building
DW1	Downwind #1	603189	4724663	Over end of guy wire anchor from utility pole on Broadway. In grass approximately 3 feet south of line of steel posts in center of parking area directly north of Versaire Building
UW2	Upwind #2	603185	4724646	In pavement approximately 5 feet east of curb next to Broadway on east side of fence and approximately 3 feet north of building's northern alignment.
DW2	Downwind #2	603251	4724627	Over corner of pavement next to southwest corner of garage, due east of building's north wall.
UW3	Upwind #3	603219	4724654	Next to steel post between second and third from west parking spot north-northwest from Versaire building
DW3	Downwind #3	603193	4724528	On north end of grass island off southeast corner of Versaire Building
MD1	Man-door #1	603196	4724593	On curbed sidewalk equidistant between southern-most mandoors to office space within Versaire building.
OD1	Overhead Door #1	603205	4724633	Immediately west of northern-most mandoor within building near northern overhead door.

Table 4
Weather Data

National Grid
North Albany Service Center
Versaire Building Drainage Improvements

Date	Time	Wind Direction	Wind Speed (mph)	Temp. (deg f)	Notes
11/21/2019	0900	W	2	33	Sunny
	1000	W	2	36	Sunny
	1100	SW	7	36	Sunny
	1200	SW	3	43	Sunny
	1300	SW	4	43	Sunny
	1400	W	4	42	Sunny
	1500	W	2	42	Sunny
11/22/2019	0800	N	5	46	Sunny
	0900	N	6	48	Cloudy
	1000	N	1	50	Rainy
	1100	NE	4	45	Rainy
	1200	NE	4	45	Rainy
	1300	NE	3	43	Rainy
12/5/2019	1000	E	4	37	Partly Cloudy
	1100	E	4	38	Partly Cloudy
	1200	E	5	38	Partly Cloudy
	1300	E	5	38	Partly Cloudy
	1400	E	5	38	Partly Cloudy
12/6/2019	0800	NE	1	31	Cloudy
	0900	-	0	31	Cloudy
	1000	-	0	31	Cloudy
	1100	-	0	31	Snowing
	1200	-	0	31	Snowing
	1300	-	0	31	Snowing
	1400	-	0	31	Snowing
12/7/2019	0800	-	0	23	Partly Cloudy
	0900	E	2	23	Partly Cloudy
	1000	E	2	23	Partly Cloudy
	1100	E	2	24	Partly Cloudy
	1200	-	0	24	Partly Cloudy
12/11/2019	0800	E	2	29	Cloudy
	0900	E	2	29	Cloudy
	1000	E	1	29	Cloudy
	1100	E	1	30	Partly Cloudy
	1200	E	1	30	Partly Cloudy
	1300	E	1	31	Sunny
	1400	E	2	31	Sunny
	1500	E	2	30	Sunny

Table 4
Weather Data

National Grid
North Albany Service Center
Versaire Building Drainage Improvements

Date	Time	Wind Direction	Wind Speed (mph)	Temp. (deg f)	Notes
12/12/2019	0800	-	0	20	Sunny
	0900	-	0	22	Sunny
	1000	-	0	22	Sunny
	1100	-	0	22	Sunny
	1200	-	0	22	Sunny
	1300	NE	1	23	Sunny
	1400	NE	2	23	Sunny
	1500	NE	2	24	Sunny
	1600	E	2	24	Sunny
12/13/2019	0800	N	1	30	Cloudy
	0900	N	1	31	Cloudy
	1000	N	1	31	Cloudy
	1100	N	1	31	Cloudy
	1200	N	2	32	Cloudy
12/16/2019	0800	NE	2	27	Cloudy
	0900	NE	2	27	Cloudy
	1000	NE	3	29	Cloudy
	1100	NE	3	29	Cloudy
	1200	NE	3	29	Cloudy
	1300	NE	3	29	Cloudy
	1400	NE	3	31	Cloudy
12/17/2019	1000	SE	3	29	Snowing
	1100	SE	3	29	Snowing
	1200	SE	2	29	Snowing
	1300	SE	2	29	Snowing
	1400	SE	2	29	Snowing
	1500	SE	2	29	Snowing
12/18/2019	0800	N	4	26	Sunny
	0900	N	4	27	Sunny
	1000	-	0	27	Partly Cloudy
	1100	N	3	27	Partly Cloudy
	1200	N	1	27	Partly Cloudy
	1300	-	0	27	Partly Cloudy
1/8/2020	0800	N	3	31	Sunny
	0900	N	2	31	Sunny
	1000	N	7	32	Sunny
	1100	N	8	30	Snowing
	1200	N	7	31	Snowing
1/15/2020	0900	SE	3	42	Cloudy
	1000	S	3	42	Cloudy
	1100	S	3	42	Cloudy
	1200	S	3	42	Cloudy
	1300	S	3	42	Partly Cloudy
	1400	SE	2	42	Sunny
	1500	SE	4	42	Sunny

Table 4
Weather Data

National Grid
North Albany Service Center
Versaire Building Drainage Improvements

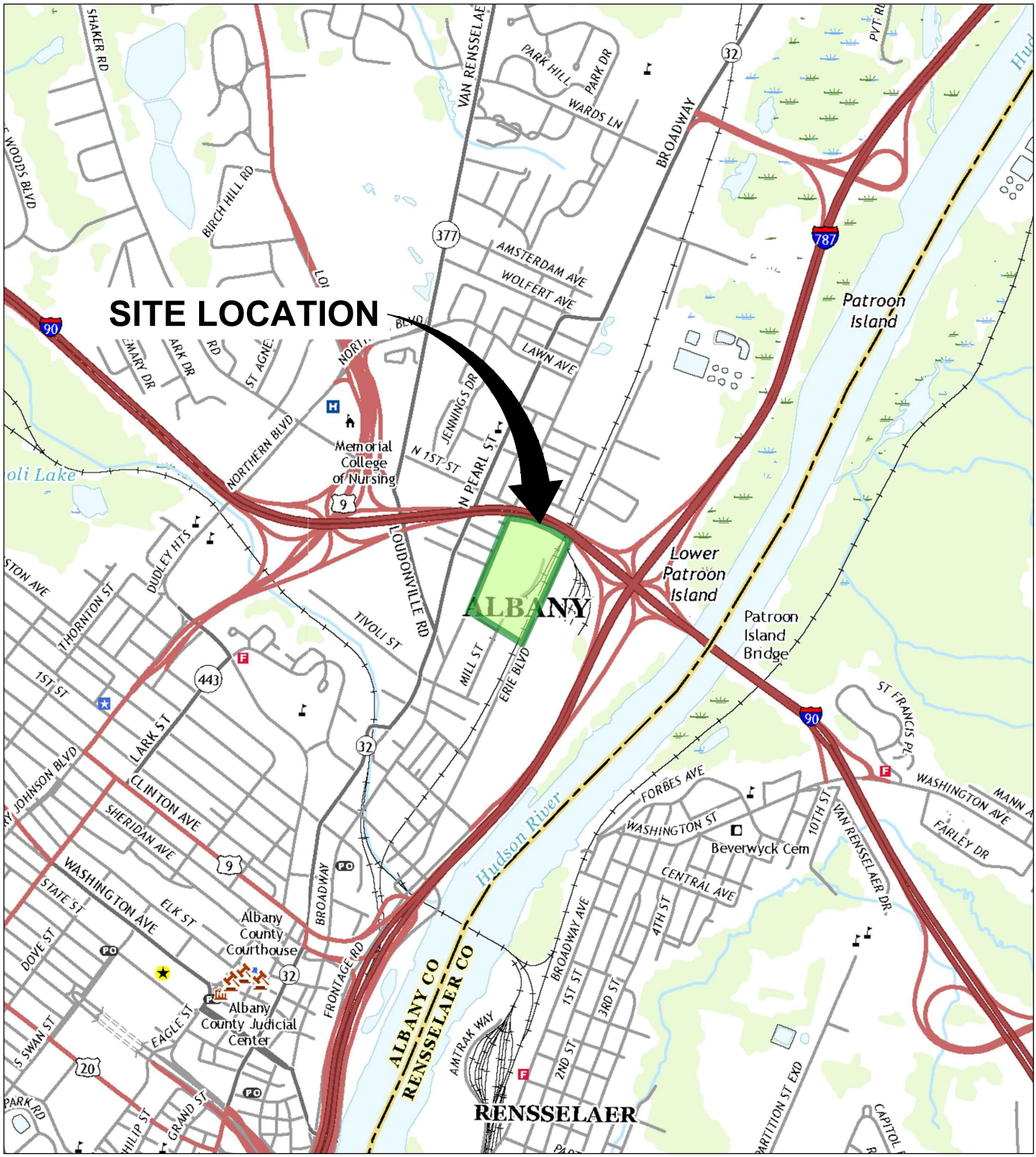
Date	Time	Outdoor			Notes	Indoor	
		Wind Direction	Wind Speed (mph)	Temp. (deg f)		Wind Direction	Wind Speed (mph)
1/16/2020	0900	E	2	35	Partly Cloudy	NA	NA
	1000	E	3	37	Sunny	NA	NA
	1100	S	4	41	Partly Cloudy	NA	NA
	1200	E	4	42	Partly Cloudy	NA	NA
	1300	E	5	43	Partly Cloudy	NA	NA
	1400	E	4	42	Partly Cloudy	NA	NA
	1500	E	4	42	Partly Cloudy	NA	NA
1/17/2020	0900	SE	4	10	Sunny	-	0
	1000	SE	3	11	Sunny	S	1
	1100	E	6	11	Sunny	S	1
	1200	SE	6	12	Sunny	S	1
	1300	SE	7	12	Sunny	S	1
	1400	SE	4	12	Sunny	S	1
	1500	S	3	12	Sunny	S	1
1/20/2020	0800	SE	3	10	Sunny	-	0
	0900	SE	2	11	Sunny	-	0
	1000	SE	3	11	Sunny	-	0
	1100	SE	3	12	Sunny	-	0
	1200	SE	3	16	Sunny	-	0
1/21/2020	0800	S	6	12	Sunny	-	0
	0900	S	5	14	Sunny	-	0
	1000	S	6	19	Sunny	-	0
	1100	S	2	22	Sunny	-	0
	1200	SE	3	23	Sunny	-	0
	1300	S	3	20	Sunny	-	0
	1400	SE	2	25	Sunny	NA	NA
	1500	SE	3	26	Sunny	NA	NA
1/22/2020	1000	N	3	23	Cloudy	-	0
	1100	N	3	25	Cloudy	-	0
	1200	N	3	26	Partly Cloudy	-	0
	1300	NE	3	26	Sunny	-	0
	1400	N	2	26	Sunny	-	0
	1500	NE	3	27	Sunny	-	0
1/23/2020	0900	-	0	22	Sunny	-	0
	1000	-	0	23	Sunny	-	0
	1100	-	0	24	Sunny	-	0
	1200	S	2	24	Sunny	-	0
	1300	S	3	24	Sunny	-	0
	1400	SW	3	25	Sunny	-	0
	1500	SW	2	24	Sunny	-	0
1/24/2020	0900	S	4	29	Sunny	S	1
	1000	S	4	31	Sunny	S	1
	1100	S	4	31	Sunny	S	1
	1200	SW	3	34	Sunny	-	0
	1300	SW	3	35	Sunny	-	0

Table 4
Weather Data

National Grid
North Albany Service Center
Versaire Building Drainage Improvements

Date	Time	Outdoor			Notes	Indoor	
		Wind Direction	Wind Speed (mph)	Temp. (deg f)		Wind Direction	Wind Speed (mph)
1/27/2020	0900	NE	5	39	Partly Cloudy	-	0
	1000	NE	5	40	Partly Cloudy	-	0
	1100	E	6	39	Partly Cloudy	-	0
	1200	E	5	39	Partly Cloudy	-	0
	1300	E	5	40	Partly Cloudy	S	1
	1400	E	4	40	Partly Cloudy	S	1
	1500	SE	4	41	Partly Cloudy	S	1
1/28/2020	0800	E	3	35	Cloudy	-	0
	0900	E	4	35	Cloudy	-	0
	1000	E	3	36	Cloudy	-	0
	1100	E	4	37	Cloudy	-	0
	1200	E	4	36	Cloudy	-	0
	1300	E	4	36	Cloudy	-	0
	1400	E	5	35	Cloudy	-	0
	1500	E	5	35	Cloudy	-	0

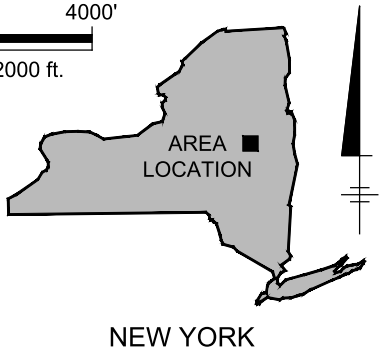
FIGURES



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., ALBANY & TROY SOUTH, NY, 2019.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



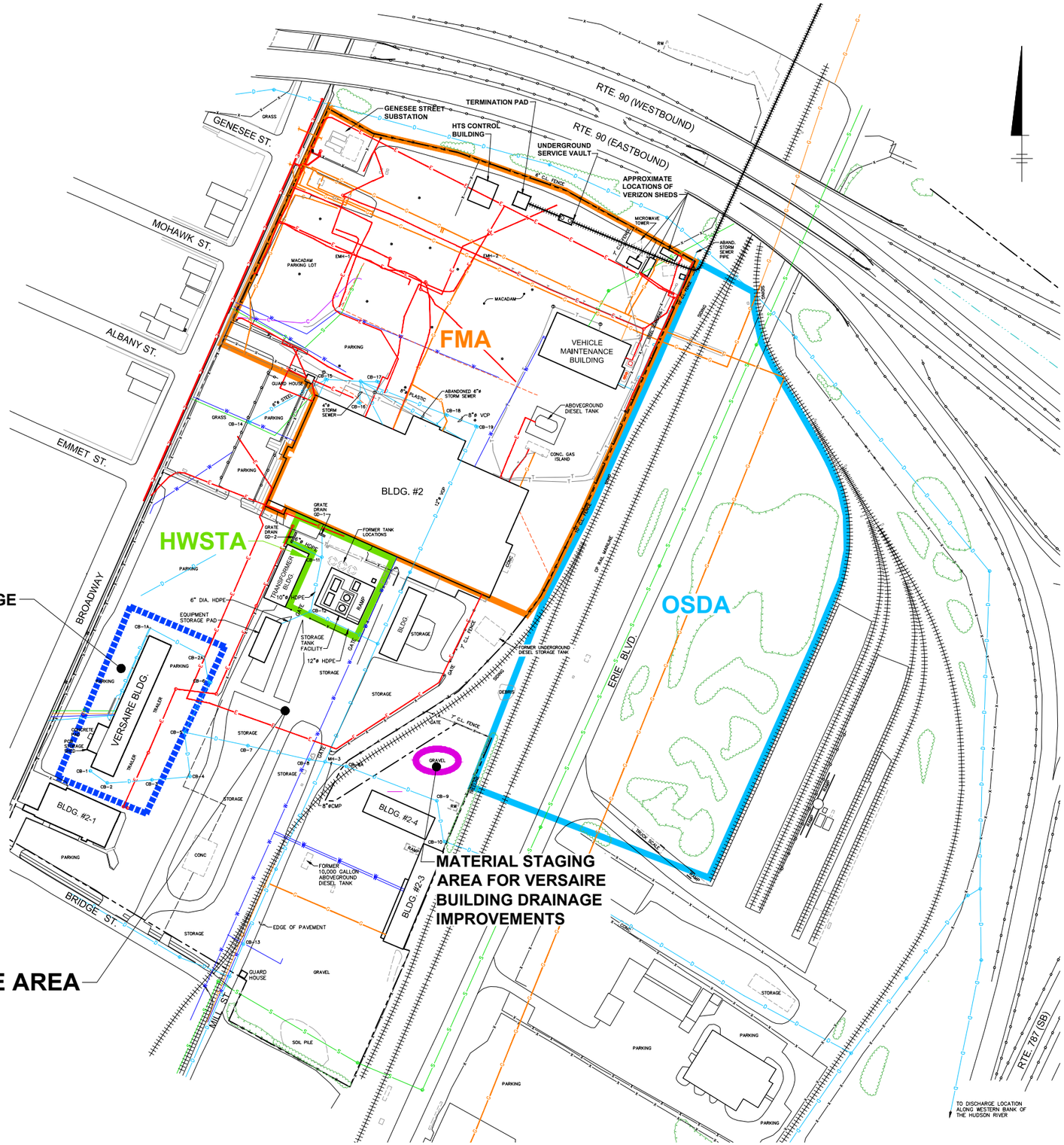
NATIONAL GRID
NORTH ALBANY FORMER MGP SITE
ALBANY, NEW YORK

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

CITY: SYRACUSE NY DIV/GROUP: ENVCAD DB: E. KRAHMER PIC: PM: TM: TR: LYR:(Opt)ON=*;OFF=*REF*
C:\Users\EKrahmer\BIM 360\Arcadis\ANA - National Grid\Project Files\NORTH ALBANY MGP SITE\2020\3003144\3\01-DWG\N_ALB_MGP_Fig 01_SLM.dwg LAYOUT: 1 SAVED: 7/8/2020 1:45 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 7/8/2020 1:48 PM BY: KRAHMER, ERIC
XREFS: IMAGES: PROJECTNAME: ----
Title Block NY_Albany_20190919_TM_geo.png
NY_Troy_South_20190919_TM_geo.png



LEGEND:

- APPROXIMATE LOCATION OF HIGH TEMPERATURE SUPERCONDUCTIVE CABLE
- GUARD RAIL
- FENCE
- EXISTING RAILROAD
- APPROXIMATE PROPERTY LINE
- UTILITY POLE
- EXISTING CATCH BASIN
- EXISTING STORM SEWER MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING TELEPHONE MANHOLE
- EXISTING UNKNOWN UTILITY MANHOLE
- STORM SEWER
- SANITARY SEWER
- TELEPHONE LINE
- ELECTRICAL LINE
- GAS LINE
- WATER LINE
- CABLE LINE
- UNKNOWN UTILITY
- FORMER MGP AREA
- OFF-SITE DOWNGRADIENT AREA
- HAZARDOUS WASTE STORAGE TANK AREA
- APPROXIMATE MATERIAL STAGING AREA
- VERSAIRE BUILDING DRAINAGE IMPROVEMENTS AREA

NOTES:

1. BASE MAP (INCLUDING BUILDING LOCATIONS) DEVELOPED FROM ELECTRONIC FILE OF NIAGARA MOHAWK POWER CORPORATION (NMPC) DRAWING NO. C-29736-C, DATED JULY 1994, ENTITLED NORTH ALBANY SERVICE CENTER HAZARDOUS WASTE MANAGEMENT PERMIT APPLICATION, TOPOGRAPHIC MAP - INDEX SHEET.
2. LOCATIONS OF UNDERGROUND UTILITIES (INCLUDING ON-SITE STORM SEWERS, SANITARY SEWERS, TELEPHONE LINES, ELECTRICAL LINES, GAS LINES, WATER LINES, AND CABLE) WERE DIGITIZED FROM NMPC DRAWING NO. D-29734-E, FILE INDEX NO. 20.3-A1.1-B2, DATED JUNE 27, 1994, ENTITLED NORTH ALBANY SERVICE CENTER SITE PLAN - PAVING (OUTSIDE FENCE). LOCATION OF UNDERGROUND TELEPHONE LINES, ELECTRICAL LINES, GAS LINES, AND CABLE LINES WERE UPDATED BASED ON ELECTROMAGNETIC UTILITY SURVEY CONDUCTED BY UNDERGROUND SERVICES, INC. DURING OCTOBER 2012. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES MUST BE DETERMINED/CONFIRMED PRIOR TO IMPLEMENTING SUBSURFACE WORK ACTIVITIES.
3. LOCATIONS OF MANHOLES AND CATCH BASINS WERE OBTAINED FROM SURVEYS CONDUCTED BY NMPC DURING JULY/AUGUST 1997 AND NATIONAL GRID DURING OCTOBER 2012.
4. LOCATIONS OF OFF-SITE STORM AND SANITARY SEWERS WERE DIGITIZED FROM CITY OF ALBANY DRAWINGS AND ARE APPROXIMATE.
5. FMA = FORMER MANUFACTURED GAS (MGP) PLANT AREA.
6. OSDA = OFF-SITE DOWNGRADIENT AREA.
7. HWSTA = HAZARDOUS WASTE STORAGE TANK AREA.

0 100' 200'
GRAPHIC SCALE

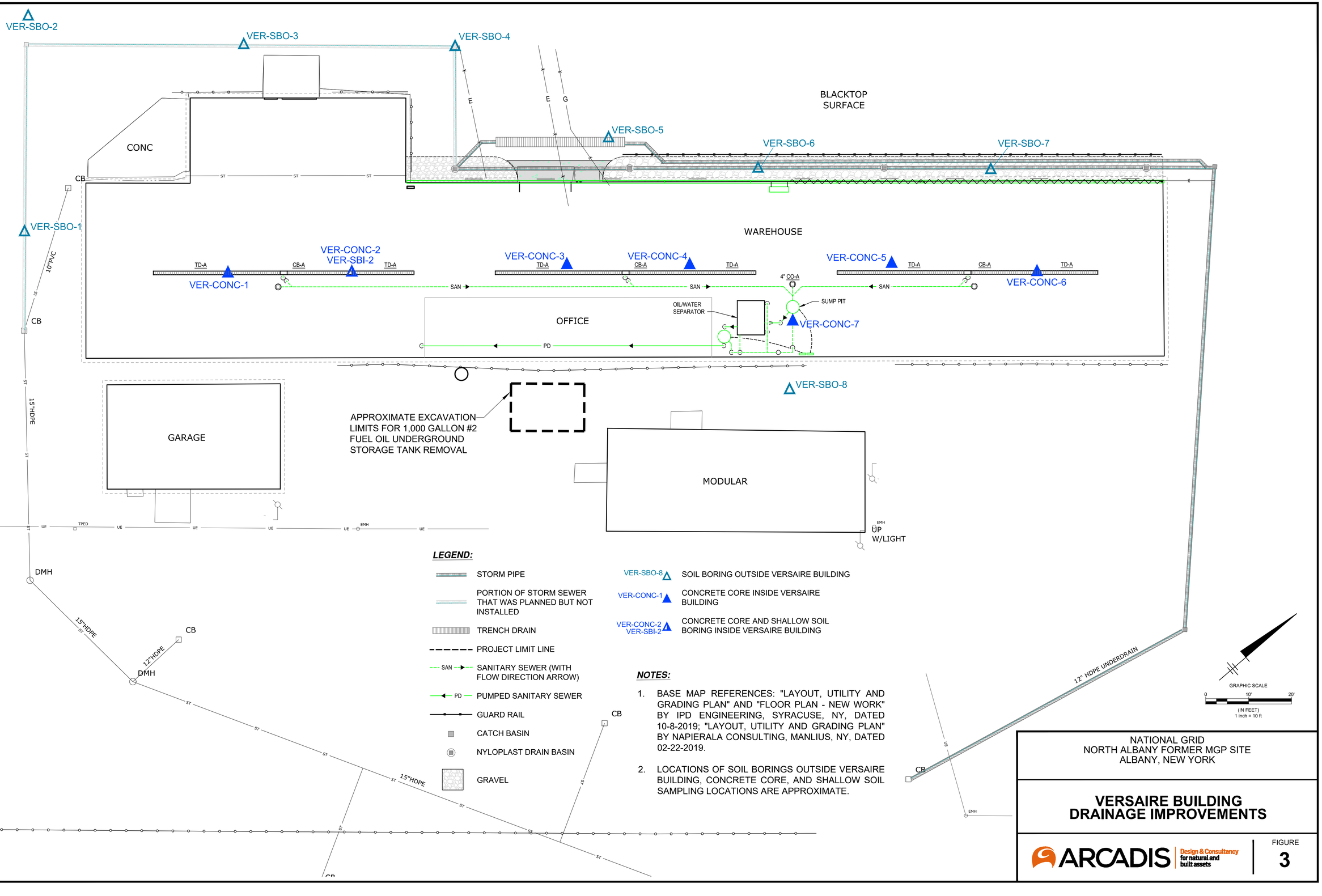
NATIONAL GRID
NORTH ALBANY FORMER MGP SITE
ALBANY, NEW YORK

SITE PLAN

ARCADIS Design & Consultancy for natural and built assets

FIGURE 2

CITY: SYRACUSE NY DIV/GROUP: ENV/IM-DV DB: R. ALLEN, E. KRAHMER LD:(Opt) PM: J. BRUSSEL LYR:(Opt)ON=*;OFF=*REF*
C:\Users\cmckeough\BIM 360\Arcadis\ANA - National Grid\Project Files\NORTH ALBANY MGP SITE\2020\03\03144\301-DWG\IN_ALB_MGP_Fig 02_Site Plan.dwg LAYOUT: 2 SAVED: 8/28/2020 6:54 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/4/2020
10:18 AM BY: MCKEOUGH, CAROL
XREFS:
36648X03
Title Block
IMAGES:
PROJECTNAME: ----



LEGEND:

- STORM PIPE
- PORTION OF STORM SEWER THAT WAS PLANNED BUT NOT INSTALLED
- TRENCH DRAIN
- PROJECT LIMIT LINE
- SAN — SANITARY SEWER (WITH FLOW DIRECTION ARROW)
- PD — PUMPED SANITARY SEWER
- GUARD RAIL
- CATCH BASIN
- NYLOPLAST DRAIN BASIN
- GRAVEL

- VER-SBO-8 — SOIL BORING OUTSIDE VERSAIRE BUILDING
- VER-CONC-1 — CONCRETE CORE INSIDE VERSAIRE BUILDING
- VER-CONC-2 / VER-SBI-2 — CONCRETE CORE AND SHALLOW SOIL BORING INSIDE VERSAIRE BUILDING

NOTES:

1. BASE MAP REFERENCES: "LAYOUT, UTILITY AND GRADING PLAN" AND "FLOOR PLAN - NEW WORK" BY IPD ENGINEERING, SYRACUSE, NY, DATED 10-8-2019; "LAYOUT, UTILITY AND GRADING PLAN" BY NAPIERALA CONSULTING, MANLIUS, NY, DATED 02-22-2019.
2. LOCATIONS OF SOIL BORINGS OUTSIDE VERSAIRE BUILDING, CONCRETE CORE, AND SHALLOW SOIL SAMPLING LOCATIONS ARE APPROXIMATE.

NATIONAL GRID
NORTH ALBANY FORMER MGP SITE
ALBANY, NEW YORK

VERSAIRE BUILDING DRAINAGE IMPROVEMENTS

ARCADIS Design & Consultancy for natural and built assets

FIGURE 3

CITY: SYRACUSE NY DIV/GROUP: ENV/IM-DV DB: R. ALLEN, E. KRAHMER LD:(Opt) PM: J. BRUSSEL LYR:(Opt)ON=*;OFF=*REF*
C:\Users\EKrahmer\BIM 360\Arcadis\ANA - National Grid\Project Files\NORTH ALBANY MGP SITE\2020\30031443\01-DWGN_ALB_MGP_Fig 03_Bldg_Drainage_Improv.dwg LAYOUT: 3 SAVED: 8/28/2020 4:19 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB
PLOTTED: 8/28/2020 4:20 PM BY: KRAHMER, ERIC
XREFS: IMAGES: PROJECTNAME: ----
Title Block

ATTACHMENT 1

Relevant Project Correspondence

Brussel, John

From: Brussel, John
Sent: Tuesday, January 21, 2020 1:22 PM
To: MacNeal, Douglas (DEC)
Cc: Cummins, Gerald; Matthew.Root2@nationalgrid.com; Andy Blaszkow (ABlaszkow@nelsonae.com); Kanauer, Nicholas
Subject: RE: Suspected Former #2 Fuel Oil UST Uncovered - National Grid, North Albany Service Center, Versaire Bldg Drainage Improvements
Attachments: RE_ EXT __ RE_ North Albany PBS forms.msg

Doug,
Please see the attached e-mail containing a copy of the tank registration form and tank excavation verification soil analytical results sent to Tom Sperbeck of NYSDEC this afternoon.
Let us know of any questions.
Thanks.
John

From: Brussel, John
Sent: Wednesday, January 15, 2020 4:51 PM
To: MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>
Cc: Cummins, Gerald <Gerald.Cummins@nationalgrid.com>; Matthew.Root2@nationalgrid.com; Andy Blaszkow (ABlaszkow@nelsonae.com) <ABlaszkow@nelsonae.com>; Kanauer, Nicholas <Nicholas.Kanauer@arcadis.com>
Subject: RE: Suspected Former #2 Fuel Oil UST Uncovered - National Grid, North Albany Service Center, Versaire Bldg Drainage Improvements

Doug – Sure thing. We'll get the tank registered per NYSDEC requirements.

Thank you.

John

From: MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>
Sent: Wednesday, January 15, 2020 4:47 PM
To: Brussel, John <John.Brussel@arcadis.com>
Cc: Cummins, Gerald <Gerald.Cummins@nationalgrid.com>; Matthew.Root2@nationalgrid.com; Andy Blaszkow (ABlaszkow@nelsonae.com) <ABlaszkow@nelsonae.com>; Kanauer, Nicholas <Nicholas.Kanauer@arcadis.com>
Subject: Re: Suspected Former #2 Fuel Oil UST Uncovered - National Grid, North Albany Service Center, Versaire Bldg Drainage Improvements

Thanks for the update. Please make sure to register the tank per our requirements.

From: Brussel, John <John.Brussel@arcadis.com>
Sent: Wednesday, January 15, 2020 4:42:48 PM
To: MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>
Cc: Cummins, Gerald <Gerald.Cummins@nationalgrid.com>; Matthew.Root2@nationalgrid.com <Matthew.Root2@nationalgrid.com>; Andy Blaszkow (ABlaszkow@nelsonae.com) <ABlaszkow@nelsonae.com>; Kanauer, Nicholas <Nicholas.Kanauer@arcadis.com>
Subject: Suspected Former #2 Fuel Oil UST Uncovered - National Grid, North Albany Service Center, Versaire Bldg Drainage Improvements

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Doug,

As a follow-up to the voice-mail message I left you a few minutes ago, we wanted to let you know that the construction team working on the Versaire Building drainage improvements uncovered a suspected former #2 fuel oil UST east of the Versaire Building this afternoon. A small opening in the top of the approximately 4- or 6-foot diameter tank (see photo below) allowed the field team to see a little product in the bottom of the tank (quantity unknown). They reported that the product smells like #2 fuel oil. Arcadis screened the air just inside the tank and recorded a PID reading of 166 ppm.

Matt Root from National Grid contacted Josh Upberg from the NYSDEC spills group around 4 pm to report the discovery.

National Grid plans to further uncover and excavate the tank tomorrow. We'll keep you posted on findings and if there is evidence of a release from the tank.

Feel free to call Matt Root at 518.433.3696 or me at 315.671.9441 in the interim with any questions.

Thank you.

John



John C. Brussel, PE | Principal Engineer/Certified Project Manager | John.Brussel@arcadis.com
Arcadis | Arcadis of New York, Inc.
One Lincoln Center, 110 West Fayette Street, Suite 300, Syracuse, NY | 13202 | USA
T. +1 315 671 9441 | M. +1 315 317 8104

Professional Registration / PE-NY, #075208

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ARCADIS Design & Consultancy for natural and built assets

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Brussel, John

From: Root, Matthew <Matthew.Root2@nationalgrid.com>
Sent: Tuesday, January 21, 2020 12:11 PM
To: Sperbeck, Thomas (DEC)
Cc: Utberg, Joshua D (DEC); Brussel, John
Subject: RE: EXT || RE: North Albany PBS forms
Attachments: National Grid PBS# 4-429511.pdf; 200116078-0438A-NATGR.pdf

Hi Tom,

Attached is the PBS application for North Albany that adds the 1,000 gallon UST that was discovered and subsequently removed.
Post removal soil samples did not show any impacts from within the tank grave. Data is attached.

Please let me know if you require anything else for this activity.
Arcadis will be providing a closure report once all materials are compiled.

Thank you,

Matthew Root
Senior Environmental Scientist
SHE & Assurance – Environmental Compliance - Upstate NY Eastern Division
nationalgrid

P 1-518-433-3696
C 1-518-227-7508
matthew.root2@nationalgrid.com

1125 Broadway Albany, New York 12204
nationalgrid.com | Twitter | LinkedIn | Facebook

From: Sperbeck, Thomas (DEC) <thomas.sperbeck@dec.ny.gov>
Sent: Thursday, January 16, 2020 2:44 PM
To: Root, Matthew <Matthew.Root2@nationalgrid.com>
Subject: RE: EXT || RE: North Albany PBS forms

Yes, submit application to me.

From: Root, Matthew <Matthew.Root2@nationalgrid.com>
Sent: Thursday, January 16, 2020 2:31 PM
To: Sperbeck, Thomas (DEC) <thomas.sperbeck@dec.ny.gov>
Subject: RE: EXT || RE: North Albany PBS forms

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Thanks Tom.

Can I send this back to you when completed?

We found a 1,000 gallon tank # 2 full oil that had been abandoned.
Tank was empty and there were not soil impacts noted.

Thank you,

Matthew Root
Senior Environmental Scientist
SHE & Assurance – Environmental Compliance - Upstate NY Eastern Division
nationalgrid

P 1-518-433-3696
C 1-518-227-7508
matthew.root2@nationalgrid.com

1125 Broadway Albany, New York 12204
nationalgrid.com | Twitter | LinkedIn | Facebook

From: Sperbeck, Thomas (DEC) <thomas.sperbeck@dec.ny.gov>
Sent: Thursday, January 16, 2020 12:53 PM
To: Root, Matthew <Matthew.Root2@nationalgrid.com>
Subject: EXT || RE: North Albany PBS forms

Hi Matt – Attached is the PBS application you requested.

From: Root, Matthew <Matthew.Root2@nationalgrid.com>
Sent: Thursday, January 16, 2020 11:40 AM
To: Sperbeck, Thomas (DEC) <thomas.sperbeck@dec.ny.gov>
Subject: North Albany PBS forms

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Tom,

We discovered a UST at our North Albany Service center during some drainage improvement work.
The tank is being removed. I have spoken to Josh on this yesterday.

Could you possibly email me a copy of our current PBS application that contains all of the current coding (Sections A, b and C) so that I can register the tank and then close?
The copy that I have is a markup version from a previous submittal.
PBS # 4-429511

Please call me with questions.

Thank you,

Matthew Root
Senior Environmental Scientist
SHE & Assurance – Environmental Compliance - Upstate NY Eastern Division
nationalgrid

P 1-518-433-3696

C 1-518-227-7508
matthew.root2@nationalgrid.com

1125 Broadway Albany, New York 12204
nationalgrid.com | Twitter | LinkedIn | Facebook

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New York State Department of Environmental Conservation
Division of Environmental Remediation

Petroleum Bulk Storage Application

Pursuant to the Environmental Conservation Law: Article 17, Title 10, and
Regulations 6 NYCRR Part 613 and 6 NYCRR Subpart 374-2

(Please Type or Print Clearly and Complete All Items for Sections A, B & C)

Return Completed Form & Fees To:
NYSDEC Region 4
1130 North Westcott Road
Schenectady, NY 12306
(518) 357-2045

PBS Number: 4-429511

Expiration Date: 02/03/2023

Section A - Facility/Property Owner/Contact Information

Transaction Type: 3

1) Initial/New Facility
2) Change of Ownership
3) Tank Installation, Closing, or Repair
4) Information Correction
5) Renewal

FACILITY

Facility Name: NATIONAL GRID ALBANY SC
Tax Map Borough/Section: 65.
Facility Address (Physical Address, No P.O. Boxes): 1125 BROADWAY
Block: 4
Facility Address (cont.):
Lot: 1
City: Albany
State: NY
ZIP: 12204
County: Albany
Township or City: Albany (c)
Facility Phone Number: (518) 416-8635
Facility Operator: DEREK LOBBAN

TYPE OF PETROLEUM FACILITY (Check only one)

- [ ] 01=Storage Terminal/Petrol. Distributor
- [ ] 02=Retail Gasoline Sales
- [ ] 03=Other Retail Sales
- [ ] 04=Manufacturing
- [x] 05=Utility
- [ ] 06=Trucking/Transportation/Fleet
- [ ] 07=Apartment/Office Building
- [ ] 08=School
- [ ] 09=Farm
- [ ] 10=Private Residence
- [ ] 11=Airline/Air Taxi/Airport
- [ ] 12=Chemical Distributor
- [ ] 13=Municipality
- [ ] 15=Railroad
- [ ] 25=Auto Service/Repair (No Gasoline
- [ ] 28=Cemetery/Memorial
- [ ] 26=Religious (Church, Synagogue, Mosque, Temple, etc.)
- [ ] 27=Hospital/Nursing Home/Health Care
- [ ] 52=Marina
- [ ] 53=Nuclear Power Plant
- [ ] 99=Other (Specify):

Emergency Contact Name: MATTHEW G ROOT
Emergency Telephone Number: (518) 227-7508

NOTE:
Fill in Property Owner information here....>>>
Indicate Tank Owner in Section C.

OWNER

Facility (Property) Owner (from Deed): NIAGARA MOHAWK, A NATIONAL GRID CO
Facility Owner Address (Street and/or P.O. Boxes): 300 ERIE BLVD. WEST
City: SYRACUSE
State: NY
ZIP Code: 13202
Owner Telephone Number: (315) 474-1511

Type of Owner (check only one):

- [ ] 1 Private Resident
- [ ] 2 State Government
- [ ] 3 Local Government
- [ ] 4 Federal Government
- [x] 5 Corporate/Commercial/Other

I hereby certify, under penalty of law, that all of the information provided on this form is true and correct. False statements made herein may be punishable as a criminal offense and/or a civil violation in accordance with applicable state and federal law.

Name of Property Owner or Authorized Representative: PHILIP GEORGE
Amount Enclosed: $ NA
Title: MANAGER ENVIRONMENTAL
Signature: Philip George
Date: 01/21/2020

CORRESPONDENCE

(Please keep this information up to date.)

Facility Contact Person Name: PHILIP GEORGE
Contact Person Company Name: NIAGARA MOHAWK, A NATIONAL GRID CO.
Address: 300 ERIE BLVD WEST
Address (cont.):
City/State/ZIP Code: SYRACUSE, NY 13202
Tel. Number: (315) 428-6685
eMail Address: PHILIP.GEORGE@NATIONALGRID.COM

Official Use Only
Date Received: ___/___/___
Date Processed: ___/___/___
Amount Received: $_____
Reviewed By: _____

Rev. 6/26/2019

PBS Number:
4-429511

Section B - Tank Information

(Please use the key located on the last page to complete each item/column)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Action	Tank Number	Tank Location	Status	Installation, out-of-service, or Permanent ClosureDate (mm/dd/yyyy) Application will be returned if blank	Capacity (Gallons)	Product Stored (If Gasoline w/ethanol or Biodiesel, list % additive) %	Tank Type	Tank Internal Protection	Tank External Protection	Tank Secondary Containment	Tank Leak Detection	Tank Overfill Prevention	Tank Spill Prevention	Pumping/Dispensing Method	Piping Location	Piping Type	Piping External Protection	Piping Secondary Containment	Piping Leak Detection	Under Dispenser Containment (UDC) (Check box if present)
	101	3	1	12/1/1993	10,000	0020	01	00	01	01	00	02 04	01	02	01	01	01	01	00	☐
	3	3	1	12/1/2000	6,000	0008	01	00	01	01	01 06	02 04	01	02	01	01	01	00	00	☐
	7	3	1	10/28/2014	8,000	2712 10	01	00	01	10 12	01	02 03	01	02	01	01	01	00	00	☐
	C	3	1	5/1/1999	240	0013	01	00	01	10 12	02 06	02 04	00	02	01	01	00	00	09	☐
	D	3	1	5/1/1999	240	0013	01	00	01	10 12	02 06	02 04	00	02	01	01	00	00	09	☐
	G	3	1	7/31/2015	175	0015	01	00	01	10 12	02 06	02 04	00	02	01	01	00	00	00	☐
	H	3	1	7/31/2015	175	0010	01	00	01	10 12	02 06	02 04	00	02	01	01	00	00	00	☐
	I	3	1	7/31/2015	280	0015	01	00	01	10 12	02 06	02 04	00	02	01	01	00	00	00	☐
	T-1	3	1	10/8/2012	120	0021	01	00	01	09	02 06	02 04	00	02	01	01	00	00	00	☐
	T-2	3	1	10/8/2012	120	0021	01	00	01	10 12	02 06	02 04	00	02	01	01	00	00	00	☐
	T-3	3	1	10/8/2012	120	0021	01	00	01	10 12	02 06	02 04	00	02	01	01	00	00	00	☐
	W-3	3	1	1/30/1993	10,000	0022	01	00	01	01	06	02 04	01	02	01	01	01	01	00	☒
	W-4	2	1	2/28/2007	250	0022	01	00	01	10 12	02 06	02 04	00	02	01	10	00	00	00	☒

PBS Number:
4-429511

Section B - Tank Information

(Please use the key located on the last page to complete each item/column)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Action	Tank Number	Tank Location	Status	Installation, out-of-service, or Permanent ClosureDate (mm/dd/yyyy) **Application will be returned if blank**	Capacity (Gallons)	Product Stored (If Gasoline w/ethanol or Biodiesel, list % additive) %	Tank Type	Tank Internal Protection	Tank External Protection	Tank Secondary Containment	Tank Leak Detection	Tank Overfill Prevention	Tank Spill Prevention	Pumping/Dispensing Method	Piping Location	Piping Type	Piping External Protection	Piping Secondary Containment	Piping Leak Detection	Under Dispenser Containment (UDC) (Check box if present)
	W-5	2	1	2/28/2007	250	0022	01	00	01	10 12	02 06	02 04	00	02	01	10	00	00	00	X
	W-6	3	1	12/17/2007	3,000	0022	01	00	01	10 12	02 06	02 04	01	00	01	01	00	00	00	X
3,4	V-1	5	3	1/16/2020	1,000	0001	01	00	00	00	00	00	00	00	00	00	00	00	00	

This tank is being registered for first time following discovery on 1/15/20 and closure (removal) on 1/16/20. Action "3" is selected because the tank is permanently closed/removed. Action "4" is selected because the tank was not previously registered and this is the first time being listed on this form.

Note: If you need to add tanks to your registration, write them in using blank lines above. Attach additional sheets as needed.
Blank Section B is available at http:/www.dec.ny.gov/docs/remediation_hudson_pdf/pbsrenewal.pdf

PBS Number:
4-429511

Petroleum Bulk Storage Application

Section C - Tank Ownership Information (for PBS tanks listed in Section B)

Tank Owner Information

Tank Owner Name (Company/Individual):
NIAGARA MOHAWK, A NATIONAL GRID CO

Contact Person:
PHILIP GEORGE

Tank Owner Address:
300 ERIE BLVD. WEST

City: SYRACUSE	State: NY	ZIP: 13202

Contact Person Telephone Number: (315) 474-1511	Contact Person email:

Specific Tanks Owned

Tank Number:

Name of Class B (Daily On-Site) Operator:	Authorization No:
Name of Class A (Primary) Operator:	Authorization No:

Tank Owner Information

☐ Check box if same as Facility (Property) Owner.
If tank owner is different from property owner, fill out information below:

Tank Owner Name (Company/Individual):

Contact Person:

Tank Owner Address:

City:	State:	ZIP:

Contact Person Telephone Number:	Contact Person email:

Specific Tanks Owned

☐ Check box if this owner owns all tanks at this facility.
If not, list tanks owned by this owner below:

Tank Number:

Name of Class B (Daily On-Site) Operator:	Authorization No:
Name of Class A (Primary) Operator:	Authorization No:

101	3	7	C	D
G	H	I	T-1	T-2
T-3	W-3	W-4	W-5	W-6

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

January 20, 2020

Matthew Root
National Grid
1125 Broadway
Albany, NY 12204

TEL: (518) 433-3696

Work Order No: 200116078
PO#: 3200354250

RE:
North Albany

Dear Matthew Root:

Adirondack Environmental Services, Inc received 6 samples on 1/16/2020 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Monica Higdon
Laboratory Manager

Adirondack Environmental Services, Inc CASE NARRATIVE

CLIENT:	National Grid	**Date:**	*20-Jan-20*
Project:			
Lab Order:	200116078		

Sample containers were supplied by Adirondack Environmental Services.

Analytical Comments for EPA Method 8260: Sample North Wall had a low recovery for the internal standards 1,4-Difluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:

ND : Not Detected at reporting limit	C: CCV below acceptable Limits
J: Analyte detected below quantitation limit	C+: CCV above acceptable Limits
B: Analyte detected in Blank	S: LCS Spike recovery is below acceptable limits
X : Exceeds maximum contamination limit	S+: LCS Spike recovery is above acceptable limits
H: Hold time exceeded	Z: Duplication outside acceptable limits
N: Matrix Spike below acceptable limits	T : Tentatively Identified Compound-Estimated
N+: Matrix Spike is above acceptable limits	E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: West Wall
Collection Date: 1/16/2020
Lab Sample ID: 200116078-001
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 1/17/2020)						
Phenol	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Bis(2-chloroethyl)ether	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2-Chlorophenol	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
1,3-Dichlorobenzene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
1,4-Dichlorobenzene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
1,2-Dichlorobenzene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2-Methylphenol	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2,2-Oxybis(1-chloropropane)	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
4-Methylphenol & 3-Methlyphenol	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
N-Nitrosodi-n-propylamine	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Hexachloroethane	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Nitrobenzene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Isophorone	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2-Nitrophenol	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2,4-Dimethylphenol	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Bis(2-chloroethoxy)methane	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2,4-Dichlorophenol	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
1,2,4-Trichlorobenzene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Naphthalene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
4-Chloroaniline	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Hexachlorobutadiene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
4-Chloro-3-methylphenol	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2-Methylnaphthalene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Hexachlorocyclopentadiene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2,4,6-Trichlorophenol	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2,4,5-Trichlorophenol	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2-Chloronaphthalene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2-Nitroaniline	**ND**	2000		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Dimethyl phthalate	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Acenaphthylene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2,6-Dinitrotoluene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
3-Nitroaniline	**ND**	2000		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Acenaphthene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2,4-Dinitrophenol	**ND**	2000		µg/Kg-dry	1	1/20/2020 11:30:00 AM
4-Nitrophenol	**ND**	2000		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Dibenzofuran	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
2,4-Dinitrotoluene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Diethyl phthalate	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
4-Chlorophenyl phenyl ether	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Fluorene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: West Wall
Collection Date: 1/16/2020
Lab Sample ID: 200116078-001
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 1/17/2020)						
4-Nitroaniline	**ND**	2000		µg/Kg-dry	1	1/20/2020 11:30:00 AM
4,6-Dinitro-2-methylphenol	**ND**	2000		µg/Kg-dry	1	1/20/2020 11:30:00 AM
N-Nitrosodiphenylamine	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
4-Bromophenyl phenyl ether	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Hexachlorobenzene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Pentachlorophenol	**ND**	2000		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Phenanthrene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Anthracene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Carbazole	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Di-n-butyl phthalate	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Fluoranthene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Pyrene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Butyl benzyl phthalate	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
3,3´-Dichlorobenzidine	**ND**	770		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Benz(a)anthracene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Chrysene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Bis(2-ethylhexyl)phthalate	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Di-n-octyl phthalate	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Benzo(b)fluoranthene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Benzo(k)fluoranthene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Benzo(a)pyrene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Indeno(1,2,3-cd)pyrene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Dibenz(a,h)anthracene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Benzo(g,h,i)perylene	**ND**	390		µg/Kg-dry	1	1/20/2020 11:30:00 AM
Surr: 2,4,6-Tribromophenol	**28.4**	26.5-126		%REC	1	1/20/2020 11:30:00 AM
Surr: 2-Fluorobiphenyl	**67.6**	32-136		%REC	1	1/20/2020 11:30:00 AM
Surr: 2-Fluorophenol	**69.8**	30.3-104		%REC	1	1/20/2020 11:30:00 AM
Surr: 4-Terphenyl-d14	**68.1**	30.1-145		%REC	1	1/20/2020 11:30:00 AM
Surr: Nitrobenzene-d5	**65.9**	19.5-123		%REC	1	1/20/2020 11:30:00 AM
Surr: Phenol-d5	**78.9**	27-122		%REC	1	1/20/2020 11:30:00 AM
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
Chloromethane	**ND**	9		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Bromomethane	**ND**	9		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Vinyl chloride	**ND**	9		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Chloroethane	**ND**	9		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Methylene chloride	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Acetone	**ND**	9		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Carbon disulfide	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: West Wall
Collection Date: 1/16/2020
Lab Sample ID: 200116078-001
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
1,1-Dichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
1,1-Dichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
trans-1,2-Dichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
cis-1,2-Dichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Chloroform	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
1,2-Dichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
2-Butanone	**ND**	9		µg/Kg-dry	1	1/17/2020 12:29:00 AM
1,1,1-Trichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Carbon tetrachloride	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Bromodichloromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
1,2-Dichloropropane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
cis-1,3-Dichloropropene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Trichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Dibromochloromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Benzene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
trans-1,3-Dichloropropene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Bromoform	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
4-Methyl-2-pentanone	**ND**	9		µg/Kg-dry	1	1/17/2020 12:29:00 AM
2-Hexanone	**ND**	9		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Tetrachloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Toluene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Chlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Ethylbenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Styrene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
m,p-Xylene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
o-Xylene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Methyl tert-butyl ether	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Dichlorodifluoromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Methyl Acetate	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Trichlorofluoromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Cyclohexane	**ND**	9		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Methyl Cyclohexane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
1,2-Dibromoethane	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
1,3-Dichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Isopropylbenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
1,2-Dichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
1,4-Dichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: West Wall
Collection Date: 1/16/2020
Lab Sample ID: 200116078-001
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
1,2-Dibromo-3-chloropropane	**ND**	9		µg/Kg-dry	1	1/17/2020 12:29:00 AM
1,2,4-Trichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 12:29:00 AM
Surr: 1,2-Dichloroethane-d4	**97.3**	64.8-130		%REC	1	1/17/2020 12:29:00 AM
Surr: 4-Bromofluorobenzene	**120**	76.8-122		%REC	1	1/17/2020 12:29:00 AM
Surr: Toluene-d8	**99.8**	78.5-120		%REC	1	1/17/2020 12:29:00 AM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **TSZ**
Percent Moisture	**16.5**	0.1		wt%	1	1/16/2020

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: North Wall
Collection Date: 1/16/2020
Lab Sample ID: 200116078-002
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 1/17/2020)						
Phenol	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Bis(2-chloroethyl)ether	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2-Chlorophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
1,3-Dichlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
1,4-Dichlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
1,2-Dichlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2-Methylphenol	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2,2-Oxybis(1-chloropropane)	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
4-Methylphenol & 3-Methlyphenol	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
N-Nitrosodi-n-propylamine	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Hexachloroethane	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Nitrobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Isophorone	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2-Nitrophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2,4-Dimethylphenol	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Bis(2-chloroethoxy)methane	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2,4-Dichlorophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
1,2,4-Trichlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Naphthalene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
4-Chloroaniline	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Hexachlorobutadiene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
4-Chloro-3-methylphenol	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2-Methylnaphthalene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Hexachlorocyclopentadiene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2,4,6-Trichlorophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2,4,5-Trichlorophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2-Chloronaphthalene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Dimethyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Acenaphthylene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2,6-Dinitrotoluene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
3-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Acenaphthene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2,4-Dinitrophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 11:55:00 AM
4-Nitrophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Dibenzofuran	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
2,4-Dinitrotoluene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Diethyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
4-Chlorophenyl phenyl ether	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Fluorene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: North Wall
Collection Date: 1/16/2020
Lab Sample ID: 200116078-002
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 1/17/2020)						
4-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 11:55:00 AM
4,6-Dinitro-2-methylphenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 11:55:00 AM
N-Nitrosodiphenylamine	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
4-Bromophenyl phenyl ether	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Hexachlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Pentachlorophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Phenanthrene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Anthracene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Carbazole	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Di-n-butyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Fluoranthene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Pyrene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Butyl benzyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
3,3´-Dichlorobenzidine	**ND**	750		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Benz(a)anthracene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Chrysene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Bis(2-ethylhexyl)phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Di-n-octyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Benzo(b)fluoranthene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Benzo(k)fluoranthene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Benzo(a)pyrene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Indeno(1,2,3-cd)pyrene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Dibenz(a,h)anthracene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Benzo(g,h,i)perylene	**ND**	370		µg/Kg-dry	1	1/20/2020 11:55:00 AM
Surr: 2,4,6-Tribromophenol	**55.6**	26.5-126		%REC	1	1/20/2020 11:55:00 AM
Surr: 2-Fluorobiphenyl	**62.5**	32-136		%REC	1	1/20/2020 11:55:00 AM
Surr: 2-Fluorophenol	**56.3**	30.3-104		%REC	1	1/20/2020 11:55:00 AM
Surr: 4-Terphenyl-d14	**63.7**	30.1-145		%REC	1	1/20/2020 11:55:00 AM
Surr: Nitrobenzene-d5	**63.1**	19.5-123		%REC	1	1/20/2020 11:55:00 AM
Surr: Phenol-d5	**70.5**	27-122		%REC	1	1/20/2020 11:55:00 AM
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
Chloromethane	**ND**	9		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Bromomethane	**ND**	9		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Vinyl chloride	**ND**	9		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Chloroethane	**ND**	9		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Methylene chloride	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Acetone	**ND**	9		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Carbon disulfide	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: North Wall
Collection Date: 1/16/2020
Lab Sample ID: 200116078-002
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
1,1-Dichloroethene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
1,1-Dichloroethane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
trans-1,2-Dichloroethene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
cis-1,2-Dichloroethene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Chloroform	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
1,2-Dichloroethane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
2-Butanone	**ND**	9		µg/Kg-dry	1	1/17/2020 12:52:00 AM
1,1,1-Trichloroethane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Carbon tetrachloride	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Bromodichloromethane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
1,2-Dichloropropane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
cis-1,3-Dichloropropene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Trichloroethene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Dibromochloromethane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
1,1,2-Trichloroethane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Benzene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
trans-1,3-Dichloropropene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Bromoform	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
4-Methyl-2-pentanone	**ND**	9		µg/Kg-dry	1	1/17/2020 12:52:00 AM
2-Hexanone	**ND**	9		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Tetrachloroethene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
1,1,2,2-Tetrachloroethane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Toluene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Chlorobenzene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Ethylbenzene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Styrene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
m,p-Xylene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
o-Xylene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Methyl tert-butyl ether	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Dichlorodifluoromethane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Methyl Acetate	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Trichlorofluoromethane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Cyclohexane	**ND**	9		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Methyl Cyclohexane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
1,2-Dibromoethane	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
1,3-Dichlorobenzene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Isopropylbenzene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
1,2-Dichlorobenzene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
1,4-Dichlorobenzene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: North Wall
Collection Date: 1/16/2020
Lab Sample ID: 200116078-002
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
1,2-Dibromo-3-chloropropane	**ND**	9		µg/Kg-dry	1	1/17/2020 12:52:00 AM
1,2,4-Trichlorobenzene	**ND**	4		µg/Kg-dry	1	1/17/2020 12:52:00 AM
Surr: 1,2-Dichloroethane-d4	**95.2**	64.8-130		%REC	1	1/17/2020 12:52:00 AM
Surr: 4-Bromofluorobenzene	**103**	76.8-122		%REC	1	1/17/2020 12:52:00 AM
Surr: Toluene-d8	**97.6**	78.5-120		%REC	1	1/17/2020 12:52:00 AM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **TSZ**
Percent Moisture	**13.3**	0.1		wt%	1	1/16/2020

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: East Wall (MS/MSD)
Collection Date: 1/16/2020
Lab Sample ID: 200116078-003
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 1/17/2020)						
Phenol	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Bis(2-chloroethyl)ether	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2-Chlorophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
1,3-Dichlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
1,4-Dichlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
1,2-Dichlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2-Methylphenol	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2,2-Oxybis(1-chloropropane)	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
4-Methylphenol & 3-Methlyphenol	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
N-Nitrosodi-n-propylamine	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Hexachloroethane	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Nitrobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Isophorone	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2-Nitrophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2,4-Dimethylphenol	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Bis(2-chloroethoxy)methane	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2,4-Dichlorophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
1,2,4-Trichlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Naphthalene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
4-Chloroaniline	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Hexachlorobutadiene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
4-Chloro-3-methylphenol	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2-Methylnaphthalene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Hexachlorocyclopentadiene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2,4,6-Trichlorophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2,4,5-Trichlorophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2-Chloronaphthalene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Dimethyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Acenaphthylene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2,6-Dinitrotoluene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
3-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Acenaphthene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2,4-Dinitrophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:20:00 PM
4-Nitrophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Dibenzofuran	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
2,4-Dinitrotoluene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Diethyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
4-Chlorophenyl phenyl ether	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Fluorene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: East Wall (MS/MSD)
Collection Date: 1/16/2020
Lab Sample ID: 200116078-003
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 1/17/2020)						
4-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:20:00 PM
4,6-Dinitro-2-methylphenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:20:00 PM
N-Nitrosodiphenylamine	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
4-Bromophenyl phenyl ether	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Hexachlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Pentachlorophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Phenanthrene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Anthracene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Carbazole	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Di-n-butyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Fluoranthene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Pyrene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Butyl benzyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
3,3´-Dichlorobenzidine	**ND**	740		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Benz(a)anthracene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Chrysene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Bis(2-ethylhexyl)phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Di-n-octyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Benzo(b)fluoranthene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Benzo(k)fluoranthene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Benzo(a)pyrene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Indeno(1,2,3-cd)pyrene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Dibenz(a,h)anthracene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Benzo(g,h,i)perylene	**ND**	370		µg/Kg-dry	1	1/20/2020 12:20:00 PM
Surr: 2,4,6-Tribromophenol	**76.5**	26.5-126		%REC	1	1/20/2020 12:20:00 PM
Surr: 2-Fluorobiphenyl	**67.7**	32-136		%REC	1	1/20/2020 12:20:00 PM
Surr: 2-Fluorophenol	**54.7**	30.3-104		%REC	1	1/20/2020 12:20:00 PM
Surr: 4-Terphenyl-d14	**66.7**	30.1-145		%REC	1	1/20/2020 12:20:00 PM
Surr: Nitrobenzene-d5	**56.0**	19.5-123		%REC	1	1/20/2020 12:20:00 PM
Surr: Phenol-d5	**69.7**	27-122		%REC	1	1/20/2020 12:20:00 PM
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
Chloromethane	**ND**	10	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Bromomethane	**ND**	10	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Vinyl chloride	**ND**	10	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Chloroethane	**ND**	10	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Methylene chloride	**ND**	5		µg/Kg-dry	1	1/17/2020 1:16:00 AM
Acetone	**ND**	10		µg/Kg-dry	1	1/17/2020 1:16:00 AM
Carbon disulfide	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: East Wall (MS/MSD)
Collection Date: 1/16/2020
Lab Sample ID: 200116078-003
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP) (**Prep: SW5035A - 1/16/2020**)						Analyst: **SMD**
1,1-Dichloroethene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
1,1-Dichloroethane	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
trans-1,2-Dichloroethene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
cis-1,2-Dichloroethene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Chloroform	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
1,2-Dichloroethane	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
2-Butanone	**ND**	10	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
1,1,1-Trichloroethane	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Carbon tetrachloride	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Bromodichloromethane	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
1,2-Dichloropropane	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
cis-1,3-Dichloropropene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Trichloroethene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Dibromochloromethane	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 1:16:00 AM
Benzene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
trans-1,3-Dichloropropene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Bromoform	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
4-Methyl-2-pentanone	**ND**	10		µg/Kg-dry	1	1/17/2020 1:16:00 AM
2-Hexanone	**ND**	10	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Tetrachloroethene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 1:16:00 AM
Toluene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Chlorobenzene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Ethylbenzene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Styrene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
m,p-Xylene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
o-Xylene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Methyl tert-butyl ether	**ND**	5		µg/Kg-dry	1	1/17/2020 1:16:00 AM
Dichlorodifluoromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 1:16:00 AM
Methyl Acetate	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Trichlorofluoromethane	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Cyclohexane	**ND**	10	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Methyl Cyclohexane	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
1,2-Dibromoethane	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
1,3-Dichlorobenzene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Isopropylbenzene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
1,2-Dichlorobenzene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
1,4-Dichlorobenzene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: East Wall (MS/MSD)
Collection Date: 1/16/2020
Lab Sample ID: 200116078-003
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
1,2-Dibromo-3-chloropropane	**ND**	10		µg/Kg-dry	1	1/17/2020 1:16:00 AM
1,2,4-Trichlorobenzene	**ND**	5	N	µg/Kg-dry	1	1/17/2020 1:16:00 AM
Surr: 1,2-Dichloroethane-d4	**96.8**	64.8-130		%REC	1	1/17/2020 1:16:00 AM
Surr: 4-Bromofluorobenzene	**110**	76.8-122		%REC	1	1/17/2020 1:16:00 AM
Surr: Toluene-d8	**104**	78.5-120		%REC	1	1/17/2020 1:16:00 AM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **TSZ**
Percent Moisture	**10.5**	0.1		wt%	1	1/16/2020

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: Bottom
Collection Date: 1/16/2020
Lab Sample ID: 200116078-004
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 1/17/2020)						
Phenol	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Bis(2-chloroethyl)ether	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2-Chlorophenol	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
1,3-Dichlorobenzene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
1,4-Dichlorobenzene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
1,2-Dichlorobenzene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2-Methylphenol	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2,2-Oxybis(1-chloropropane)	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
4-Methylphenol & 3-Methlyphenol	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
N-Nitrosodi-n-propylamine	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Hexachloroethane	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Nitrobenzene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Isophorone	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2-Nitrophenol	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2,4-Dimethylphenol	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Bis(2-chloroethoxy)methane	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2,4-Dichlorophenol	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
1,2,4-Trichlorobenzene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Naphthalene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
4-Chloroaniline	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Hexachlorobutadiene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
4-Chloro-3-methylphenol	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2-Methylnaphthalene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Hexachlorocyclopentadiene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2,4,6-Trichlorophenol	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2,4,5-Trichlorophenol	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2-Chloronaphthalene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Dimethyl phthalate	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Acenaphthylene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2,6-Dinitrotoluene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
3-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Acenaphthene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2,4-Dinitrophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:45:00 PM
4-Nitrophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Dibenzofuran	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
2,4-Dinitrotoluene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Diethyl phthalate	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
4-Chlorophenyl phenyl ether	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Fluorene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: Bottom
Collection Date: 1/16/2020
Lab Sample ID: 200116078-004
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 1/17/2020)						
4-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:45:00 PM
4,6-Dinitro-2-methylphenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:45:00 PM
N-Nitrosodiphenylamine	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
4-Bromophenyl phenyl ether	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Hexachlorobenzene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Pentachlorophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Phenanthrene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Anthracene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Carbazole	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Di-n-butyl phthalate	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Fluoranthene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Pyrene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Butyl benzyl phthalate	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
3,3´-Dichlorobenzidine	**ND**	750		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Benz(a)anthracene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Chrysene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Bis(2-ethylhexyl)phthalate	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Di-n-octyl phthalate	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Benzo(b)fluoranthene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Benzo(k)fluoranthene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Benzo(a)pyrene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Indeno(1,2,3-cd)pyrene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Dibenz(a,h)anthracene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Benzo(g,h,i)perylene	**ND**	380		µg/Kg-dry	1	1/20/2020 12:45:00 PM
Surr: 2,4,6-Tribromophenol	**65.8**	26.5-126		%REC	1	1/20/2020 12:45:00 PM
Surr: 2-Fluorobiphenyl	**65.3**	32-136		%REC	1	1/20/2020 12:45:00 PM
Surr: 2-Fluorophenol	**54.8**	30.3-104		%REC	1	1/20/2020 12:45:00 PM
Surr: 4-Terphenyl-d14	**64.2**	30.1-145		%REC	1	1/20/2020 12:45:00 PM
Surr: Nitrobenzene-d5	**61.1**	19.5-123		%REC	1	1/20/2020 12:45:00 PM
Surr: Phenol-d5	**70.8**	27-122		%REC	1	1/20/2020 12:45:00 PM
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
Chloromethane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Bromomethane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Vinyl chloride	**ND**	10		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Chloroethane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Methylene chloride	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Acetone	**ND**	10		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Carbon disulfide	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: Bottom
Collection Date: 1/16/2020
Lab Sample ID: 200116078-004
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
1,1-Dichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
1,1-Dichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
trans-1,2-Dichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
cis-1,2-Dichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Chloroform	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
1,2-Dichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
2-Butanone	**ND**	10		µg/Kg-dry	1	1/17/2020 2:03:00 AM
1,1,1-Trichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Carbon tetrachloride	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Bromodichloromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
1,2-Dichloropropane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
cis-1,3-Dichloropropene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Trichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Dibromochloromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Benzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
trans-1,3-Dichloropropene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Bromoform	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
4-Methyl-2-pentanone	**ND**	10		µg/Kg-dry	1	1/17/2020 2:03:00 AM
2-Hexanone	**ND**	10		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Tetrachloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Toluene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Chlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Ethylbenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Styrene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
m,p-Xylene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
o-Xylene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Methyl tert-butyl ether	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Dichlorodifluoromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Methyl Acetate	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Trichlorofluoromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Cyclohexane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Methyl Cyclohexane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
1,2-Dibromoethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
1,3-Dichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Isopropylbenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
1,2-Dichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
1,4-Dichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: Bottom
Collection Date: 1/16/2020
Lab Sample ID: 200116078-004
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
1,2-Dibromo-3-chloropropane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:03:00 AM
1,2,4-Trichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:03:00 AM
Surr: 1,2-Dichloroethane-d4	**96.1**	64.8-130		%REC	1	1/17/2020 2:03:00 AM
Surr: 4-Bromofluorobenzene	**114**	76.8-122		%REC	1	1/17/2020 2:03:00 AM
Surr: Toluene-d8	**99.9**	78.5-120		%REC	1	1/17/2020 2:03:00 AM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **TSZ**
Percent Moisture	**12.4**	0.1		wt%	1	1/16/2020

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: South Wall
Collection Date: 1/16/2020
Lab Sample ID: 200116078-005
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 1/17/2020)						
Phenol	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Bis(2-chloroethyl)ether	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2-Chlorophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
1,3-Dichlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
1,4-Dichlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
1,2-Dichlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2-Methylphenol	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2,2-Oxybis(1-chloropropane)	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
4-Methylphenol & 3-Methlyphenol	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
N-Nitrosodi-n-propylamine	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Hexachloroethane	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Nitrobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Isophorone	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2-Nitrophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2,4-Dimethylphenol	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Bis(2-chloroethoxy)methane	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2,4-Dichlorophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
1,2,4-Trichlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Naphthalene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
4-Chloroaniline	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Hexachlorobutadiene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
4-Chloro-3-methylphenol	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2-Methylnaphthalene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Hexachlorocyclopentadiene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2,4,6-Trichlorophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2,4,5-Trichlorophenol	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2-Chloronaphthalene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Dimethyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Acenaphthylene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2,6-Dinitrotoluene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
3-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Acenaphthene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2,4-Dinitrophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:11:00 PM
4-Nitrophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Dibenzofuran	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
2,4-Dinitrotoluene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Diethyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
4-Chlorophenyl phenyl ether	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Fluorene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: South Wall
Collection Date: 1/16/2020
Lab Sample ID: 200116078-005
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 1/17/2020)						
4-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:11:00 PM
4,6-Dinitro-2-methylphenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:11:00 PM
N-Nitrosodiphenylamine	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
4-Bromophenyl phenyl ether	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Hexachlorobenzene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Pentachlorophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Phenanthrene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Anthracene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Carbazole	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Di-n-butyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Fluoranthene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Pyrene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Butyl benzyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
3,3´-Dichlorobenzidine	**ND**	740		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Benz(a)anthracene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Chrysene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Bis(2-ethylhexyl)phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Di-n-octyl phthalate	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Benzo(b)fluoranthene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Benzo(k)fluoranthene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Benzo(a)pyrene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Indeno(1,2,3-cd)pyrene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Dibenz(a,h)anthracene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Benzo(g,h,i)perylene	**ND**	370		µg/Kg-dry	1	1/20/2020 1:11:00 PM
Surr: 2,4,6-Tribromophenol	**69.4**	26.5-126		%REC	1	1/20/2020 1:11:00 PM
Surr: 2-Fluorobiphenyl	**61.1**	32-136		%REC	1	1/20/2020 1:11:00 PM
Surr: 2-Fluorophenol	**47.7**	30.3-104		%REC	1	1/20/2020 1:11:00 PM
Surr: 4-Terphenyl-d14	**63.3**	30.1-145		%REC	1	1/20/2020 1:11:00 PM
Surr: Nitrobenzene-d5	**53.5**	19.5-123		%REC	1	1/20/2020 1:11:00 PM
Surr: Phenol-d5	**66.5**	27-122		%REC	1	1/20/2020 1:11:00 PM
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
Chloromethane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Bromomethane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Vinyl chloride	**ND**	10		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Chloroethane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Methylene chloride	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Acetone	**ND**	10		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Carbon disulfide	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: South Wall
Collection Date: 1/16/2020
Lab Sample ID: 200116078-005
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
1,1-Dichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
1,1-Dichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
trans-1,2-Dichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
cis-1,2-Dichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Chloroform	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
1,2-Dichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
2-Butanone	**ND**	10		µg/Kg-dry	1	1/17/2020 2:26:00 AM
1,1,1-Trichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Carbon tetrachloride	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Bromodichloromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
1,2-Dichloropropane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
cis-1,3-Dichloropropene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Trichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Dibromochloromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Benzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
trans-1,3-Dichloropropene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Bromoform	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
4-Methyl-2-pentanone	**ND**	10		µg/Kg-dry	1	1/17/2020 2:26:00 AM
2-Hexanone	**ND**	10		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Tetrachloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Toluene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Chlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Ethylbenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Styrene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
m,p-Xylene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
o-Xylene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Methyl tert-butyl ether	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Dichlorodifluoromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Methyl Acetate	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Trichlorofluoromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Cyclohexane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Methyl Cyclohexane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
1,2-Dibromoethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
1,3-Dichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Isopropylbenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
1,2-Dichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
1,4-Dichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: South Wall
Collection Date: 1/16/2020
Lab Sample ID: 200116078-005
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
1,2-Dibromo-3-chloropropane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:26:00 AM
1,2,4-Trichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:26:00 AM
Surr: 1,2-Dichloroethane-d4	**96.3**	64.8-130		%REC	1	1/17/2020 2:26:00 AM
Surr: 4-Bromofluorobenzene	**134**	76.8-122	S	%REC	1	1/17/2020 2:26:00 AM
Surr: Toluene-d8	**106**	78.5-120		%REC	1	1/17/2020 2:26:00 AM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **TSZ**
Percent Moisture	**11.1**	0.1		wt%	1	1/16/2020

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: DUP 1
Collection Date: 1/16/2020
Lab Sample ID: 200116078-006
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 1/17/2020)						
Phenol	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Bis(2-chloroethyl)ether	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2-Chlorophenol	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
1,3-Dichlorobenzene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
1,4-Dichlorobenzene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
1,2-Dichlorobenzene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2-Methylphenol	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2,2-Oxybis(1-chloropropane)	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
4-Methylphenol & 3-Methlyphenol	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
N-Nitrosodi-n-propylamine	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Hexachloroethane	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Nitrobenzene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Isophorone	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2-Nitrophenol	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2,4-Dimethylphenol	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Bis(2-chloroethoxy)methane	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2,4-Dichlorophenol	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
1,2,4-Trichlorobenzene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Naphthalene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
4-Chloroaniline	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Hexachlorobutadiene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
4-Chloro-3-methylphenol	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2-Methylnaphthalene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Hexachlorocyclopentadiene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2,4,6-Trichlorophenol	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2,4,5-Trichlorophenol	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2-Chloronaphthalene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Dimethyl phthalate	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Acenaphthylene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2,6-Dinitrotoluene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
3-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Acenaphthene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2,4-Dinitrophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:36:00 PM
4-Nitrophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Dibenzofuran	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
2,4-Dinitrotoluene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Diethyl phthalate	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
4-Chlorophenyl phenyl ether	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Fluorene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: DUP 1
Collection Date: 1/16/2020
Lab Sample ID: 200116078-006
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMI-VOLATILE ORGANICS - EPA 8270D						Analyst: **MT**
(Prep: SW3545A - 1/17/2020)						
4-Nitroaniline	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:36:00 PM
4,6-Dinitro-2-methylphenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:36:00 PM
N-Nitrosodiphenylamine	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
4-Bromophenyl phenyl ether	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Hexachlorobenzene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Pentachlorophenol	**ND**	1900		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Phenanthrene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Anthracene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Carbazole	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Di-n-butyl phthalate	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Fluoranthene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Pyrene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Butyl benzyl phthalate	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
3,3´-Dichlorobenzidine	**ND**	760		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Benz(a)anthracene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Chrysene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Bis(2-ethylhexyl)phthalate	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Di-n-octyl phthalate	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Benzo(b)fluoranthene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Benzo(k)fluoranthene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Benzo(a)pyrene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Indeno(1,2,3-cd)pyrene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Dibenz(a,h)anthracene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Benzo(g,h,i)perylene	**ND**	380		µg/Kg-dry	1	1/20/2020 1:36:00 PM
Surr: 2,4,6-Tribromophenol	**73.7**	26.5-126		%REC	1	1/20/2020 1:36:00 PM
Surr: 2-Fluorobiphenyl	**53.9**	32-136		%REC	1	1/20/2020 1:36:00 PM
Surr: 2-Fluorophenol	**35.7**	30.3-104		%REC	1	1/20/2020 1:36:00 PM
Surr: 4-Terphenyl-d14	**56.8**	30.1-145		%REC	1	1/20/2020 1:36:00 PM
Surr: Nitrobenzene-d5	**48.5**	19.5-123		%REC	1	1/20/2020 1:36:00 PM
Surr: Phenol-d5	**49.7**	27-122		%REC	1	1/20/2020 1:36:00 PM
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
Chloromethane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Bromomethane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Vinyl chloride	**ND**	10		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Chloroethane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Methylene chloride	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Acetone	**ND**	10		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Carbon disulfide	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: DUP 1
Collection Date: 1/16/2020
Lab Sample ID: 200116078-006
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
1,1-Dichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
1,1-Dichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
trans-1,2-Dichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
cis-1,2-Dichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Chloroform	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
1,2-Dichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
2-Butanone	**ND**	10		µg/Kg-dry	1	1/17/2020 2:50:00 AM
1,1,1-Trichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Carbon tetrachloride	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Bromodichloromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
1,2-Dichloropropane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
cis-1,3-Dichloropropene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Trichloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Dibromochloromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Benzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
trans-1,3-Dichloropropene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Bromoform	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
4-Methyl-2-pentanone	**ND**	10		µg/Kg-dry	1	1/17/2020 2:50:00 AM
2-Hexanone	**ND**	10		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Tetrachloroethene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Toluene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Chlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Ethylbenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Styrene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
m,p-Xylene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
o-Xylene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Methyl tert-butyl ether	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Dichlorodifluoromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Methyl Acetate	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Trichlorofluoromethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Cyclohexane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Methyl Cyclohexane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
1,2-Dibromoethane	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
1,3-Dichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Isopropylbenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
1,2-Dichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
1,4-Dichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM

Adirondack Environmental Services, Inc

Date: *20-Jan-20*

CLIENT: National Grid
Work Order: **200116078**
Reference: / North Albany
PO#: 3200354250

Client Sample ID: DUP 1
Collection Date: 1/16/2020
Lab Sample ID: 200116078-006
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-EPA 8260C (SW5035A PREP)						Analyst: **SMD**
(Prep: SW5035A - 1/16/2020)						
1,2-Dibromo-3-chloropropane	**ND**	10		µg/Kg-dry	1	1/17/2020 2:50:00 AM
1,2,4-Trichlorobenzene	**ND**	5		µg/Kg-dry	1	1/17/2020 2:50:00 AM
Surr: 1,2-Dichloroethane-d4	**93.5**	64.8-130		%REC	1	1/17/2020 2:50:00 AM
Surr: 4-Bromofluorobenzene	**116**	76.8-122		%REC	1	1/17/2020 2:50:00 AM
Surr: Toluene-d8	**102**	78.5-120		%REC	1	1/17/2020 2:50:00 AM
MOISTURE CONTENT-ASTM D2216 (NOT ELAP CERTIFIED)						Analyst: **TSZ**
Percent Moisture	**13.6**	0.1	Z	wt%	1	1/16/2020

CLIENT: National Grid
Work Order: 200116078
Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: 77638

ms	SeqNo: **2775077**	**PrepDate:1/16/2020**	TestNo: **SW8260C**	RunNo: **179225**
	Samp ID: **200116078-003b (East Wall (MS/MS**	**PrepRef:(SW5035A)**	Units: **µg/Kg-dry**	Analysis Date: **1/17/2020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	20.03	4.9	39.2	0	51.1	61.2	142	0	0		S
1,1,2,2-Tetrachloroethane	26.08	4.9	39.2	0	66.5	60.5	129	0	0		
1,1,2-Trichloro-1,2,2-trifluoroethane	10.38	4.9	19.6	0	53	73.6	148	0	0		S
1,1,2-Trichloroethane	24.84	4.9	39.2	0	63.4	61.3	130	0	0		
1,1-Dichloroethane	21.8	4.9	39.2	0	55.6	77	130	0	0		S
1,1-Dichloroethene	16.89	4.9	39.2	0	43.1	74.7	142	0	0		S
1,2,4-Trichlorobenzene	14.55	4.9	39.2	0	37.1	67.4	140	0	0		S
1,2-Dibromo-3-chloropropane	24.07	9.8	39.2	0	61.4	61.1	140	0	0		
1,2-Dibromoethane	21	4.9	39.2	0	53.6	76.8	135	0	0		S
1,2-Dichlorobenzene	18.47	4.9	39.2	0	47.1	78	132	0	0		S
1,2-Dichloroethane	19.76	4.9	39.2	0	50.4	76.9	136	0	0		S
1,2-Dichloropropane	23.71	4.9	39.2	0	60.5	68.5	132	0	0		S
1,3-Dichlorobenzene	17.53	4.9	39.2	0	44.7	82.1	135	0	0		S
1,4-Dichlorobenzene	17.38	4.9	39.2	0	44.3	78.1	131	0	0		S
2-Butanone	24.51	9.8	39.2	0	62.5	65	141	0	0		S
2-Hexanone	15.12	9.8	39.2	0	38.6	68	130	0	0		S
4-Methyl-2-pentanone	21.18	9.8	39.2	0	54	52.2	133	0	0		
Acetone	25.63	9.8	39.2	0	65.4	60	130	0	0		
Benzene	20.9	4.9	39.2	0	53.3	61.9	155	0	0		S
Bromodichloromethane	21.11	4.9	39.2	0	53.8	73.8	133	0	0		S
Bromoform	22.43	4.9	39.2	0	57.2	82.1	144	0	0		S
Bromomethane	15.39	9.8	39.2	0	39.3	67.2	135	0	0		S
Carbon disulfide	8.625	4.9	19.6	0	44	60	156	0	0		S
Carbon tetrachloride	19.44	4.9	39.2	0	49.6	76.3	139	0	0		S
Chlorobenzene	21.73	4.9	39.2	0	55.4	72.9	129	0	0		S
Chloroethane	20.96	9.8	39.2	0	53.5	54.6	150	0	0		S
Chloroform	20.73	4.9	39.2	0	52.9	70.2	132	0	0		S
Chloromethane	17.93	9.8	39.2	0	45.7	46.2	137	0	0		S
cis-1,2-Dichloroethene	17.51	4.9	39.2	0	44.7	65.5	121	0	0		S
cis-1,3-Dichloropropene	20.25	4.9	39.2	0	51.6	73.9	131	0	0		S
Cyclohexane	ND	9.8	19.6	0	49.4	75.2	144	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: National Grid
Work Order: 200116078
Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: 77638

ms	SeqNo: **2775077**	**PrepDate:1/16/2020**	TestNo: **SW8260C**	RunNo: **179225**
	Samp ID: **200116078-003b (East Wall (MS/MS**	**PrepRef:(SW5035A)**	Units: **µg/Kg-dry**	Analysis Date: **1/17/2020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	23.37	4.9	39.2	0	59.6	74.6	135	0	0		S
Dichlorodifluoromethane	25.87	4.9	39.2	0	66	38.3	118	0	0		
Ethylbenzene	21.78	4.9	39.2	0	55.6	64.5	143	0	0		S
Isopropylbenzene	23.23	4.9	39.2	0	59.2	69.2	136	0	0		S
m,p-Xylene	41.56	4.9	78.41	0	53	65.3	154	0	0		S
Methyl Acetate	9.693	4.9	19.6	0	49.4	50	150	0	0		S
Methyl Cyclohexane	8.958	4.9	19.6	0	45.7	76	152	0	0		S
Methyl tert-butyl ether	14.5	4.9	19.6	0	74	41.4	159	0	0		
Methylene chloride	23.8	4.9	39.2	0	60.7	60	135	0	0		
o-Xylene	24.12	4.9	39.2	0	61.5	71.7	147	0	0		S
Styrene	20.78	4.9	39.2	0	53	73.1	135	0	0		S
Tetrachloroethene	18.73	4.9	39.2	0	47.8	77.1	132	0	0		S
Toluene	19.34	4.9	39.2	0	49.3	68.3	137	0	0		S
trans-1,2-Dichloroethene	18.1	4.9	39.2	0	46.2	76.5	130	0	0		S
trans-1,3-Dichloropropene	16.49	4.9	39.2	0	42	69.4	131	0	0		S
Trichloroethene	18.67	4.9	39.2	0	47.6	69.1	133	0	0		S
Trichlorofluoromethane	17.98	4.9	39.2	0	45.8	57.6	136	0	0		S
Vinyl chloride	23.64	9.8	39.2	0	60.3	65	138	0	0		S
Surr: 1,2-Dichloroethane-d4	43.75	4.9	49.01	0	89.3	67.6	153	0	0		
Surr: 4-Bromofluorobenzene	52.63	4.9	49.01	0	107	78.5	131	0	0		
Surr: Toluene-d8	49.6	4.9	49.01	0	101	74.6	123	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: National Grid
Work Order: 200116078
Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: 77653

ms	SeqNo: **2776618**	**PrepDate:1/17/2020**	TestNo: **SW8270D**	RunNo: **179304**
	Samp ID: **200116078-003a (East Wall (MS/MS**	**PrepRef:(SW3545A)**	Units: **µg/Kg-dry**	Analysis Date: **1/20/2020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1987	370	3699	0	53.7	39.6	104	0	0		
1,2-Dichlorobenzene	1673	370	3699	0	45.2	39.2	97	0	0		
1,3-Dichlorobenzene	1612	370	3699	0	43.6	36.7	97.3	0	0		
1,4-Dichlorobenzene	1669	370	3699	0	45.1	39	98	0	0		
2,2-Oxybis(1-chloropropane)	2125	370	3699	0	57.4	43.4	125	0	0		
2,4,5-Trichlorophenol	2370	370	3699	0	64.1	38.5	128	0	0		
2,4,6-Trichlorophenol	2448	370	3699	0	66.2	36.4	108	0	0		
2,4-Dichlorophenol	1919	370	3699	0	51.9	44.3	109	0	0		
2,4-Dimethylphenol	1655	370	3699	0	44.7	35.4	116	0	0		
2,4-Dinitrophenol	ND	1900	3699	0	14.9	0	0	0	0		S
2,4-Dinitrotoluene	2180	370	3699	0	58.9	44	113	0	0		
2,6-Dinitrotoluene	2318	370	3699	0	62.7	39.5	100	0	0		
2-Chloronaphthalene	2052	370	3699	0	55.5	50.8	96.2	0	0		
2-Chlorophenol	1731	370	3699	0	46.8	31.2	116	0	0		
2-Methylnaphthalene	2022	370	3699	0	54.7	43.1	116	0	0		
2-Methylphenol	2643	370	3699	0	71.4	37	106	0	0		
2-Nitroaniline	2262	1900	3699	0	61.1	28	104	0	0		
2-Nitrophenol	1679	370	3699	0	45.4	34	126	0	0		
3-Nitroaniline	ND	1900	3699	0	49.8	28	89.3	0	0		
4,6-Dinitro-2-methylphenol	ND	1900	3699	0	0	10	114	0	0		S
4-Bromophenyl phenyl ether	2712	370	3699	0	73.3	48	106	0	0		
4-Chloro-3-methylphenol	2229	370	3699	0	60.2	36.2	118	0	0		
4-Chloroaniline	1836	370	3699	0	49.6	27	90.7	0	0		
4-Chlorophenyl phenyl ether	2730	370	3699	0	73.8	47.8	101	0	0		
4-Methylphenol & 3-Methlyphenol	2219	370	3699	0	60	31	109	0	0		
4-Nitroaniline	ND	1900	3699	0	44.7	27.2	98.9	0	0		
4-Nitrophenol	1982	1900	3699	0	53.6	27	109	0	0		
Acenaphthene	2006	370	3699	0	54.2	49.4	100	0	0		
Acenaphthylene	1870	370	3699	0	50.5	44.3	122	0	0		
Anthracene	2299	370	3699	0	62.1	41.1	122	0	0		
Benz(a)anthracene	2143	370	3699	0	57.9	50.3	105	0	0		
Benzo(a)pyrene	2061	370	3699	0	55.7	48.8	110	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: National Grid
Work Order: 200116078
Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: 77653

ms	SeqNo: **2776618**	**PrepDate:1/17/2020**	TestNo: **SW8270D**	RunNo: **179304**
	Samp ID: **200116078-003a (East Wall (MS/MS**	**PrepRef:(SW3545A)**	Units: **µg/Kg-dry**	Analysis Date: **1/20/2020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	2204	370	3699	0	59.6	47.9	109	0	0		
Benzo(g,h,i)perylene	2513	370	3699	0	67.9	49.3	108	0	0		
Benzo(k)fluoranthene	2228	370	3699	0	60.2	47.6	109	0	0		
Bis(2-chloroethoxy)methane	2204	370	3699	0	59.6	37.5	100	0	0		
Bis(2-chloroethyl)ether	1718	370	3699	0	46.4	32.8	89.3	0	0		
Bis(2-ethylhexyl)phthalate	2140	370	3699	0	57.8	38.3	112	0	0		
Butyl benzyl phthalate	1902	370	3699	0	51.4	48	105	0	0		
Carbazole	2108	370	3699	0	57	47.1	122	0	0		
Chrysene	2117	370	3699	0	57.2	41	108	0	0		
Dibenz(a,h)anthracene	2315	370	3699	0	62.6	27.3	131	0	0		
Dibenzofuran	2192	370	3699	0	59.3	44.9	117	0	0		
Diethyl phthalate	2316	370	3699	0	62.6	41.9	97.7	0	0		
Dimethyl phthalate	2104	370	3699	0	56.9	42	119	0	0		
Di-n-butyl phthalate	2414	370	3699	0	65.3	47.3	94.4	0	0		
Di-n-octyl phthalate	1919	370	3699	0	51.9	41.5	119	0	0		
Fluoranthene	2501	370	3699	0	67.6	42.7	112	0	0		
Fluorene	2196	370	3699	0	59.4	48.1	104	0	0		
Hexachlorobenzene	2803	370	3699	0	75.8	46.9	111	0	0		
Hexachlorobutadiene	2266	370	3699	0	61.3	37.8	101	0	0		
Hexachlorocyclopentadiene	1993	370	3699	0	53.9	23.6	98	0	0		
Hexachloroethane	1874	370	3699	0	50.6	36.8	84.7	0	0		
Indeno(1,2,3-cd)pyrene	2413	370	3699	0	65.2	44.5	109	0	0		
Isophorone	2650	370	3699	0	71.6	36.7	103	0	0		
Naphthalene	1793	370	3699	0	48.5	44.6	91.6	0	0		
Nitrobenzene	1973	370	3699	0	53.3	38.9	91.7	0	0		
N-Nitrosodi-n-propylamine	2431	370	3699	0	65.7	27	117	0	0		
N-Nitrosodiphenylamine	2507	370	3699	0	67.8	51.6	130	0	0		
Pentachlorophenol	ND	1900	3699	0	11.8	8	99.8	0	0		
Phenanthrene	2260	370	3699	0	61.1	49.4	105	0	0		
Phenol	1783	370	3699	0	48.2	18.9	101	0	0		
Pyrene	1894	370	3699	0	51.2	42.7	107	0	0		
Surr: 2,4,6-Tribromophenol	2741	370	3699	0	74.1	26.5	126	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: National Grid
Work Order: 200116078
Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: 77653

ms

SeqNo: **2776618** PrepDate:1/17/2020 TestNo: **SW8270D** RunNo: **179304**
Samp ID: **200116078-003a (East Wall (MS/MS** PrepRef:(SW3545A) Units: **µg/Kg-dry** Analysis Date: **1/20/2020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	975.2	370	1850	0	52.7	32	136	0	0		
Surr: 2-Fluorophenol	1406	370	3699	0	38	30.3	104	0	0		
Surr: 4-Terphenyl-d14	1024	370	1850	0	55.3	30.1	145	0	0		
Surr: Nitrobenzene-d5	908.7	370	1850	0	49.1	19.5	123	0	0		
Surr: Phenol-d5	1844	370	3699	0	49.8	27	122	0	0		

msd

SeqNo: **2776619** PrepDate:1/17/2020 TestNo: **SW8270D** RunNo: **179304**
Samp ID: **200116078-003a (East Wall (MS/MS** PrepRef:(SW3545A) Units: **µg/Kg-dry** Analysis Date: **1/20/2020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2256	370	3724	0	60.6	39.6	104	1987	12.7	25	
1,2-Dichlorobenzene	2067	370	3724	0	55.5	39.2	97	1673	21.1	25	
1,3-Dichlorobenzene	1862	370	3724	0	50	36.7	97.3	1612	14.4	25	
1,4-Dichlorobenzene	1951	370	3724	0	52.4	39	98	1669	15.6	25	
2,2-Oxybis(1-chloropropane)	2418	370	3724	0	64.9	43.4	125	2125	12.9	25	
2,4,5-Trichlorophenol	2476	370	3724	0	66.5	38.5	128	2370	4.36	25	
2,4,6-Trichlorophenol	2935	370	3724	0	78.8	36.4	108	2448	18.1	25	
2,4-Dichlorophenol	2302	370	3724	0	61.8	44.3	109	1919	18.1	25	
2,4-Dimethylphenol	2080	370	3724	0	55.9	35.4	116	1655	22.8	25	
2,4-Dinitrophenol	ND	1900	3724	0	14.8	0	0	551.6	0	0	S
2,4-Dinitrotoluene	2466	370	3724	0	66.2	44	113	2180	12.3	25	
2,6-Dinitrotoluene	2609	370	3724	0	70.1	39.5	100	2318	11.8	25	
2-Chloronaphthalene	2333	370	3724	0	62.6	50.8	96.2	2052	12.8	25	
2-Chlorophenol	2102	370	3724	0	56.5	31.2	116	1731	19.4	25	
2-Methylnaphthalene	2334	370	3724	0	62.7	43.1	116	2022	14.3	20	
2-Methylphenol	2684	370	3724	0	72.1	37	106	2643	1.56	25	
2-Nitroaniline	2541	1900	3724	0	68.2	28	104	2262	11.6	25	
2-Nitrophenol	2058	370	3724	0	55.3	34	126	1679	20.3	25	
3-Nitroaniline	1995	1900	3724	0	53.6	28	89.3	1842	7.98	25	
4,6-Dinitro-2-methylphenol	ND	1900	3724	0	0	10	114	0	0	25	S
4-Bromophenyl phenyl ether	2830	370	3724	0	76	48	106	2712	4.25	25	
4-Chloro-3-methylphenol	2619	370	3724	0	70.3	36.2	118	2229	16.1	25	
4-Chloroaniline	1880	370	3724	0	50.5	27	90.7	1836	2.38	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: National Grid
Work Order: 200116078
Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: 77653

msd	SeqNo: **2776619**	**PrepDate:1/17/2020**	TestNo: **SW8270D**	RunNo: **179304**
	Samp ID: **200116078-003a (East Wall (MS/MS**	**PrepRef:(SW3545A)**	Units: **µg/Kg-dry**	Analysis Date: **1/20/2020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorophenyl phenyl ether	3017	370	3724	0	81	47.8	101	2730	9.99	25	
4-Methylphenol & 3-Methlyphenol	2523	370	3724	0	67.7	31	109	2219	12.8	25	
4-Nitroaniline	ND	1900	3724	0	50.2	27.2	98.9	1653	0	21.5	
4-Nitrophenol	2543	1900	3724	0	68.3	27	109	1982	24.8	25	
Acenaphthene	2252	370	3724	0	60.5	49.4	100	2006	11.5	25	
Acenaphthylene	2146	370	3724	0	57.6	44.3	122	1870	13.8	25	
Anthracene	2493	370	3724	0	67	41.1	122	2299	8.12	25	
Benz(a)anthracene	2423	370	3724	0	65.1	50.3	105	2143	12.3	25	
Benzo(a)pyrene	2218	370	3724	0	59.5	48.8	110	2061	7.29	25	
Benzo(b)fluoranthene	2294	370	3724	0	61.6	47.9	109	2204	4.01	25	
Benzo(g,h,i)perylene	2828	370	3724	0	75.9	49.3	108	2513	11.8	25	
Benzo(k)fluoranthene	2409	370	3724	0	64.7	47.6	109	2228	7.84	25	
Bis(2-chloroethoxy)methane	2543	370	3724	0	68.3	37.5	100	2204	14.3	25	
Bis(2-chloroethyl)ether	2053	370	3724	0	55.1	32.8	89.3	1718	17.8	25	
Bis(2-ethylhexyl)phthalate	2311	370	3724	0	62	38.3	112	2140	7.69	25	
Butyl benzyl phthalate	2078	370	3724	0	55.8	48	105	1902	8.87	25	
Carbazole	2326	370	3724	0	62.5	47.1	122	2108	9.86	25	
Chrysene	2450	370	3724	0	65.8	41	108	2117	14.6	25	
Dibenz(a,h)anthracene	2611	370	3724	0	70.1	27.3	131	2315	12.0	25	
Dibenzofuran	2483	370	3724	0	66.7	44.9	117	2192	12.4	25	
Diethyl phthalate	2623	370	3724	0	70.4	41.9	97.7	2316	12.4	25	
Dimethyl phthalate	2403	370	3724	0	64.5	42	119	2104	13.3	25	
Di-n-butyl phthalate	2573	370	3724	0	69.1	47.3	94.4	2414	6.37	25	
Di-n-octyl phthalate	1993	370	3724	0	53.5	41.5	119	1919	3.76	25	
Fluoranthene	2743	370	3724	0	73.6	42.7	112	2501	9.22	25	
Fluorene	2446	370	3724	0	65.7	48.1	104	2196	10.8	25	
Hexachlorobenzene	2908	370	3724	0	78.1	46.9	111	2803	3.67	25	
Hexachlorobutadiene	2649	370	3724	0	71.1	37.8	101	2266	15.6	25	
Hexachlorocyclopentadiene	2238	370	3724	0	60.1	23.6	98	1993	11.6	25	
Hexachloroethane	2165	370	3724	0	58.1	36.8	84.7	1874	14.4	25	
Indeno(1,2,3-cd)pyrene	2835	370	3724	0	76.1	44.5	109	2413	16.1	25	
Isophorone	3115	370	3724	0	83.6	36.7	103	2650	16.1	25	

Qualifiers:
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CLIENT: National Grid
Work Order: 200116078
Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: 77653

msd	SeqNo: **2776619**	**PrepDate:1/17/2020**	TestNo: **SW8270D**	RunNo: **179304**
	Samp ID: **200116078-003a (East Wall (MS/MS**	**PrepRef:(SW3545A)**	Units: **µg/Kg-dry**	Analysis Date: **1/20/2020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	2109	370	3724	0	56.6	44.6	91.6	1793	16.2	25	
Nitrobenzene	2388	370	3724	0	64.1	38.9	91.7	1973	19.0	25	
N-Nitrosodi-n-propylamine	2845	370	3724	0	76.4	27	117	2431	15.7	25	
N-Nitrosodiphenylamine	2706	370	3724	0	72.7	51.6	130	2507	7.61	25	
Pentachlorophenol	ND	1900	3724	0	19.1	8	99.8	435.8	0	25	
Phenanthrene	2499	370	3724	0	67.1	49.4	105	2260	10.1	25	
Phenol	2152	370	3724	0	57.8	18.9	101	1783	18.7	25	
Pyrene	2082	370	3724	0	55.9	42.7	107	1894	9.44	25	
Surr: 2,4,6-Tribromophenol	3170	370	3724	0	85.1	26.5	126	0	0	0	
Surr: 2-Fluorobiphenyl	1144	370	1863	0	61.4	32	136	0	0	0	
Surr: 2-Fluorophenol	1853	370	3724	0	49.8	30.3	104	0	0	0	
Surr: 4-Terphenyl-d14	1193	370	1863	0	64.1	30.1	145	0	0	0	
Surr: Nitrobenzene-d5	1082	370	1863	0	58.1	19.5	123	0	0	0	
Surr: Phenol-d5	2277	370	3724	0	61.1	27	122	0	0	0	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Adirondack Environmental Services Inc.
314 North Pearl Street
Albany, NY 12207
518-434-4546 / FAX: 518-434-0891

EXPERIENCE IS THE SOLUTION

CHAIN OF CUSTODY RECORD

AES Work Order#: 200116078

COC Reference:

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Arcadis/National Grid		
Send Report to: John Brussel + Matthew Root	Project Name (Location): North Albany	Samplers Name: Nicholas Kanaves
Client Phone #: (315) 314-8184 (John) (518) 227-7508 (Matt)	Client PO #:	Samplers Signature:
Client Email: John.Brussel@arcadis.com + Matthew.Root2@Nationalgrid.com		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=am P=pm		Sample Type Matrix	C	G	# of Cont's	Preservative	Analysis
001	West wall	1/16/20	1:33	AP	Soil	✓		1		TCL SVOA s 8270
	West wall	1/16/20	1:33	AP	Soil		✓	2		TCL VOA s 8260
002	North wall	1/16/20	1:40	AP	Soil	✓		1		TCL SVOA s 8270
	North wall	1/16/20	1:40	AP	Soil		✓	2		TCL VOA s 8260
003	East wall (ms/msd)	1/16/20	1:46	AP	Soil	✓		~~2~~ 3		TCL SVOA s 8270
	East wall (ms/msd)	1/16/20	1:46	AP	Soil		✓	~~4~~ 6		TCL VOA s 8260
004	Bottom	1/16/20	1:56	AP	Soil	✓		1		TCL SVOA s 8270
	Bottom	1/16/20	1:56	AP	Soil		✓	2		TCL VOA s 8260
005	South wall	1/16/20	2:05	AP	Soil	✓		1		TCL SVOA s 8270
	South wall	1/16/20	2:05	AP	Soil		✓	2		TCL VOA s 8260
006	DUP1	1/16/20	-	AP	Soil			3		TCL SVOA s 8260 / TCL VOA s 8270
	~~East wall (ms/msd)~~			AP						
				AP						
				AP						
				AP						

Shipment Arrived Via: FedEx UPS (Client) AES Other:_____

Turnaround Time Requested:

1 Day (2 Day) 3 Day 5 Day Standard

NOTE: Samples received after 3:30pm are considered next business day.

Special Instructions/Remarks:

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		1/16/20	1516
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received for Laboratory by:	Date	Time
		1/16/20	1516

Sample Temperature

Ambient ~ (Chilled) ~ Chilling Begun

Notes: 20c

Custody Seal Intact: Y / N

Bottles AES: (Y) / N

Properly Preserved: (Y) / N

0=None
1=H_2SO_4 pH<2
2=HNO_3 pH<2
3=HCl pH<2
4=$Na_2S_2O_3$
5=NH_4Cl
6=Ascorbic Acid
7=FAS
8=ZnAc/NaOH pH>9
9=NaOH pH>10
10=Other_____

Received Within Holding Times: (Y) / N

Notes:

200116078

Adirondack Environmental Services Inc.®
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

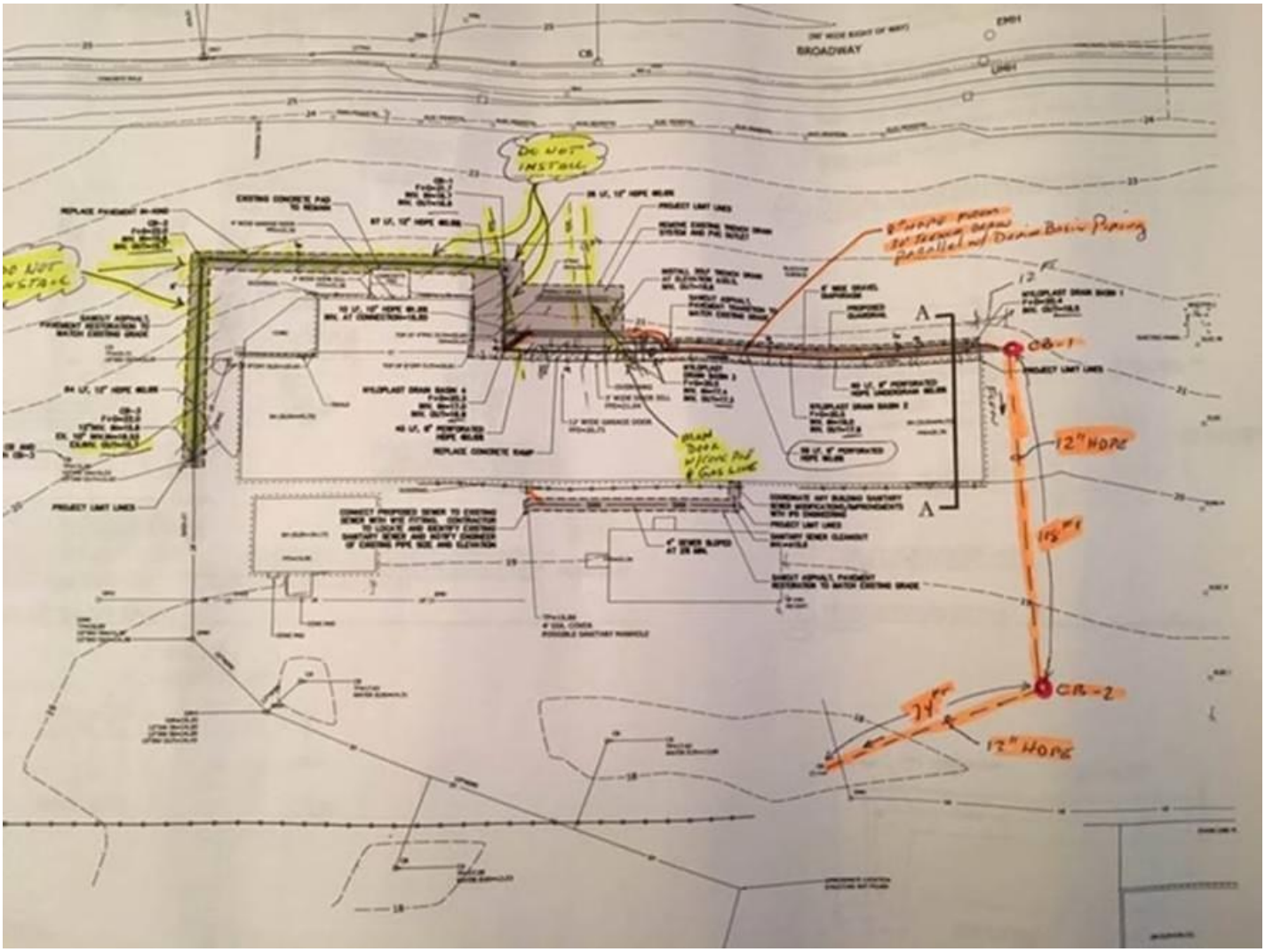
Brussel, John

From: Brussel, John
Sent: Monday, December 2, 2019 9:07 AM
To: Doug MacNeil (douglas.macneal@dec.ny.gov)
Cc: Cummins, Gerald; 'matthew.root2@nationalgrid.com'; Andrew R. Blaszkow; 'Pete Hitchcock'; Powlin, Scott; Kanauer, Nicholas
Subject: Construction Update & Plan Modification: Versaire Bldg Drainage Improvements, National Grid - North Albany Service Center (NYSDEC Site #401040)

Doug,

We wanted to let you know that, after some delays, construction of the drainage improvements outside the Versaire building got underway on November 21st. However, work has been temporarily halted because the Contractor encountered a subsurface gas main and electric line on the west side of the building at the approximate elevations of the proposed new 8-inch diameter HDPE perforated drain pipe that was supposed to extend through the area. The utilities are in a concrete pad than cannot be moved. National Grid's design engineer has proposed a solution that involves reversing the flow from part of the proposed new drain pipe on the west side of the building. Flow in the new drain pipe will be conveyed from south-to-north (instead of north-to-south), from just north of the overhead door to a proposed new catch basin (CB-1) at the northwest corner of the building (see Image #1 below). In addition, sections of new 12-inch diameter HDPE storm sewer pipe will be installed to convey flow from new catch basin CB-1 eastward to another proposed new catch basin northeast of the building (CB-2) and then southward to an existing catch basin.

Image #1:



The proposed new storm sewer piping to the north/northeast of the Versaire building will require additional trenching. Soil borings were not drilled in this area as part of the focused investigation for the drainage improvements, but conditions in this general area were previously evaluated by soil borings drilled at two locations as part of previous site investigation work (locations SB-108 and SB-128 as shown on Image #2 below). No NAPL was observed at either location and no detectable or only low levels of BTEX and PAHs were identified by laboratory analysis of the soil samples from these locations. Based on the findings from the drilling and sampling at SB-108 and SB-128, no further soil boring/sampling is proposed for the planned storm sewer system extension into this area.

Soil removed from the proposed trench for the storm sewer system extension will be stockpiled onsite in a lined material staging area consisting of polyethylene sheeting placed over the asphalt pavement and sidewalls formed using hay bales, jersey barriers, or similar. The stockpile will be covered to minimize contact with precipitation. The soil placed in the stockpile will be characterized for reuse or offsite disposal. If visibly-impacted soil (NAPL) were to be encountered during excavation north of the Versaire Building (although not anticipated), this material will be removed and managed properly (transported for offsite treatment/disposal based on the characterization sampling results).

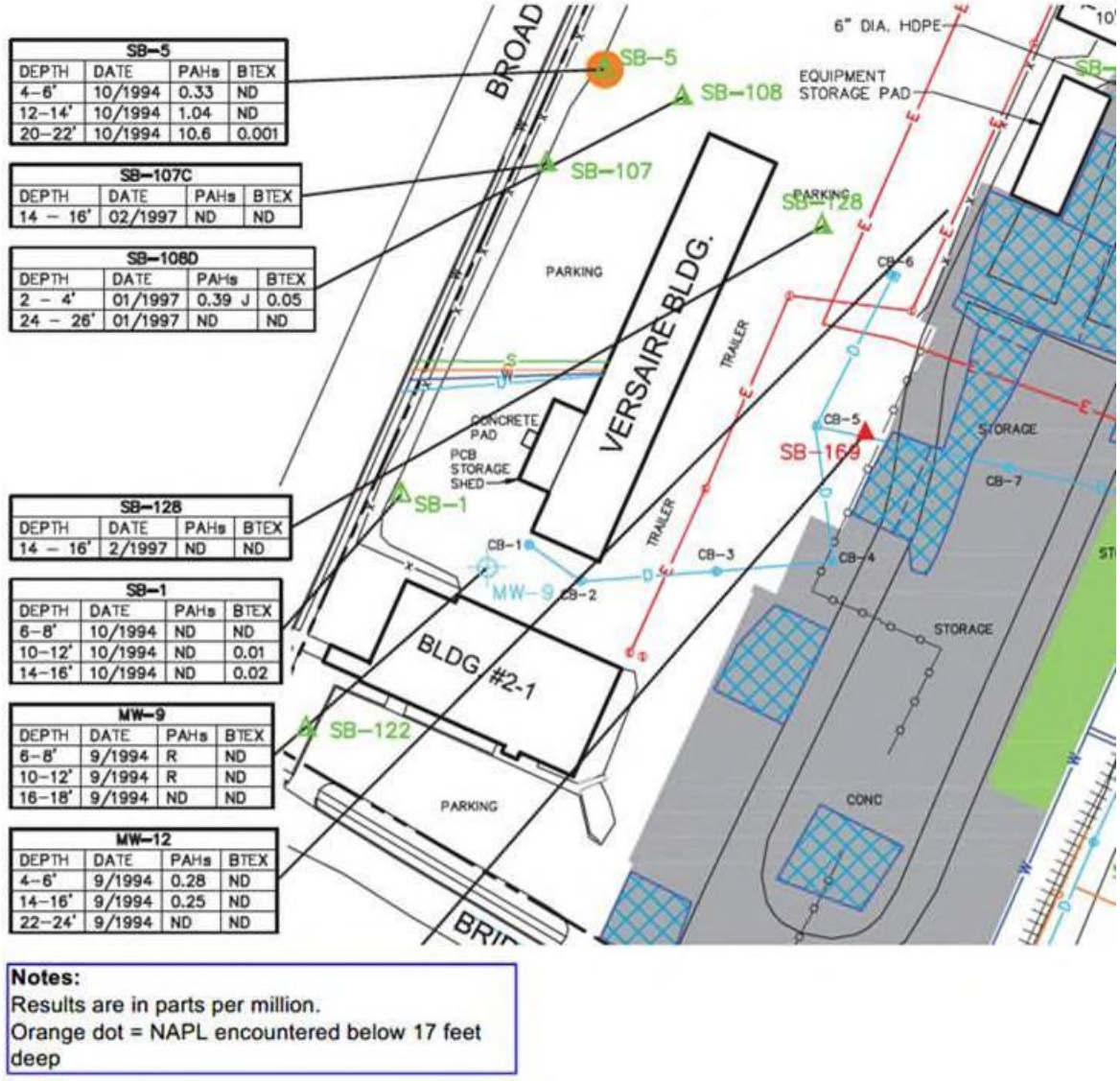
The Contractor's Hazwoper-trained personnel will handle the material removed from the trenches with guidance from National Grid and the Arcadis oversight team. Arcadis will conduct community air monitoring during this additional excavation work and will observe the trench sidewalls/bottom and excavated spoils for the presence or absence of NAPL.

Feel free to call Garry Cummins (National Grid Site Investigation and Remediation Project Manager at 315.440.5825), Matt Root (National Grid SHE Environmental Compliance at 518.433.3696) or me (Arcadis Project Manager at 315.671.9441) if you have any questions or need additional information.

Thank you.

John

Image #2:



From: MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>
Sent: Thursday, October 24, 2019 1:20 PM
To: Brussel, John <John.Brussel@arcadis.com>
Cc: Cummins, Gerald <Gerald.Cummins@nationalgrid.com>; 'matthew.root2@nationalgrid.com' <matthew.root2@nationalgrid.com>; Andrew R. Blaszkow <ABlaszkow@nelsonae.com>; Powlin, Scott <Scott.Powlin@arcadis.com>; Healy, Lawrence <Lawrence.Healy@arcadis.com>
Subject: RE: For NYSDEC Information: Scheduled Start of Versaire Bldg Drainage Improvements, National Grid - North Albany Service Center (NYSDEC Site #401040)

John,

I just got your voicemail. It is acceptable to re-use the material onsite, based on the existing data that shows that it meets the industrial standards.

From: Brussel, John <John.Brussel@arcadis.com>
Sent: Thursday, October 24, 2019 9:39 AM
To: MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>
Cc: Cummins, Gerald <Gerald.Cummins@nationalgrid.com>; 'matthew.root2@nationalgrid.com' <matthew.root2@nationalgrid.com>; Andrew R. Blaszkow <ABlaszkow@nelsonae.com>; Powlin, Scott <Scott.Powlin@arcadis.com>; Healy, Lawrence <Lawrence.Healy@arcadis.com>
Subject: RE: For NYSDEC Information: Scheduled Start of Versaire Bldg Drainage Improvements, National Grid - North Albany Service Center (NYSDEC Site #401040)

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Doug,

We wanted to let you know that the excavation start date for the referenced construction project has changed from October 28th to November 5th.

Let us know of any comments or questions on the environmental procedures outlined in the Focused Investigation Report.

Thank you.

John

From: Brussel, John
Sent: Friday, October 18, 2019 1:20 PM
To: Doug MacNeil (douglas.macneal@dec.ny.gov) <douglas.macneal@dec.ny.gov>
Cc: Cummins, Gerald <Gerald.Cummins@nationalgrid.com>; 'matthew.root2@nationalgrid.com' <matthew.root2@nationalgrid.com>; Andrew R. Blaszkow <ABlaszkow@nelsonae.com>; Powlin, Scott <Scott.Powlin@arcadis.com>; Healy, Lawrence <Lawrence.Healy@arcadis.com>
Subject: RE: For NYSDEC Information: Scheduled Start of Versaire Bldg Drainage Improvements, National Grid - North Albany Service Center (NYSDEC Site #401040)

Doug – Per follow-up communications with National Grid and the Contractor, it looks like the actual soil excavation work will not start until Monday, October 28, 2019. Arcadis plans to be onsite starting then.

Let us know of any questions.

Thanks.

John

From: Brussel, John
Sent: Friday, October 18, 2019 11:40 AM
To: Doug MacNeil (douglas.macneal@dec.ny.gov) <douglas.macneal@dec.ny.gov>
Cc: Cummins, Gerald <Gerald.Cummins@nationalgrid.com>; 'matthew.root2@nationalgrid.com' <matthew.root2@nationalgrid.com>; Andrew R. Blaszkow <ABlaszkow@nelsonae.com>; Powlin, Scott <Scott.Powlin@arcadis.com>; Healy, Lawrence <Lawrence.Healy@arcadis.com>
Subject: For NYSDEC Information: Scheduled Start of Versaire Bldg Drainage Improvements, National Grid - North Albany Service Center (NYSDEC Site #401040)

Doug,

We wanted to let you know that National Grid has awarded the contract for the Versaire Building drainage improvements construction work to Hitchcock Building and Ground Maintenance, Inc. (Hitchcock).

I understand that Hitchcock anticipates receiving a building permit today and is prepared to start work (e.g., saw cutting/pavement removal) next Wednesday and anticipate construction being completed by the start of December 2019. We are waiting for Hitchcock's detailed construction schedule, but wanted to give you advance notice.

Arcadis will provide an onsite representative to perform community air monitoring and observe and document the work for compliance with the environmental procedures outlined in the September 27, 2019 Focused Investigation Report.

Per discussions during the October 3, 2019 pre-construction meeting, Hitchcock plans to use staff with 40-hour Hazwoper training for the ground-intrusive construction work.

Feel free to call Matt Root, Garry Cummins, or me (see contact information in the e-mail below) if you have any questions or need additional information.

Thank you.

John

From: Brussel, John
Sent: Friday, September 27, 2019 4:18 PM
To: Doug MacNeil (douglas.macneal@dec.ny.gov) <douglas.macneal@dec.ny.gov>
Cc: 'Cummins, Gerald' <Gerald.Cummins@nationalgrid.com>; Healy, Lawrence <Lawrence.Healy@arcadis.com>
Subject: For NYSDEC Information: Focused Investigation Report, Versaire Building Drainage Improvements, National Grid - North Albany Service Center (NYSDEC Site #401040)

Doug,

On behalf of National Grid, please find the attached letter report summarizing the August 2019 Focused Investigation performed to evaluate conditions within the footprint of proposed drainage improvements for the Versaire Building at the North Albany Service Center.

As summarized in the attached letter, the soil around the Versaire building and beneath its floor slab is unaffected by the former MGP. Overall, the soil and concrete analytical results are less than corresponding cleanup levels, except lead was identified at one soil sampling location west of the building at a concentration slightly exceeding the corresponding NYSDEC industrial soil cleanup objective.

National Grid has retained a contractor with Hazwoper-trained personnel for the proposed construction and soil excavation/handling aspects of the proposed drainage improvements project. The contractor will follow the environmental requirements outlined in the attached report.

A pre-construction meeting is scheduled for next Thursday, October 3, 2019. The construction schedule has not yet been determined.

Feel free to call Garry Cummins (National Grid Site Investigation and Remediation Project Manager at 315.440.5825), Matt Root (National Grid SHE Environmental Compliance at 518.433.3696) or me (Arcadis Project Manager at 315.671.9441) if you have any questions or need additional information.

Thank you.

John

John C. Brussel, PE | Principal Engineer/Certified Project Manager | John.Brussel@arcadis.com
Arcadis | Arcadis of New York, Inc.
One Lincoln Center, 110 West Fayette Street, Suite 300, Syracuse, NY | 13202 | USA
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Professional Registration / PE-NY, #075208

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ARCADIS Design & Consultancy for natural and built assets

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ATTACHMENT 2

Record Drawings

ALBANY BROADWAY GARAGE

NATIONAL GRID

ALBANY, NEW YORK

nationalgrid

OCTOBER 08, 2019

IPD Project Number 18-2165

ISSUED FOR CONSTRUCTION

DRAWING LIST	
Sheet Number	Sheet Title
C-001	COVER SHEET
P-001	GENERAL INFORMATION
PD101	FLOOR PLAN - DEMOLITION
P-101	FLOOR PLAN - NEW WORK
C-1	GENERAL NOTES
C-2	LAYOUT, UTILITY AND GRADING PLAN
C-3	SITE DETAILS
C-4	SITE DETAILS

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315.423.0185
535 WASHINGTON STREET, 12TH FLOOR,
BUFFALO, NEW YORK 14203
716.935.6425

AS BUILT
DRAWING

07/22/2020

BENCHMARK
NUTHEAD OF ARROW ON HYDRANT
ELEVATION=27.36'

BUILDING

BUILDING

DMH
RIM=25.59

(NOTE: ROAD BEING RE-PAVED AT TIME OF SURVEY)

BLACKTOP SURFACE

CBCI
TF=24.56
12"INV IN=19.06
15"INV OUT=19.06

15"RCP

UP W/ELEC RISER AND TRANSFORMER

CB
TF=24.05
12"INV OUT=20.25

GRANITE CURB

SMH

(66' WIDE RIGHT OF WAY)
BROADWAY

EMH

12"PVC

CB

CONCRETE WALK

N24°02'12"E

1398.50'

UMH

(MAP REFERENCE NO. 5)

8' WIDE GARAGE DOOR
FFE=22.39
3' WIDE DOOR SILL
FFE=22.38

GUIDERAIL

CONCRETE PAD

BLACKTOP SURFACE

BENCHMARK
DRILLHOLE IN CONCRETE
ELEVATION=20.52'

CONC

CB
TF=19.71
10"INV OUT=18.29

SWALE

10"PVC

CONC PAD

OVERHANG
3' WIDE DOOR SILL
FFE=21.04

12' WIDE GARAGE DOOR
FFE=20.73

CB
TF=19.30
10"INV IN=16.53
15"INV OUT=15.00

15"HDPE

GUIDERAIL

BP
W/LIGHT

CONC PAD

CONC PAD

DMH
TF=18.68
15"INV IN=14.38
15"INV OUT=14.38

15"HDPE

12"HDPE

CB
TF=17.61
WATER ELEV=14.31

DMH
RIM=18.20
12"INV IN=14.20
15"INV IN=14.20
15"INV OUT=14.10

CB
TF=17.62
WATER ELEV=13.80

15"HDPE

CB
TF=17.58
WATER ELEV=13.53

APPROXIMATE LOCATION
STRUCTURE NOT FOUND

15"HDPE

CHAIN L

BLACKTOP SURFACE

1 C–2 SITE PLAN
SCALE: 1"=20'

GRAPHIC SCALE
0 20' 40'
(IN FEET)
1 inch = 20 ft

LEGEND: PROPOSED

- PROPOSED STORM PIPE
- PROPOSED TRENCH DRAIN
- PROJECT LIMIT LINE
- PROPOSED GUARD RAIL
- PROPOSED CATCH BASIN
- PROPOSED NYLOPLAST DRAIN BASIN
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- PROPOSED GRAVEL
- ±20.5 PROPOSED FINISHED SPOT ELEVATION

EXISTING BUILDING. COORDINATE ANY BUILDING RELATED IMPROVEMENTS WITH IPD ENGINEERING

PROPOSED GUIDERAIL FOR BUILDING PROTECTION, SEE DETAIL

EXISTING PAVEMENT

6'

6" WIDE GRAVEL AREA

8" UNDERDRAIN, SEE DETAIL

2 C–2 SECTION A-A
SCALE: NTS

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TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE DRAWINGS ARE IN COMPLIANCE WITH APPLICABLE NEW YORK STATE BUILDING CODES INCLUDING THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

ALBANY BROADWAY GARAGE

nationalgrid

ALBANY,
NEW YORK

MK	DATE	DESCRIPTION
A	00.00.00	PRELIMINARY

PROJECT NO.	18-2165
DATE	10/08/19
DRAWN BY	WTT
CHECKED BY	AD

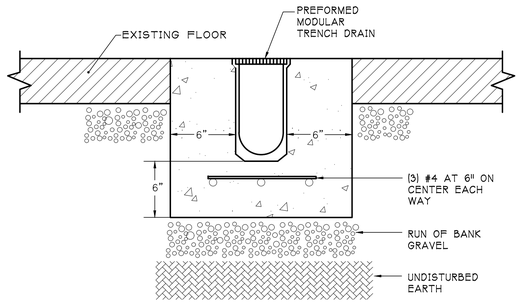
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SHEET TITLE

LAYOUT, UTILITY AND GRADING PLAN

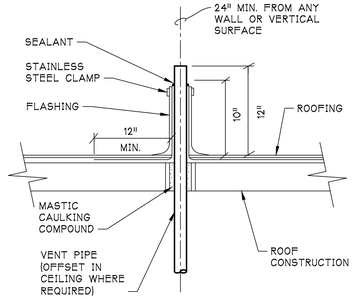
SHEET NUMBER

C-2



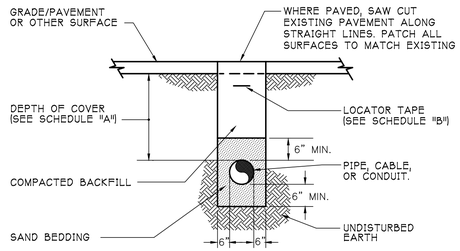
TRENCH DRAIN DETAIL

SCALE: NOT TO SCALE



VENT THRU ROOF DETAIL

SCALE: NOT TO SCALE



UTILITY TRENCH DETAIL

SCALE: NOT TO SCALE

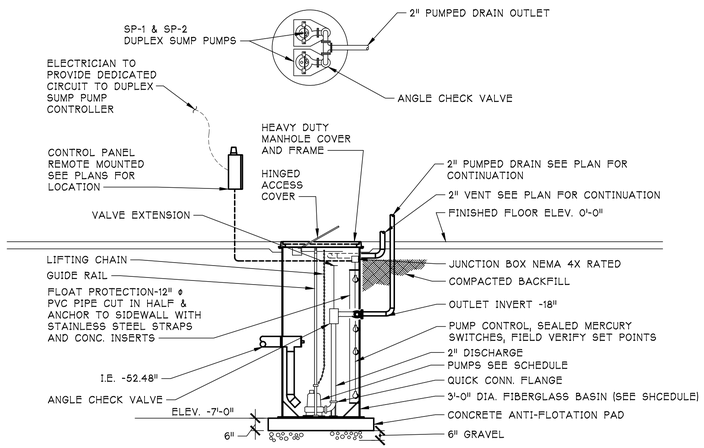
NO SCALE

SCHEDULE A - MINIMUM DEPTH OF COVER OVER UTILITY

UTILITY	DEPTH
GAS, OIL, ELECTRIC	24"-30"
WATER	66"
SANITARY,STORM	AS INDICATED

SCHEDULE B - LOCATOR TAPE IDENTIFICATION

UTILITY	TAPE COLOR
GAS, OIL	YELLOW
WATER	BLUE
ELECTRIC	RED
SANITARY, STORM	GREEN



FLOAT SWITCH INVERTS (TO BE VERIFIED BY P.C.)	
SECOND PUMP ON	-4'-8"
ALARM LEVEL	-5'-2"
FIRST PUMP ON	-5'-8"
PUMPS OFF	-6'-8"

NOTES:

1. PREFABRICATED FIBERGLASS BASIN W/ RAILS, INLET, DISCHARGE AND CONDUIT TAPS.
2. SINGLE HATCH BASIN COVER: LIBERTY MODEL K001213.
3. PUMP CONTROL AND ALARM FLOATS MECHANICALLY ACTIVATED NORMALLY OPEN/CLOSED (FIELD VERIFY CABLE LENGTH REQUIRED): SJE RHOMBUS "SIGNALMASTER" OR EQUAL.
4. COORDINATE ALL ELEVATIONS AND ACCESSORIES PROVIDED BY OTHERS PRIOR TO INSTALLATION.

SP-1 & SP-2 SUMP PUMP DUPLEX PUMPING STATION

SCALE: NOT TO SCALE

GENERAL PLUMBING NOTES:

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT; HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SPECIFIED TO MAKE THE SYSTEMS BEING INSTALLED COMPLETE, CODE COMPLIANT, TESTED AND OPERATIONAL.
2. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
3. ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION, REMOVALS AND DISPOSAL SHALL BE IN ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.
4. PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE ALL TRADES OF THIS CONTRACT AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. ALL WORK IN THIS SET TO BE COMPLETED UNDER THIS CONTRACT, UNLESS OTHERWISE INDICATED.
5. PROTECT ALL EXISTING AND NEW BUILDING ELEMENTS FROM DAMAGE. CONTRACTOR SHALL RESTORE ALL DAMAGED ELEMENTS TO ORIGINAL OR BETTER CONDITION.
6. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES, DUCTS, AND CONDUIT EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS.
7. MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURER'S EQUIPMENT CLEARANCES.
8. CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO ISOLATING, SHUTTING DOWN, DRAINING, FILLING AND TESTING SYSTEMS TO ALLOW FOR COMPLETION OF WORK. INTERRUPTIONS TO EXISTING SERVICES AND SYSTEMS SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AND DURATION APPROVED BY THE OWNER AND UTILITY AS APPLICABLE. INCLUDE ALL PREMIUM TIME ASSOCIATED WITH INTERRUPTIONS. ALL SYSTEM INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER, UTILITY AND COORDINATED WITH OTHER TRADE WORK.
9. ALL EQUIPMENT PIPING, WIRING, INSULATION ETC. INSTALLED IN HVAC AIR PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
10. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS AND FLOORS WITH UL RATED MATERIALS/METHODS EQUIVALENT TO FIRE RATING OF ASSEMBLY.
11. PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS/DOORS SHALL BE A MINIMUM OF 12"X12", UNLESS OTHERWISE NOTED.
12. DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS. ALL SUPPORT SHALL BE FROM BUILDING STRUCTURE OR FROM CEILING SUSPENSION SYSTEM WHICH HAS BEEN REINFORCED. SUPPORTS SHALL BE SELECTED AND INSTALLED TO PROVIDE A VIBRATION FREE INSTALLATION.

LEGEND

----------	BELOW SLAB PIPING
—— CW ——	COLD WATER PIPING
—— HW ——	HOT WATER PIPING
—— HWC ——	HOT WATER RECIRC PIPING
—— ST ——	STORM PIPING
—— PD ——	PUMPED PIPING
—— IW ——	INDIRECT WASTE PIPING
—— SAN ——	SANITARY PIPING
—— D ——	DRAIN PIPING
----- V -----	VENT PIPING
—— G ——	NATURAL GAS PIPING
ADA	AMERICANS W/ DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
DN	DOWN
VTR	VENT THROUGH ROOF
TYP	TYPICAL
I.E.	INVERT ELEVATION
	BALL VALVE
	BALANCE VALVE
WH	WALL HYDRANT
	PIPE DOWN
	PIPE UP
	PUMP
	UNION
	SWING CHECK VALVE
	RELIEF VALVE
	PRESSURE GAUGE
	THERMOMETER
	CLEAN OUT
	FLOOR DRAIN
	DECK PLATE CLEANOUT

OIL WATER SEPARATOR

NO.	STATIC HOLDING CAPACITY GAL.	STATIC HOLDING CAPACITY CU.FT.	TANK SIZE (WxLxD)	UNIT WEIGHT (LBS.)	NO. OF COVERS	INLET AND OUT SIZE (IN.)	DESIGN EQUIPMENT
OWS-1	525	70	95.75 x 76.25 x 60	3454	6	6	ROCKFORD OST-5658-500

PUMP SCHEDULE

NO.	LOCATION	SERVICE	GPM	HEAD FT WATER	MOTOR				TYPE	DESIGN MAKE
					HP/ WATTS	VOLTAGE	PHASE	AMP		
SP-1	SERVICE BAY	SUMP PIT	20	28	1/2 HP	208/230	1	4	SUMP	LIBERTY 280HV
SP-2	SERVICE BAY	SUMP PIT	20	28	1/2 HP	208/230	1	4	SUMP	LIBERTY 280HV
SP-3	SERVICE BAY	SUMP PIT	20	28	1/2 HP	208/230	1	4	SUMP	LIBERTY 280HV
SP-4	SERVICE BAY	SUMP PIT	20	28	1/2 HP	208/230	1	4	SUMP	LIBERTY 280HV

1. SUMP PUMP TO BE PROVIDED WITH FIBERGLASS BASIN, BASIN COVER, CONTROL PANEL (LIBERTY AE21L=3), FLOATS AND HIGH WATER ALARM. SEE DETAIL FOR SIZES.

FIXTURE AND EQUIPMENT CONNECTION SCHEDULE

DESIGNATION	DESCRIPTION	COLD WATER	HOT WATER	SANITARY/ STORM	VENT	MANUFACTURER	MODEL	ACCESSORIES	REMARKS
TD-A	TRENCH DRAIN	-	-	4"	AS NOTED	J.R. SMITH	10" WIDE - 9878	CLASS 'E' GRATE - FOR 9812 TRENCH	1
CB-A	CATCH BASIN	-	-	4"	AS NOTED	J.R. SMITH	9878-621D-CB	CLASS - 'E' GRATE	2
C0-A	CLEANOUT	-	-	4"	AS NOTED	ZURN	Z-1400		

NOTES:
1. POWDER WELDED STEEL FRAME SUPPORT SYSTEM.
2. PROVIDE OPTIONAL PVC 4" PIPE ADAPTERS.

PLUMBING PIPING SCHEDULE

SERVICE	PIPE SIZES	PIPE MATERIAL	FITTINGS	CONNECTIONS	REMARKS
STORM AND VENT					
	--	SCHEDULE 40 PVC, SOLID WALL	PVC, SOCKET TYPE	SOLVENT CEMENT	NOTE 1, 2, 3

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE DETECTABLE UNDERGROUND WARNING TAPE , 5 MIL POLYETHYLENE, 6 INCH WIDE, ALUMINUM BACK IDENTIFYING ALL BELOW GRADE SERVICES.
3. PVC PIPING SHALL NOT BE PROVIDED WITH IN CEILING RETURN AIR PLENUM.

AS BUILT DRAWING

07/22/2020

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TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE DRAWINGS ARE IN COMPLIANCE WITH APPLICABLE NEW YORK STATE BUILDING CODES INCLUDING THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

ALBANY BROADWAY GARAGE

nationalgrid

ALBANY,
NEW YORK

MK	DATE	DESCRIPTION
1	01.27.20	ADDITIONAL SUMP BASIN
A	07.15.19	PRELIMINARY

PROJECT NO.	18-2165
DATE	10/08/19
DRAWN BY	WTT
CHECKED BY	AD

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SHEET TITLE

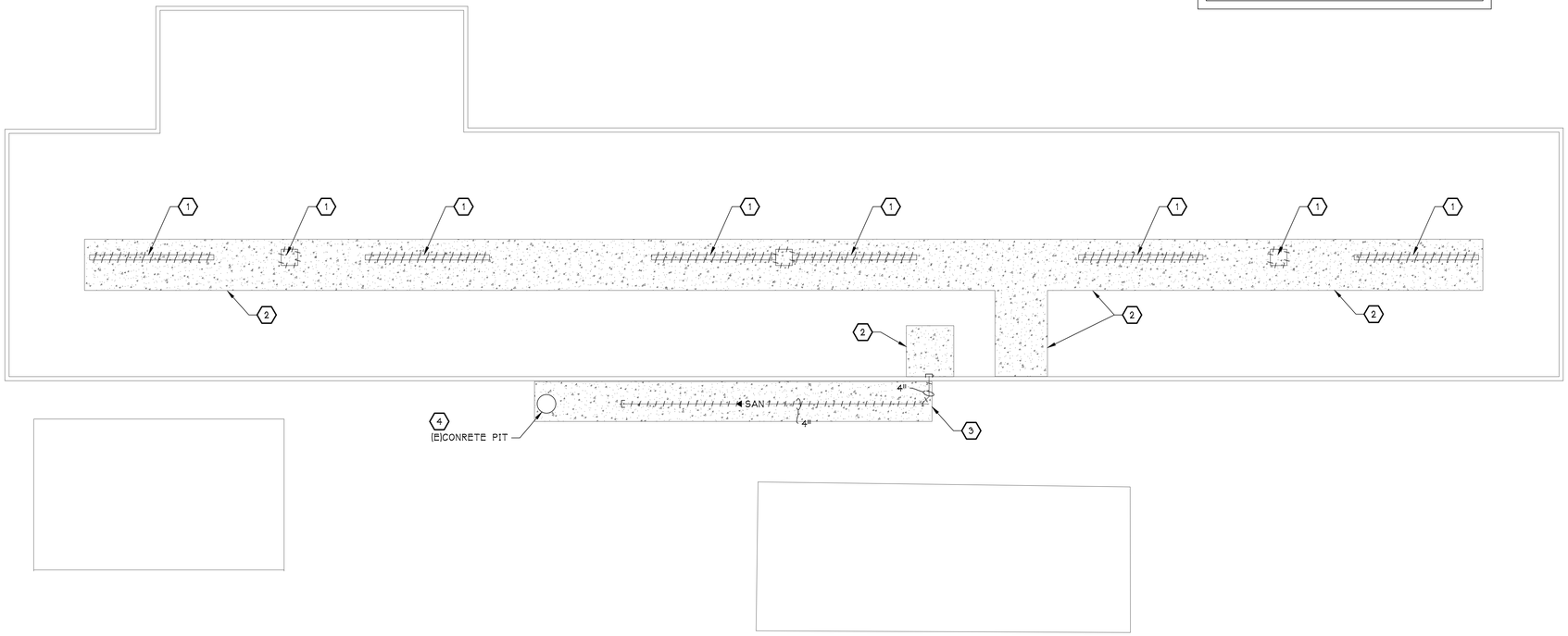
GENERAL INFORMATION

SHEET NUMBER

P-001

KEYED NOTES:

1. SAW CUT AND EXCAVATE AS REQUIRED TO REMOVE EXISTING TRENCH DRAINS, CATCH BASINS AND PIPING AS INDICATED. CAP EXISTING PIPING AT MAIN. SEE NEW WORK DRAWING FOR CONTINUATION OF WORK IN THIS AREA.
2. SAW CUT AND EXCAVATE AS REQUIRED TO ALLOW THE INSTALLATION OF NEW TRENCH DRAINS, CATCH BASINS, PIPING AND OIL SEPARATOR AS INDICATED. SEE NEW WORK DRAWING FOR CONTINUATION OF WORK IN THIS AREA.
3. REMOVE EXISTING 4" SANITARY PIPE.
4. COORDINATE WITH OWNER TO REMOVE OR ABANDON IN PLACE EXISTING CONCRETE PIT.



1 FLOOR PLAN - DEMOLITION
SCALE: 3/32 = 1'-0"

AS BUILT DRAWING
07/22/2020

IPD
ENGINEERING
ONE WEBSTER'S LANDING
SYRACUSE, NEW YORK 13202
315.423.0185
535 WASHINGTON STREET, 12TH FLOOR,
BUFFALO, NEW YORK 14203
716.935.6425

IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER AN ITEM ON THIS DRAWING IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE DRAWINGS ARE IN COMPLIANCE WITH APPLICABLE NEW YORK STATE BUILDING CODES INCLUDING THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

ALBANY BROADWAY GARAGE

nationalgrid

ALBANY,
NEW YORK

MK	DATE	DESCRIPTION
1	01.27.20	ADDITIONAL SUMP BASIN
A	07.15.19	ADDENDUM #1

PROJECT NO.	18-2165
DATE	10/08/19
DRAWN BY	WTT
CHECKED BY	AD

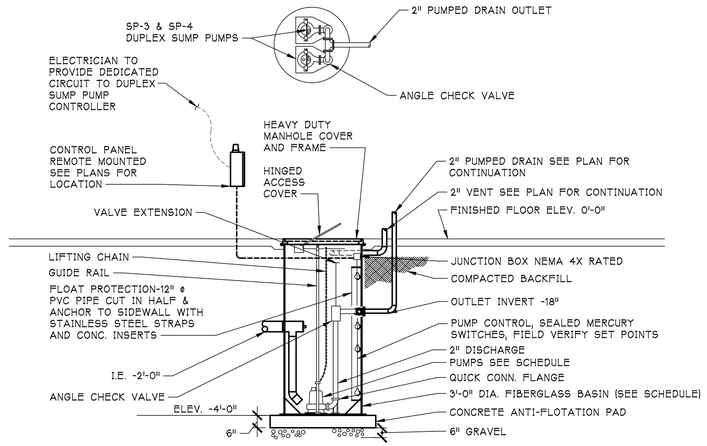
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SHEET TITLE

FLOOR PLAN - DEMOLITION

SHEET NUMBER

PD101



FLOAT SWITCH INVERTS (TO BE VERIFIED BY P.C.)	
SECOND PUMP ON	-2'-0"
ALARM LEVEL	-2'-2"
FIRST PUMP ON	-2'-8"
PUMPS OFF	-3'-8"

NOTES:

1. PREFABRICATED FIBERGLASS BASIN W/ RAILS, INLET, DISCHARGE AND CONDUIT TAPS.
2. SINGLE HATCH BASIN COVER: LIBERTY MODEL K001213.
3. PUMP CONTROL AND ALARM FLOATS MECHANICALLY ACTIVATED NORMALLY OPEN/CLOSED (FIELD VERIFY CABLE LENGTH REQUIRED): SJE RHOMBUS "SIGNALMASTER" OR EQUAL.
4. COORDINATE ALL ELEVATIONS AND ACCESSORIES PROVIDED BY OTHERS PRIOR TO INSTALLATION.

SP-3 & SP-4 SUMP PUMP DUPLEX PUMPING STATION

SCALE: NOT TO SCALE

GENERAL ELECTRICAL NOTES:

A. COMPLY WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, NATIONAL FIRE PROTECTION ASSOCIATION, UNDERWRITERS LABORATORY, AND ALL APPLICABLE LOCAL CODES.

B. ELECTRICAL POWER CONDUCTORS AND CABLES SHALL HAVE TYPE THHN/THWN INSULATION.

C. PROVIDE EQUIPMENT GROUNDING CONDUCTOR THE FULL LENGTH OF ALL CIRCUITS. PROVIDE A SEPARATE GROUNDING CONDUCTOR FOR EACH CIRCUIT.

D. PROVIDE EMT CONDUIT FOR INTERIOR DRY LOCATIONS NOT SUBJECT TO PHYSICAL DAMAGE. PROVIDE RIGID METAL CONDUIT FOR ALL WET OR DAMP LOCATIONS AND LOCATIONS SUBJECT TO PHYSICAL DAMAGE.

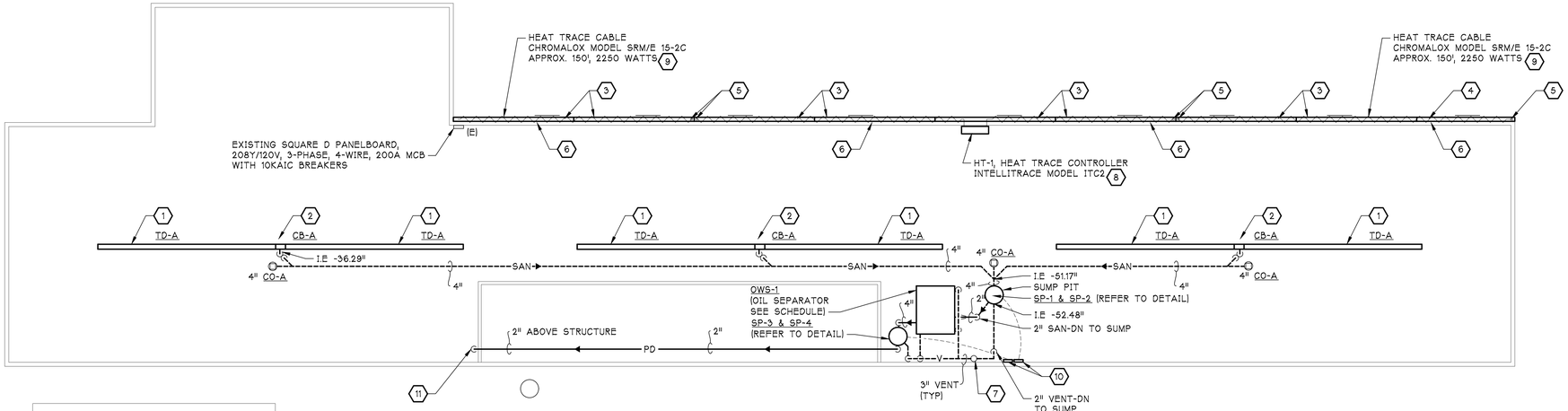
E. THE MINIMUM CONDUIT SIZE SHALL BE 3/4".

F. PROVIDE LIQUIDTIGHT FLEXIBLE METAL CONDUIT FOR ALL MOTOR CONNECTIONS.

G. PROVIDE UPDATED TYPEWRITTEN PANELBOARD DIRECTORY REFLECTING ALL CIRCUIT CHANGES AND DELETIONS.

KEYED NOTES:

1. PRE-SLOPED TRENCH DRAIN WITH HEAVY DUTY CAST IRON GRATE. REFER TO SCHEDULE.
2. CATCH BASIN REFER TO SCHEDULE.
3. 6" ALUMINUM K-STYLE SEAMLESS GUTTER AT TWO 20'-0" LENGTHS AT 1"/40' PITCH PER FOOT.
4. 6" ALUMINUM K-STYLE SEAMLESS GUTTER AT ONE 20'-0" LENGTHS AT 1"/20' PITCH PER FOOT.
5. 3"x4" DOWN SPOUT DOWN TO 6" ABOVE GRADE.
6. CUT ENTIRE LENGTH OF STEEL ROOF EDGE AS REQUIRED TO ALLOW FOR PROPER OVER HANG. PROVIDE DRIP EDGE.
7. 4" VENT-UP THROUGH ROOF.
8. EMPLOY LICENSED ELECTRICIAN TO PROVIDE DEDICATED 20A-1P CIRCUIT TO HEAT TRACE CONTROLLER. CIRCUIT SHALL BE 2#12, #12 GROUND IN 3/4" CONDUIT FROM 20 AMP, 1-POLE BREAKER IN EXISTING SQUARE D PANELBOARD. PROVIDE 10KAIC CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANELBOARD IN EXISTING PANELBOARD SPACE.
9. EMPLOY LICENSED ELECTRICIAN TO CIRCUIT HEAT TRACE CABLE THROUGH HEAT TRACE CONTROLLER FROM 20A-2P GFPE TYPE CIRCUIT BREAKER IN EXISTING SQUARE D PANELBOARD. CIRCUIT TO CABLE SHALL BE 2#12, #12 GROUND IN 3/4" CONDUIT. PROVIDE 10KAIC CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANELBOARD IN EXISTING PANELBOARD SPACE.
10. FOR EACH OF TWO DUPLEX SUMP PUMP CONTROLLERS, EMPLOY LICENSED ELECTRICIAN TO PROVIDE DEDICATED CIRCUIT TO CONTROLLER FROM 15A-2P BREAKER IN EXISTING SQUARE D PANELBOARD. CIRCUIT TO EACH CONTROLLER SHALL BE 2#12, #12 NEUTRAL, #12 GROUND IN 3/4" CONDUIT. PROVIDE BOTH 15A-2P BREAKERS IN EXISTING PANELBOARD SPACE. BREAKER TYPES SHALL MATCH EXISTING.
11. 2" PUMPED SANITARY PIPE DROP TO EXISTING 2" STANDPIPE. PRIOR TO CONNECTION SCOPE EXISTING 2" STAND PIPE TO VERITY IT IS CONNECTING TO SANITARY MAIN BELOW SLAB.



1 FLOOR PLAN - NEW WORK

SCALE: 3/32 = 1'-0"

AS BUILT DRAWING

07/22/2020

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ALBANY BROADWAY GARAGE

nationalgrid

ALBANY, NEW YORK

MK	DATE	DESCRIPTION
1	01.27.20	ADDITIONAL SUMP BASIN
A	07.15.19	ADDENDUM #1

PROJECT NO.	18-2165
DATE	10/08/19
DRAWN BY	WTT
CHECKED BY	AD

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SHEET TITLE

FLOOR PLAN - NEW WORK

SHEET NUMBER

P-101

ATTACHMENT 3

Photograph Log

PHOTOGRAPH LOG

Versaire Building Drainage Improvements
National Grid – North Albany Service Center
Albany, New York



Photograph: 1

Description: Underground electrical conduits encountered below concrete pad prompted drainage redesign

Location: Southwest of overhead door on west side of Versaire Building (at originally- proposed location for catch basin CB-1)

Photograph taken by: Nick Kanauer - Arcadis

Date: 11/22/2019



Photograph: 2

Description: Catch basin CB-1 installed at alternate location

Location: Outside northwest corner of Versaire Building

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/7/2019



Photograph: 3

Description: Newly-installed Nyoplast drain basins aligned with gutter downspouts

Location: Looking south along west side of Versaire Building

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/7/2019



Photograph: 4

Description: Trench to Nyoplast drain basin immediately north of mandoor; vacuum excavation proceeding to the south

Location: Approximately 75 feet south of Versaire Building's northwest corner, facing south

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/7/2019



Photograph: 5

Description: Close-up view of trench excavation seen in background in Photograph 4

Location: Approximately 120 feet south of Versaire Building's northwest corner (man-door behind Nyoplast drain)

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/7/2019



Photograph: 6

Description: Excavation proceeding along north side of Versaire Building

Location: Northeast of Versaire Building looking west toward Broadway

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/11/2019



Photograph: 7

Description: Close-up view of trench and spoils on north side of Versaire Building

Location: Off northeast corner Versaire Building, facing north (Building 2 visible in background)

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/11/2019



Photograph: 8

Description: Trench shown in Photograph 6 following trench backfilling and spoils removal

Location: Northeast of Versaire Building looking west toward Broadway

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/11/2019



Photograph: 9

Description: Unmarked 2-inch diameter iron pipe encountered during trenching. New 12-inch diameter high-density polyethylene (HDPE) pipe to be installed in trench

Location: Trench northeast of Versaire Building

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/17/2019

Versaire Building Drainage Improvements
National Grid – North Albany Service Center
Albany, New York



Photograph: 10

Description: Newly-installed catch basin CB-2 (foreground) and trench excavation underway extending toward existing catch basin to the southeast

Location: Northeast of Versaire Building facing southeast

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/18/2019

Versaire Building Drainage Improvements
National Grid – North Albany Service Center
Albany, New York



Photograph: 11

Description: Concrete encountered in trench

Location: Between newly-installed CB-2 and existing catch basin to the southeast

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/18/2019



Photograph: 12

Description: Open trench and newly-installed 12-inch diameter HDPE drainpipe in trench

Location: At newly-installed CB-2, facing southeast

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/18/2019



Photograph: 13

Description: Open trench and new 12-inch diameter HDPE drainpipe

Location: Standing adjacent to existing catch basin facing northwest (newly-installed CB-2 visible in background)

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/18/2019



Photograph: 14

Description: Close-up view of existing catch basin southeast of newly-installed catch basin CB-2

Location: Approximately 115 feet southeast from NE corner of Versaire Building

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/18/2019



Photograph: 15

Description: Backfilling and compacting stone above trench

Location: North of Versaire Building

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/18/2019



Photograph: 16

Description: Work area on west side of Versaire Building blocked off by orange traffic cones

Location: Southwest of Versaire Building facing north/northeast

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/18/2019



Photograph: 17

Description: Stockpile containing soil removed from trench excavation

Location: North of Building #2-4 (southeastern part of site, southeast of railroad spur)

Photograph taken by: Nick Kanauer - Arcadis

Date: 12/18/2019



Photograph: 18

Description: Edge of suspected former #2 fuel oil underground storage tank (UST)

Location: Outside east wall of Versaire Building

Photograph taken by: Nick Kanauer - Arcadis

Date: 1/15/2020



Photograph: 19

Description: Close-up view of suspected former #2 fuel oil UST

Location: Outside east wall of Versaire Building

Photograph taken by: Nick Kanauer - Arcadis

Date: 1/15/2020



Photograph: 20

Description: Removal of suspected former #2 fuel oil UST measuring 128-inches long and 48-inches in diameter (1,000-gallon capacity)

Location: Outside east wall of Versaire Building (mid-way between north and south ends of building)

Photograph taken by: Nick Kanauer - Arcadis

Date: 1/16/2020



Photograph: 21

Description: Close-up view of suspected former #2 fuel oil UST following removal

Location: Outside east wall of Versaire Building (mid-way between north and south ends of building)

Photograph taken by: Nick Kanauer - Arcadis

Date: 1/16/2020



Photograph: 22

Description: View inside suspected former #2 fuel oil UST; corrosion holes highlighted by daylight entering tank

Location: Outside east wall of Versaire Building at location shown in Photograph 21

Photograph taken by: Nick Kanauer - Arcadis

Date: 1/16/2020



Photograph: 23

Description: Excavation at former location of suspected former #2 fuel oil UST, following tank removal

Location: Outside east wall of Versaire Building (mid-way between north and south ends of building)

Photograph taken by: Nick Kanauer - Arcadis

Date: 1/16/2020



Photograph: 24

Description: Concrete removal

Location: Inside Versaire Building

Photograph taken by: Nick Kanauer - Arcadis

Date: 1/22/2020



Photograph: 25

Description: Vacuum excavation of soil at proposed sump tank location

Location: Inside Versaire Building

Photograph taken by: Nick Kanauer - Arcadis

Date: 1/22/2020



Photograph: 26

Description: Concrete removal

Location: Inside Versaire Building

Photograph taken by: Nick Kanauer - Arcadis

Date: 1/22/2020



Photograph: 27

Description: Partial excavation for oil-water separator tank and sump

Location: Northeast corner of Versaire Building

Photograph taken by: Nick Kanauer - Arcadis

Date: 1/17/2020



Photograph: 28

Description: Manhole into which new oil-water separator discharges

Location: East side of Versaire Building

Photograph taken by: Nick Kanauer - Arcadis

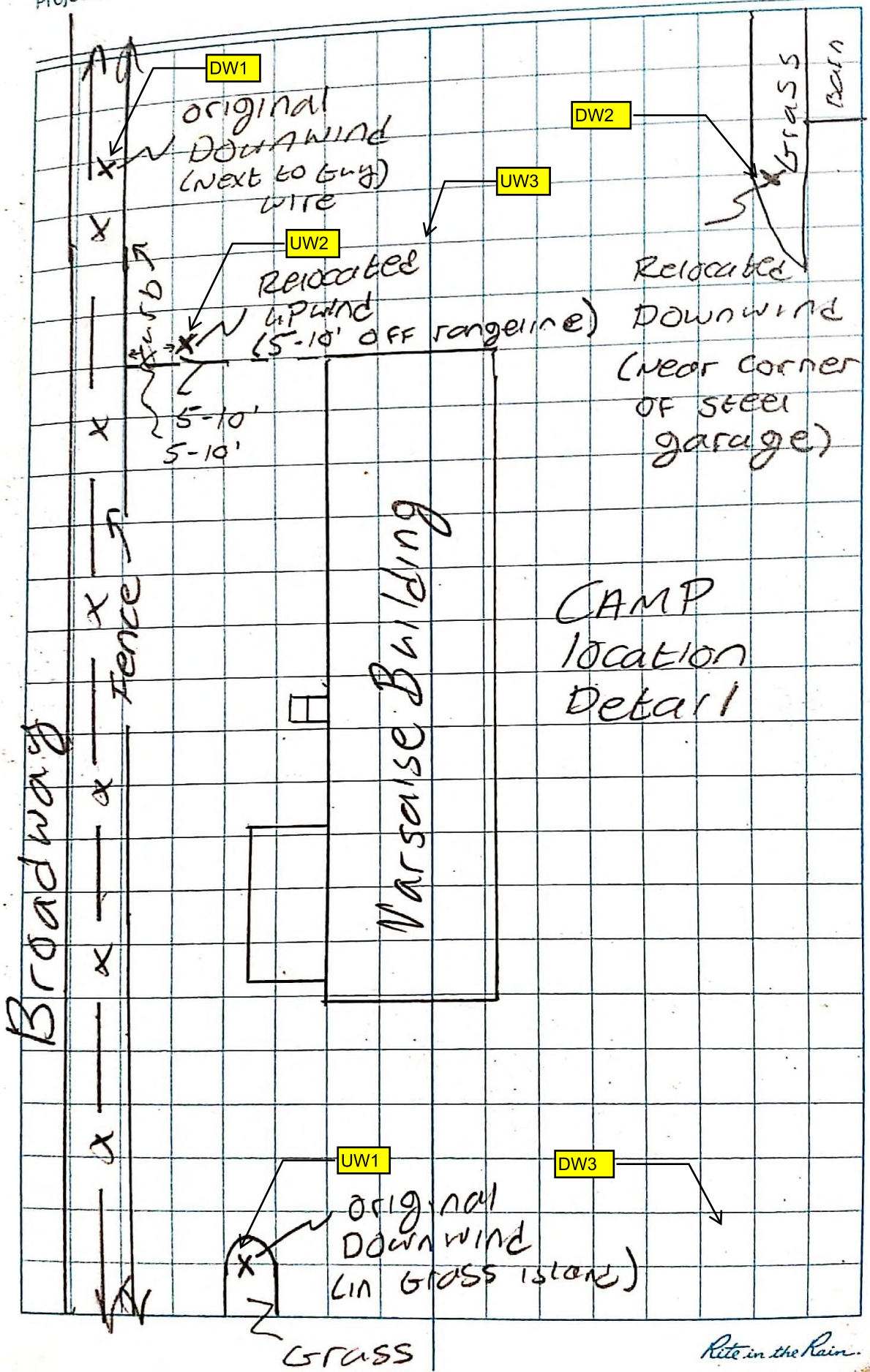
Date: 1/17/2020

ATTACHMENT 4

Air Monitoring Station Locations

Location Warsaw building Date 12-17-19

Project / Client National Grid

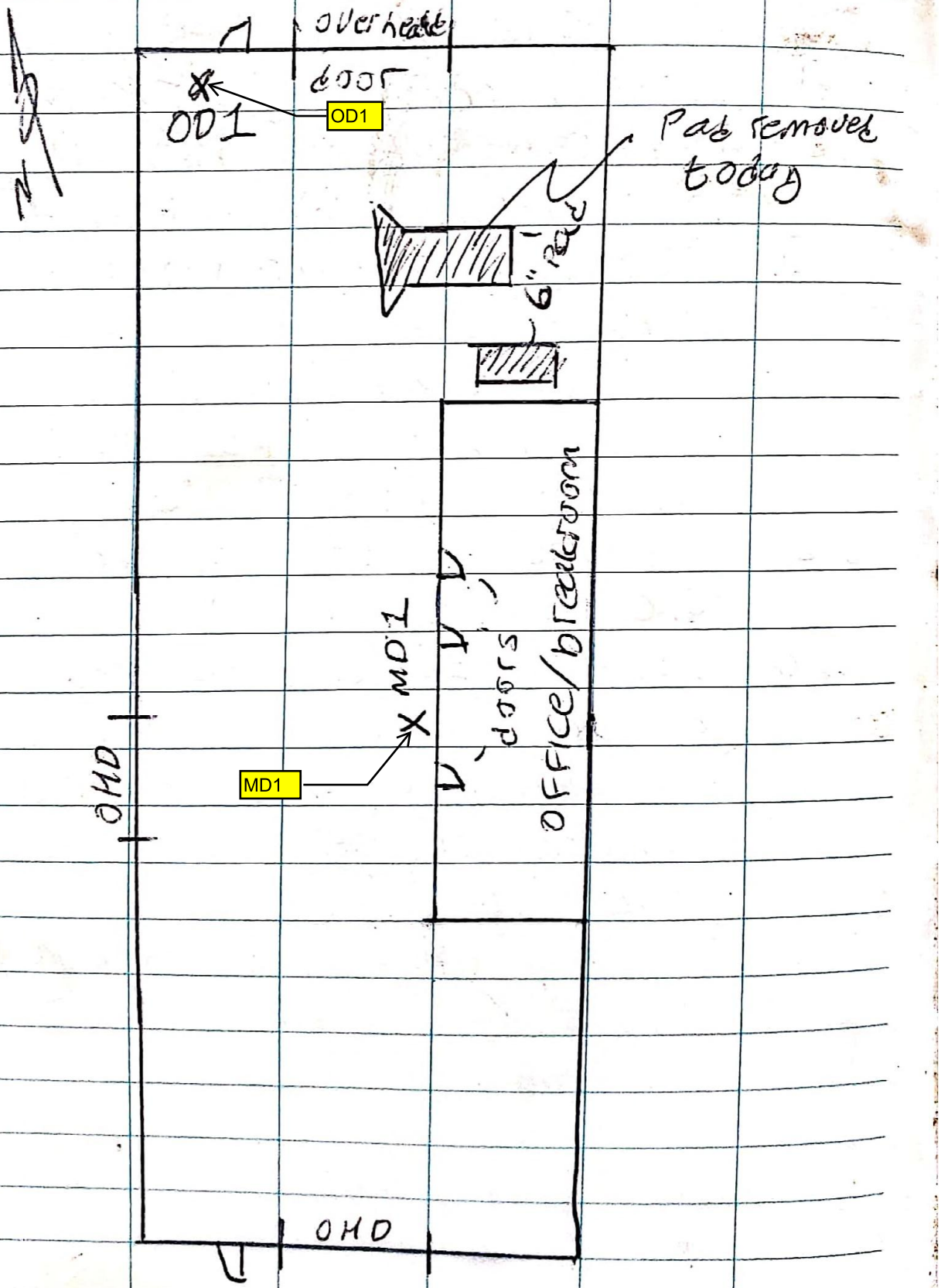


Rite in the Rain.

Location North Albany Ny Date 4/16/20

Project / Client 3003143 / National Grid

Varsaise building indoor excavation



OHD - Overhead door

ATTACHMENT 5

Waste Manifests and Treatment/Disposal Paperwork

Wayne Disposal, Inc.

49350 N I-94 SERVICE DRIVE, BELLEVILLE , MI 48111 USA

Customer Account:
NRC NY ENVIRONMENTAL SERVICES, INC
3500 SUNRISE HWY
GREAT RIVER, NY 11739, USA

Generator Site Address:
NYD000730408, NIAGARA MOHAWK - ALBANY
1125 BROADWAY
ALBANY, NY, 12204, USA

Receipt

Receipt ID: 1325424
Customer ID: 2343
Manifest / BOL: 003039630FLE
Transporter: EQ NORTHEAST, INC.
Transporter EPA ID: MAD084814136
Truck#: 567
Date: 03/05/2020
Time In: 3:16 PM
Time Out: 5:21 PM

Line	Description / Generator	Qty. Unit
1 - 1	B200051WDI - SOIL	9.180 TONS
	Hazardous Surcharge Ton	9.180 TONS
	NYD000730408 NIAGARA MOHAWK - ALBANY	
	Gross: 65,380 lbs. Tare: 47,020 lbs. Net: 18,360 lbs.	
2	e-Manifest Submission Fee	1.000 EACH
	Charge relates to: 003039630FLE	
	NYD000730408 NIAGARA MOHAWK - ALBANY	
	Gross: 65,380 lbs. Tare: 47,020 lbs. Net: 18,360 lbs.	
3	B200051WDI-TONS Additional charge due to load minimum	2.820 TONS
	Charge relates to: 003039630FLE - 1	
	NYD000730408 NIAGARA MOHAWK - ALBANY	
	Gross: 65,380 lbs. Tare: 47,020 lbs. Net: 18,360 lbs.	
4	Wayne Disposal Host Community Agreement Royalty Fee	9.180 TONS
	Charge relates to: 003039630FLE - 1	
	NYD000730408 NIAGARA MOHAWK - ALBANY	
	Gross: 65,380 lbs. Tare: 47,020 lbs. Net: 18,360 lbs.	

NO SALVAGING ON PREMISES

Page 1 of 1

12866764

NAD-163

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: [illegible] D 0 0 0 [illegible] 0 5
2. Page 1 of: 1
3. Emergency Response Phone: 800 892-46[illegible]
4. Manifest Tracking Number: 003039630 FLE

5. Generator's Name and Mailing Address: Niagara Mohawk Power Corporation (D B A National Grid
125 Broadway
Albany NY 12204
Attn: Matt Ron
Generator's Site Address (if different than mailing address): NY 12027
Generator's Phone:

6. Transporter 1 Company Name: HPC East Environmental Services Inc
U.S. EPA ID Number: M A C 3 0 0 0 8 8 3 9 8

7. Transporter 2 Company Name: EQ Northeast
U.S. EPA ID Number: MAD084814136

8. Designated Facility Name and Site Address: VEOLIA ES SOLID INC
49350 I-94 SERVICE DRIVE
BELLEVILLE MI 48111
Facility's Phone: 800 592-5480
U.S. EPA ID Number: M I D 0 4 8 0 9 0 6 3 3

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UNIDENTIFIED WASTE Environmentally hazardous substance solid, n.o.s. (lead), 9, PGIII	1	CM	1.0	T	D008	L	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: [illegible]
NRC JOB# 148042

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On Behalf of NIMO [illegible] Signature: [signature] Month: 3 Day: 3 Year: 20

INTL

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible] Signature: [signature] Month: 3 Day: 3 Year: 20
Transporter 2 Printed/Typed Name: Robert Nugent Signature: [signature] Month: 3 Day: 3 Year: PC

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H 132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Reynaldo Salo Jr. Signature: [signature] Month: 3 Day: 5 Year: 20

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

12882786

VA1D48

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number 003039630 FLE

GENERATOR

5. Generator's Name and Mailing Address — Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name: EQ Northeast — U.S. EPA ID Number: MD021[illegible]156

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1.	1		17	T		L	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name — Signature — Month 3 Day 13 Year 12

INTL

16. International Shipments ☐ Import to U.S ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month 3 Day 13 Year 12

Transporter 2 Printed/Typed Name: Robert Nugent — Signature — Month 3 Day 13 Year 12

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H 1			

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Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **TRANSPORTER'S COPY**

12866763

Description: PICKUP @ NRC IN ALBANY.
RETURN EMPTY ROLLOFF TO [illegible]

Manifest: 003039630FLE

001 Est 10 T

Supplies Supplies

HRC15

567 - 361

Driver Signature Date Customer Signature

Pickup	Date	Time	Explanation
Arrive at Shipper	3/4/	5P-	Load can + get paperwork
Start Loading		6:15P	

3/4/20 X X3/5/2020

Driver Signature Date Customer Signature

Deliver	Date	Time	Explanation
Arrive at TSDF	3/5	3:15P	Unload Can

3/5/20

Driver Signature Received Date

weight 65380

12866762

CERTIFICATE OF DISPOSAL

us ecology

This certificate is to verify the wastes specified on Manifest # 003956230FLE

have been properly disposed of in accordance with all local, state and federal regulation.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40CFR et seq.

FACILITY NAME: (Please check one)
☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)
☑ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

ESMI OF NEW YORK

Customer Usage by Date

Date Range 1/27/2020 to 1/31/2020
Customer Range 1 to ZZUNITED
Order Range 11272 to 11272
Material Range ATV01 to WP01

Date Run: 02/03/20
Time Run 1:49 PM

Date	Number	Truck ID	Material ID	Unit	Net	Material $	Delivery $	Tax / Misc $	Total $
Customer: NRC10 - NATIONAL RESPONSE CORPORATION									
Order: 11272 - VERSAIRE BUILDING TRENCH-NAT GRID SERVICE CTR									
	1125 BROADWAY	ALBANY	NY						
1/31/2020	2734411	IW-150-1783C2	CT01	0.00	39.51 tn				
1/31/2020	2734412	IW-144-3280C3	CT01	0.00	35.84 tn				
1/31/2020	2734442	IW-144-3280C3	CT01	0.00	37.78 tn				
1/31/2020	2734443	IW-150-1783C2	CT01	0.00	40.02 tn				
01 COAL TAR REMEDIATION WASTE Totals				0.00	153.15 tn				
Total Tickets: Tickets: 4									
11272 - VERSAIRE BUILDING TRENCH-NAT GRID SE...					153.15 tn				
Tickets: 4									
NRC10 - NATIONAL RESPONSE CORPORATION Totals					**153.15 tn**				
Tickets: 4									
Grand Totals					**153.15** tn				
Total Tickets: 4									

ESMI OF NEW YORK
304 Towpath Road

Fort Edward New York, 12828

Ticket No: 2734411
Date: 1/31/2020 9:47 AM
Phone: (518) 747-5500
Fax: (518) 747-1181

Customer: NRC10
NATIONAL RESPONSE CORPORATION
4240 ALBANY STREET

ALBANY NY, 12205

Order No: 11272
VERSAIRE BUILDING TRENCH-NAT G
1125 BROADWAY

ALBANY , NY 12203
Running Tonnage: 153.15

Truck: IW-150-1783C2 CEDAR HILL TRUCKING
Location: DEFAULT

Weigh Master: DONELLA_FISHER
License # 603581

Gross: 114,460 lb MAN WT Out 9:42 AM
Tare: 35,440 lb STORED In 9:43 AM
Net: 79,020 lb
39.51 tn

Remarks:

Material $
Delivery $
Misc $
Tax $
Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY $	MISC $	TAX $	TOTAL $
01 COAL TAR REMEDIATION WASTE	39.51 tn					

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of 2

3. Emergency Response Phone

4. Waste Tracking Number 146758-2

5. Generator's Name and Mailing Address
Niagara Mohawk Power Corporation (D B A National Grid)
1125 Broadway
Albany, NY 12204
Attn: Matt Rock

Generator's Site Address (if different than mailing address)
Niagara Mohawk Power Corporation (D B A National Grid)
Versaire Building
NY

Generator's Phone:

6. Transporter 1 Company Name
Cedar Hill Trucking

U.S. EPA ID Number

7. Transporter 2 Company Name
NRC East Environmental Services Inc

U.S. EPA ID Number

8. Designated Facility Name and Site Address
ESMI of New York
904 Towpath Road
Fort Edward NY 12828

U.S. EPA ID Number
NYR000012690

Facility's Phone: 518 747 5500

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. NON RCRA NON DOT REGULATED SOLIDS (MGP CONTAMINATED SITE SOILS)		CM	35 TONS		NONE
	2.			39.51		
	3					
	4.					

13. Special Handling Instructions and Additional Information 1) ERG#171

Trailer Plate # 178302 - NY

NRC JOB# 146758

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: On Behalf: Aaron Hollenbeck
Signature:
Month 1 Day 31 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: George Bonnell
Signature:
Month 1 Day 31 Year 20

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Donella L Fisher
Signature: Donella L Fisher
Month 1 Day 31 Year 20

ESMI OF NEW YORK
304 Towpath Road

Fort Edward New York, 12828

Ticket No: 2734412
Date: 1/31/2020 9:51 AM
Phone: (518) 747-5500
Fax: (518) 747-1181

Customer: NRC10
NATIONAL RESPONSE CORPORATION
4240 ALBANY STREET

ALBANY NY, 12205

Order No: 11272
VERSAIRE BUILDING TRENCH-NAT G
1125 BROADWAY

ALBANY , NY 12203
Running Tonnage: 153.15

Truck: IW-144-3280C3 Cedar Hill
Location: DEFAULT

Weigh Master: DONELLA_FISHER
License # 603581

Gross: 110,320 lb Scale 1 Out 9:40 AM
Tare: 38,640 lb STORED In 9:40 AM
Net: 71,680 lb
35.84 tn

Remarks:

Material $
Delivery $
Misc $
Tax $
Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY $	MISC $	TAX $	TOTAL $
01 COAL TAR REMEDIATION WASTE	35.84 tn					

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	2		146758 - 1

GENERATOR

5. Generator's Name and Mailing Address
Niagara Mohawk Power Corporation (D/B/A National Grid)
1125 Broadway
Albany NY 12204
Attn: Matt Root
Generator's Phone:

Generator's Site Address (if different than mailing address)
Niagara Mohawk Power Corporation (D/B/A National Grid)
Versaire Building
NY

6. Transporter 1 Company Name
Cedar Hill Trucking
U.S. EPA ID Number

7. Transporter 2 Company Name
NRC East Environmental Services, Inc
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ESMI of New York
304 Towpath Road
Fort Edward NY 12828
Facility's Phone: 518 747 5600
U.S. EPA ID Number
NYR000012369

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. NON RCRA NON DOT REGULATED SOLIDS (MGP CONTAMINATED SITE SOILS)		CM	35.84	T	NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
1) ERG#171
Trailer Plate: 328063
NRC JOB# 146758

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: On Behalf: Harm Hollenbeck
Signature:
Month: 1 Day: 31 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: George Bowling
Signature:
Month: 1 Day: 31 Year: 20

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Donella C Fisher
Signature: Donella C Fisher
Month: 1 Day: 31 Year: 20

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DESIGNATED FACILITY TO GENERATOR

ESMI OF NEW YORK
304 Towpath Road

Fort Edward New York, 12828

Ticket No: 2734442
Date: 1/31/2020 1:33 PM
Phone: (518) 747-5500
Fax: (518) 747-1181

Customer: NRC10
NATIONAL RESPONSE CORPORATION
4240 ALBANY STREET

ALBANY NY, 12205

Order No: 11272
VERSAIRE BUILDING TRENCH-NAT G
1125 BROADWAY

ALBANY , NY 12203
Running Tonnage: 153.15

Truck: IW-144-3280C3 Cedar Hill
Location: DEFAULT

Weigh Master: DONELLA_FISHER
License # 603581

Gross: 114,200 lb MAN WT Out 1:19 PM
Tare: 38,640 lb STORED In 1:20 PM
Net: 75,560 lb
37.78 tn

Remarks:

Material $
Delivery $
Misc $
Tax $
Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY $	MISC $	TAX $	TOTAL $
01 COAL TAR REMEDIATION WASTE	37.78 tn					

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 2	3. Emergency Response Phone	4. Waste Tracking Number 146758-3

GENERATOR

5. Generator's Name and Mailing Address
Niagara Mohawk Power Corporation (D B A National Grid)
1125 Broadway
Albany NY 12204
Attn: Matt Root
Generator's Phone:

Generator's Site Address (if different than mailing address)
Niagara Mohawk Power Corporation (D B A National Grid)
Versaire Building
NY

6. Transporter 1 Company Name
Cedar Hill Trucking
U.S. EPA ID Number

7. Transporter 2 Company Name
NRC East Environmental Services, Inc
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ESMI of New York
304 Townsath Road
Fort Edward NY 12828
Facility's Phone: 518 747 9500
U.S. EPA ID Number NYR000012369

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. NON RCRA NON DOT REGULATED SOLIDS (MGP CONTAMINATED SITE SOILS)		Slv	91.78		NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
ERG#171
Trailer Plate: 32X0C3/NY
NRC JOB# 146758

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: On Behalf: Aaron Hollenbeck
Signature:
Month 1 Day 31 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: George Brown
Signature:
Month 1 Day 31 Year 20

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Donella Fisher
Signature: Donella Fisher
Month 1 Day 31 Year 20

ESMI OF NEW YORK
304 Towpath Road

Fort Edward New York, 12828

Ticket No: 2734443
Date: 1/31/2020 1:45 PM
Phone: (518) 747-5500
Fax: (518) 747-1181

Customer: NRC10
NATIONAL RESPONSE CORPORATION
4240 ALBANY STREET

ALBANY NY, 12205

Order No: 11272
VERSAIRE BUILDING TRENCH-NAT G
1125 BROADWAY

ALBANY , NY 12203
Running Tonnage: 153.15

Truck: IW-150-1783C2 CEDAR HILL TRUCKING
Location: DEFAULT

Weigh Master: DONELLA_FISHER
License # 603581

Gross: 115,480 lb Scale 1 Out 1:32 PM
Tare: 35,440 lb STORED In 1:32 PM
Net: 80,040 lb
40.02 tn

Remarks:

Material $
Delivery $
Misc $
Tax $
Total $

Signature:

MATERIAL	QTY	UNIT-$	DELIVERY $	MISC $	TAX $	TOTAL $
01 COAL TAR REMEDIATION WASTE	40.02 tn					

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address
Niagara Mohawk Power Corporation (D B A National Grid)
(125 Broadway
Albany NY 12204
Attn: Matt Root
Generator's Phone:

Generator's Site Address (if different than mailing address)
Niagara Mohawk Power Corporation (D B A National Grid)
Versaire Building
NY

6. Transporter 1 Company Name
Cedar Hill Trucking
U.S. EPA ID Number

7. Transporter 2 Company Name
NRC East Environmental Services Inc
U.S. EPA ID Number

8. Designated Facility Name and Site Address
ESMI of New York
394 Townsath Road
Fort Edward NY 12828
Facility's Phone: 518 747 5500
U.S. EPA ID Number
NY R 0 0 0 0 1 2 8 6 0

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
X	1. NON RCRA NON DOT REGULATED SOLIDS (MGP CONTAMINATED SITE SOILS)		CM	37 TON 40.02		NONE
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
1) EPA#171

Trailer Plate # 1783C2-NY

NRC JOB# 146758

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: On Behalf Aaron Hollenbeck
Signature:
Month: 01 Day: 31 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: George Bullock
Signature:
Month: 1 Day: 31 Year: 20

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Donella L Fisher
Signature: Donella L Fisher
Month: 1 Day: 31 Year: 20

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DESIGNATED FACILITY TO GENERATOR

COVANTA

Protecting Icmcrt3'*

PRESHIPMENT NOTIFICATION

Ship From/Scheduling Information

Delivery Date		Time.	Estimated Tons:
Company:	Niagara Mohawk Power Corp.	Address:	144 Kensington Ave.
Contact:	Linda Scott	City, State, Zip:	Buffalo, NY 14214
Transporter:		Generator #	COV13014 Location: 2
	Shipment Pickup Date/Time:		

Waste Information

Approval #	Add #	Waste Description	Waste Type	Quantity	Class	Packaging
13820		Clean Up of Transformers/ Diesel and Hydraulic oil Spills	Process And Production Waste (PPW)	1	E	DM
Additional Approval #'s:		16-017		Ship Container #:		
				Booking #:		
				Trailer #		

1125 Broadway
Albany NY

Billing Information

Company:	Op-Tech Environmental, Inc.	Bill To WTS	COV10992	Location #	8
Contact:	Linda Scott	Telephone	(716) 873-7680		
Address:	3500 Sunrise Hwy. Bldg.200 Ste.200	Fax #	(716) 873-7807		
City, State, Zip:	Great River, NY 11739	Purchase Order #	148043		

COMMENTS:

Certificate of Disposal/Destruction

Certificate of Disposal [X] Certificate of Destruction [ ]
(facility check one)

To the exclusion of the following comments. the fisted material has been received and delivered to the refuse put and/or feed chute for combustion in the unit(s) in accordance with the conditions of the approval to accept said wastes as provided for in the Supplemental Waste Disposal Agreement. The listed material has been processed for energy recovery at Covanta Niagara i, LLC in accordance with all applicable local. state, and federal regulations; The total weight of the material disposed/destroyed is listed on the scale ticket. The placement of these materials into the pit or feed chute was witnessed by•

Company:	Covanta Niagara I, LLC
Address:	100 Energy Blvd
City, State, Zip:	Niagara Falls, NY 14304
Contact Name:	Brian Redanz
Telephone:	(716) 278-8518

x

Witness Signature

4.2.20
Date

For further assistance please contact your Customer Representative: Lisa Talley (800) 950-8749

Note Some or all of the information contained in this document constitutes trade secret information of the generator- broker or distributor named herein or confidential. proprietary customer subsidiaries or affiliates Disclosure of this information to any third parties without prior notice to all parties on this form, and an opportunity of those parties to request a hearing regarding said disclosure may be prohibited under applicable federal and state laws

WASTE MANIFEST

1 | 0 0 7 2

5. Generator's Name and Mailing Address
Niagara Mohawk Power Corporation (D.B.A National Grid) Att: Matt Foot
1125 Broadway
Albany NY 12204
Generator's Phone: 5 1 8 4 3 3 8 6 0 5

Generator's Site Address (if different than mailing address)
Niagara Mohawk Power Corporation (D.B.A National Grid)
Same
NY

6. Transporter 1 Company Name
NRC East Environmental Services, Inc.

U.S. EPA ID Number
M A C 3 0 0 0 8 8 3 9 9

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Covanta Niagara
100 Energy Blvd @ 56th Street
Niagara Falls NY 14304
Facility's Phone: 716 278-8509

U.S. EPA ID Number
N Y D 9 8 0 9 3 0 5 4 3

	9. Waste Shipping Name and Description	10. Containers No	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-RCRA NON-DOT REGULATED MATERIAL (Tank Solids)	0 0 1	DM	00300	P	NONE
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1) This Material Has Been Verified as Approval #13820 NYSDEC 16-017
EMERGENCY CONTACT #800-225-6750

NRC JOB# 148042

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: On Behalf National Grid: Aaron Hollenbeck
Signature
Month 3 Day 6 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Kurt Deonal
Signature
Month 3 Day 6 Year 20
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Kathy Steele
Signature
Month 4 Day 2 Year 20

DESIGNATED FACILITY TO GENERATOR

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