

January 19, 2023

Mr. Parag Amin
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7014

RE: National Grid Hill Street Site – Gloversville, NY
20 Hill Street, Gloversville, New York
Semi-Annual Operations, Maintenance, and Monitoring Report

Dear Mr. Amin:

Enclosed for your review is the Semi-Annual Operations, Maintenance, and Monitoring (OM&M) Report for the National Grid Hill Street in Gloversville, NY, for the period from July 1 to December 31, 2022.

Groundwater and Environmental Service, Inc., (GES) OM&M contractor for National Grid, conducts all long-term OM&M activities at the site. Weekly and monthly site inspections were conducted in 2022. The site is generally in good shape and in compliance.

If you have any questions, please feel free to contact me at 315.428.5652.

Very truly yours,



for SPS

Steven P. Stucker, C.P.G.
Lead Environmental Engineer
National Grid

Cc: Devin T. Shay – Groundwater and Environmental Services, Inc.

National Grid

2022 Semi-Annual OM&M Report



National Grid Hill Street
20 Hill Street, Gloversville, New York 12078

January 2023

Version 1





2022 Semi-Annual OM&M Report

National Grid Hill Street Site
20 Hill Street
Gloversville, NY 12078

Prepared for:
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Syracuse, NY 13202

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GES Project:
0603324.120780.221

Date:
January 19, 2023

A handwritten signature in black ink, appearing to read "D. Shay", is positioned above a horizontal line.

Devin T. Shay, PG
Program Manager / Principal Hydrogeologist



Table of Contents

1	Introduction	1
2	Groundwater Treatment System History and Description.....	1
2.1	Groundwater Treatment System History	1
2.2	Groundwater Treatment System Components.....	2
3	OM&M.....	3
3.1	Summary of Routine and Non-Routine Activities	3
3.2	Analytical Results	4
3.3	Operational Data	4
4	Future Activities	4

Figures

Figure 1 – Site Location Map

Figure 2 – Site Map

Figure 3 – Groundwater Treatment System Layout

Figure 4 – Groundwater System Piping and Instrumentation Diagram

Figure 5 – Process and Instrumentation Diagram Legend

Tables

Table 1 – Effluent Permit and Analytical Data 24-Hour Composite Sample

Table 2 – Effluent Permit and Analytical Data Grab Sample

Appendices

Appendix A – Monthly Inspection Forms

Appendix B – Weekly Inspection Forms

Appendix C – Treated Effluent Water Analytical Data

Appendix D – System Operational Data Summary

1 Introduction

This Semi-Annual Operation, Maintenance, and Monitoring (OM&M) Report for the National Grid Hill Street Site in Gloversville, NY (the Site), and presents the results of the activities conducted between July and December 2022. This report has been prepared in accordance with the *Operation, Maintenance, and Monitoring Manual* for the Storm Water Interim Remedial Measure, which was approved by the NYSDEC on April 21, 2011. A site location map and site map are presented as **Figure 1** and **Figure 2**, respectively.

A detailed discussion of the semi-annual monitoring activities and results is presented below.

2 Groundwater Treatment System History and Description

2.1 Groundwater Treatment System History

The Groundwater Treatment System construction was completed in April 2007. ARCADIS conducted start-up and operated the water treatment system from April 2007 through mid-August 2008. CDM OM&M personnel shadowed ARCADIS during a transitional period and took over the OM&M contractor role on August 16, 2008. CDM operated the water treatment system continuously from August 16, 2008 to August 31, 2016. GES assumed OM&M duties at the site on September 1, 2016 and has operated the water treatment system continuously since that date.

Groundwater and storm water is separated on-site. Storm water is collected and discharged via gravity directly to the storm water ditch and settling pond. Settled residue, which is minimal, consists mainly of silt washed from the parking areas and carried overland during storm events. The residue was last removed in 2015 and was sampled and disposed of as non-hazardous material. The outfall from the settling pond is not sampled and no permits are required for this discharge.

Groundwater is collected by the groundwater collection pipe network and flows under hydraulic head to two collection sumps (NMH-1 and NMH-6). Groundwater contaminated with MGP-related constituents is pumped from NMH-1 and NMH-6 into the Groundwater Treatment System.

Since installation of the remedial system and commencement of system OM&M, National Grid has made significant modifications to improve efficiencies and meet compliance requirements. The major modifications were conducted from January 2009 to November 2009 and included the following major elements:

- Replaced the Oil/Water Separator (OWS)
- Replaced the bag filter unit
- Added a backwash storage tank
- Replaced the chemical treatment system

As a result of these modifications, on-site labor has been reduced from 3 days per week to 1 day per week. Additionally, media change-out frequency has been reduced and increased influent

flows during rain storms can be better handled. Biofouling and iron fouling has been greatly reduced.

In January 2010, a new stainless steel bag filter unit was installed for the backwash tank at P-903. This unit filters any suspended solids that did not settle out prior to returning to the system. To combat Dense Non-Aqueous Phase Liquids (DNAPL) upsets and protect the system's primary media, a new bypass OrganoClay pressure vessel was installed in January 2012 between the OWS and bag filter unit. To address power outages to the water treatment system, an emergency natural gas-powered generator was installed in the spring of 2015 and field tested the week of June 1, 2015.

To improve system performance and ease OM&M procedures, upgrades to groundwater collection sump NMH-1 were completed in June 2018. GES worked with Abscope Environmental to upgrade NMH-1 to a proper size pump rail system with stainless steel piping. This upgrade included changes to the electrical conduits from the pump panel to the manhole containing NMH-1, replacement of the manhole lid and surrounding asphalt, installation of a new 1.25-inch rail system with stainless steel piping, and installation of two new pumps.

A new site computer with added security features was installed on June 14, 2018. This new computer is tied in to the PLC to maintain remote operation of the entire Groundwater Treatment System.

2.2 Groundwater Treatment System Components

- Sequestering agent and metering pump [part of 2009 modifications]. Biocide and metering pump [part of 2009 modifications]. Chemicals are added at NMH-1, NMH-6, and the OWS to reduce bio- and iron fouling within the system.
- A 2,200-gallon conical-bottomed influent settling tank (equalization (EQ) tank T-300). The EQ Tank provides buffering capacity for variable flows and time to allow solids to settle.
- An OWS (T-400) [part of 2009 modifications]. Plastic media with significant surface area is utilized to separate Light Non-Aqueous Phase Liquids (LNAPL) and DNAPL from the recovered water.
- A 1,850-gallon transfer tank (T-500). This tank receives water from OWS and serves as a storage tank for transfer pumps to send water through the bag filter unit and treatment vessels.
- Two transfer tank pumps (P-501 and P-502) pump water from T-500. These are equipped with variable frequency drives (VFDs) to accommodate variable flows through the system.
- An eight bag filter unit (BF-500) [part of 2009 modifications]. A single unit with eight bag filters built within is utilized to remove larger solid particles and oils from the pressurized water stream.
- Two 34-cubic-foot OrganoClay vessels (OC-601 and OC-602). Media within pressure vessels further filters solid particles and oils from the water stream.

- Two 68-cubic-foot granular activated carbon (GAC) vessels (C-701 and C-702). GAC is used to adsorb Volatile Organic Compounds (VOCs) such as Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) from the water stream.
- Two 34-cubic-foot anion resin vessels (AR-801 and AR-802). Granular resin media contained within the pressure vessels is used to adsorb Cyanide from the water stream.
- A 1,850-gallon effluent tank (T-900). The treated water storage effluent tank is used for backwashing the GAC and OrganoClay vessels. Remaining water from the effluent tank is pumped to the publicly owned treatment works (POTW) sewer.
- Two effluent tank pumps (P-901 and P-902). These pumps are utilized for backwashing the GAC and OrganoClay vessels as well as discharging treated water to the POTW sewer.
- A 3,600-gallon backwash storage tank (T-1000) [part of 2009 modifications]. This tank receives backwash waters from the vessels and allows solids to settle. Water is then returned to either T-300 or T-500. Solids are directly removed via vacuum truck during tank cleaning events. A single bag filter and single centrifugal pump assigned solely to the backwash storage tank returns filtered water back to the head of the system.
- An OrganoClay pressure vessel (OC-500) is in bypass mode during normal operations but can be manually valved into operation during a DNAPL upset condition. The purpose of the vessel is to serve as a sacrificial media vessel to protect the primary media and bag filter unit.
- Programmable Logic Controller (PLC). The system is automated and can be operated remotely.
- Generac 100kVa Emergency Generator (natural gas; 3-phase; 6.8 Liter V-10; 350 amp) is in stand-by mode and is tested weekly for 10 minutes.

The Groundwater Treatment System Piping and Equipment Layout is provided on **Figure 3**, the System Piping and Instrumentation Diagram (P&ID) is shown on **Figure 4**. The system abbreviations, legend, interlocks, and specifications are provided on **Figure 5**.

3 OM&M

3.1 Summary of Routine and Non-Routine Activities

GES conducted the following routine OM&M activities at the Site:

- Weekly groundwater treatment system inspections and monthly site inspections [monthly and weekly inspection sheets are included in **Appendix A** and **Appendix B**, respectively]. GES performs the weekly and monthly inspections under contract to National Grid;
- Weekly backwashing of the 6 media vessels;
- Weekly bag filter change-outs;

- Weekly documentation of system flows, pressures, media utilization;
- Coordination with National Grid facility personnel regarding regular chemical/material deliveries;
- Install the new mobile link on the Generator
- Snow removal around the treatment building, as needed;
- Weed trimming within the storm water rip-rap channel, as needed;
- Semi-annual system effluent sample;
- Semi-annual generator service.

3.2 Analytical Results

On September 21, 2022, GES conducted the semi-annual effluent water discharge monitoring event. The effluent water sample was submitted to Pace Analytical Services, LLC (Pace) for analysis. Pace delivered the analytical reports on October 6, and October 12, 2022. The analytical results indicated no exceedances of the Gloversville-Johnstown Wastewater Treatment Facility Discharge Permit #133 limits. Summary tables of the analytical results are presented as **Table 1** and **Table 2**. The analytical results are presented in **Appendix C**. There are currently no discharge submittals required for this site by the NYSDEC Division of Water, as the system discharge is permitted through the GJJWTF and their associated permits.

To date, there have been no exceedances of Discharge Permit #133 as part of the semi-annual effluent water discharge monitoring events.

3.3 Operational Data

For the period July through December 2022, the water treatment system treated and discharged approximately 8,175,000 gallons of water to the POTW sewer at an average flow of 26.93 gpm. No DNAPL or LNAPL was recovered during this operational period. If DNAPL or LNAPL is recovered during any operational period, sorbent materials are utilized to collect emulsified product from the oil/water separator. The oil/water separator is cleaned annually and the coalescing media is replaced. The spent coalescing media is sampled and disposed as non-hazardous waste.

Note that the system operates in continuous batch mode. Water is pumped from component to component within the system at a maximum instantaneous flow rate of 100 gpm. An operational data summary table for this period is presented in **Appendix D**.

To date, approximately 258 million gallons have been successfully treated and discharged without a permit exceedance.

4 Future Activities

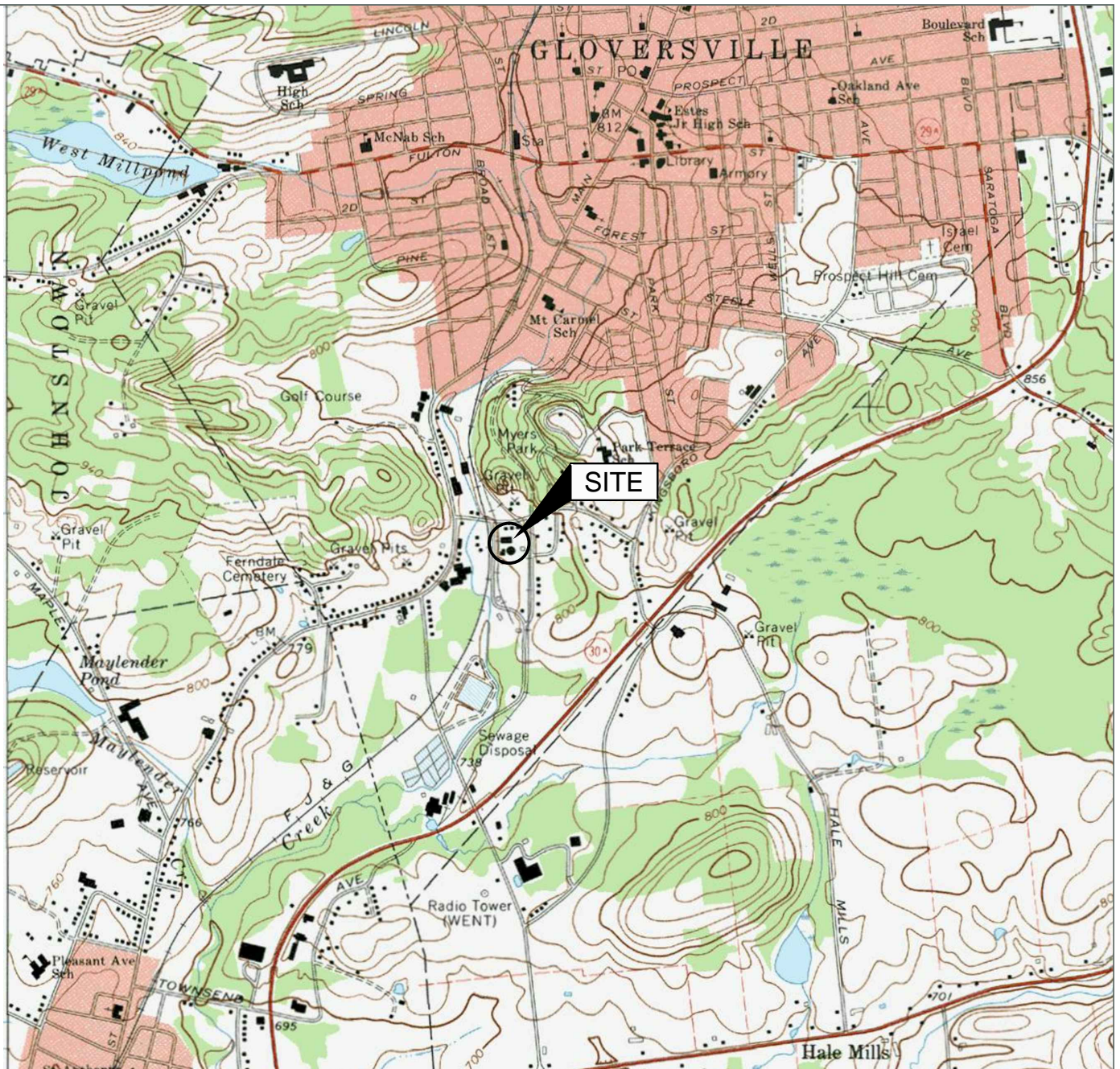
Below are OM&M activities planned for the next six months (January 2023 –June 2023):



- Conduct monthly site-wide inspections and weekly water treatment system inspections. Document the inspections.
- Operate the water treatment system in continuous batch mode. During normal operations, it is anticipated that 1 (one) on-site day per week will be required (to conduct OM&M activities such as bag filter change-outs and vessel/pump pressure checks). The system is monitored remotely on a continuous basis. If an unforeseen condition arises (i.e., NAPL upset condition), the OM&M staff will respond immediately and remedy the situation.
- Complete the annual groundwater treatment media changeout in March 2023.
- Conduct semi-annual operational sampling/analysis to evaluate treatment effectiveness.
- Conduct the semi-annual treated water discharge sampling event in March 2023.
- Rebuild the top of catch basin #7, pending the completion of the french drain project currently under design by Arcadis.
- Prepare a semi-annual OM&M report for January 1, 2023, through June 30, 2023, and submit to the NYSDEC and GJJWTF.



Figures



Source:
USGS 7.5 Minute Series
Topographic Quadrangle, 1970
Groversville, New York
Contour Interval = 20'



Site Location Map

National Grid
20 Hill Street
Groversville, New York

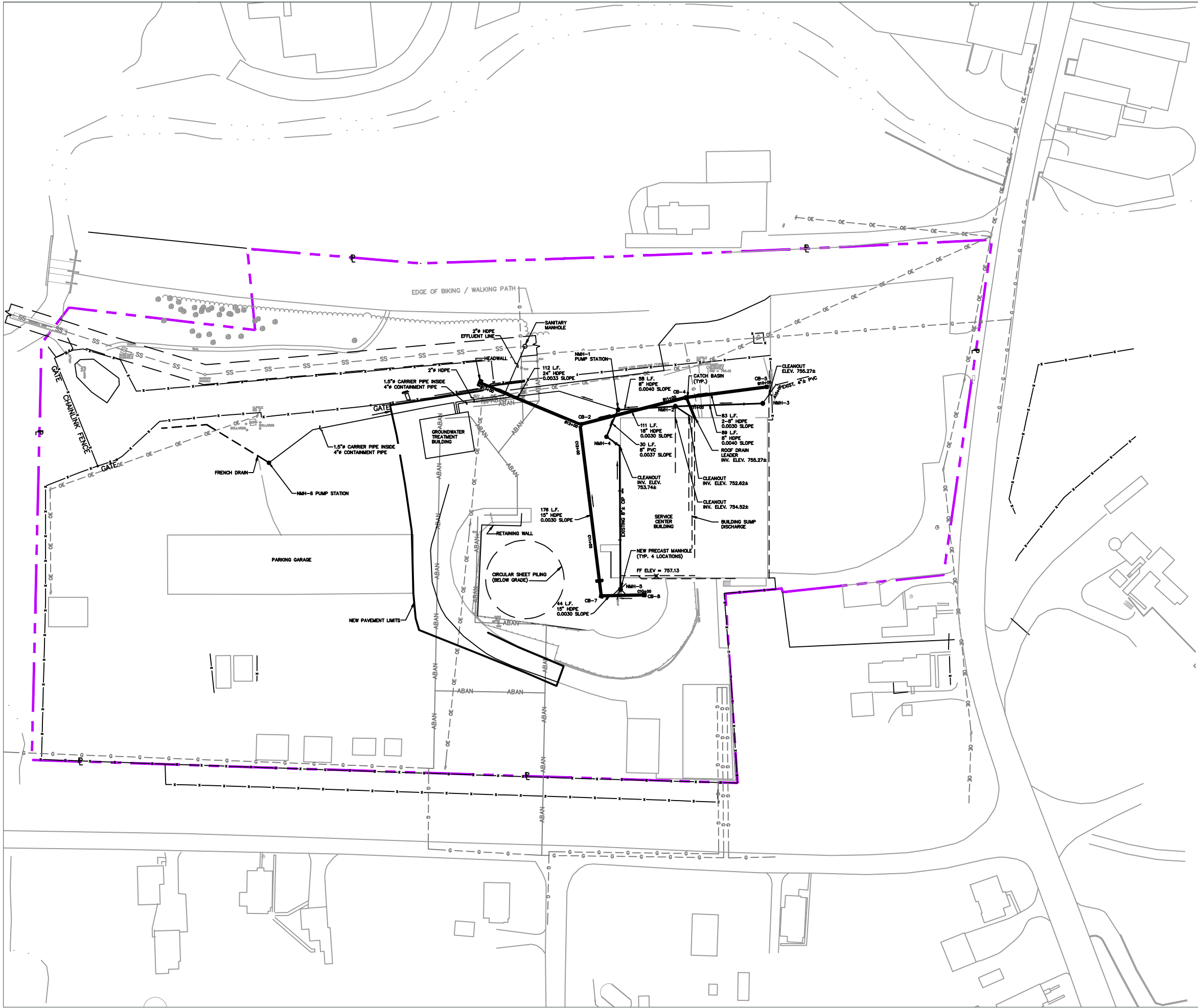
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W.G.S.
Designed
Approved



Scale In Feet



Date
1-22-18
Figure
1



LEGEND

- PROPERTY BOUNDARY
- CB-4 CATCH BASIN
- UTILITY MANHOLE
- NMH-3 GROUNDWATER MANHOLE
- SS UNDERGROUND SANITARY SEWER LINE
- G UNDERGROUND GAS LINE
- OE OVERHEAD ELECTRIC
- ABAN ABANDONED GAS LINE

Site Map

National Grid
20 Hill Street
Gloversville, New York

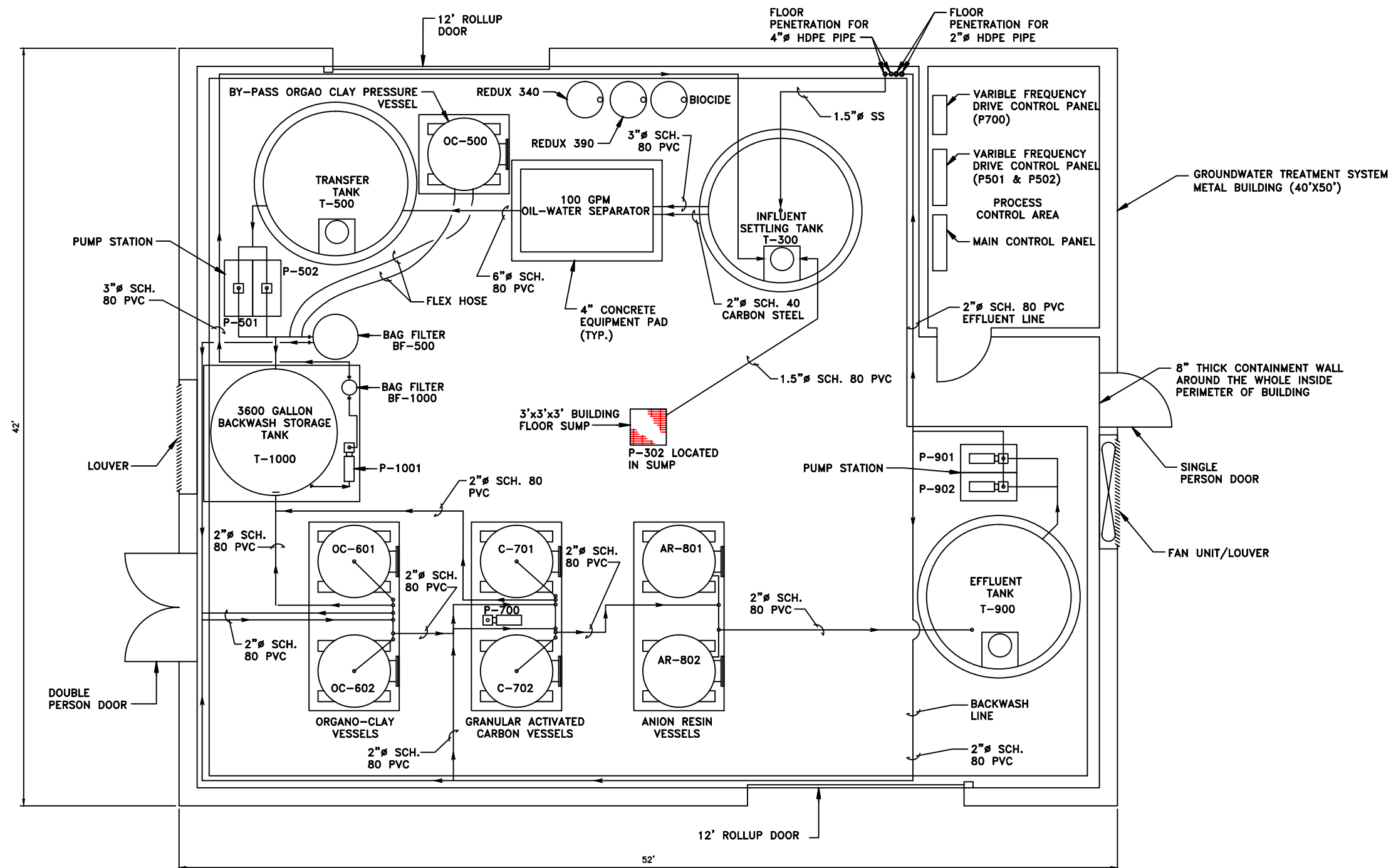
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Date
1-22-18
Figure
2

Scale In Feet
0 100





NOTE:
THIS FIGURE REPRESENTS THE AS-BUILT
CONDITIONS FOLLOWING THE SYSTEM
MODIFICATIONS AS DESCRIBED IN THE REPORT.

SOURCE:
ARCADIS STORM SEWER IRM,
RECORD DRAWING, DATED 2008
36652M02.DWG

Groundwater Treatment System Layout

National Grid
20 Hill Street
Gloversville, New York

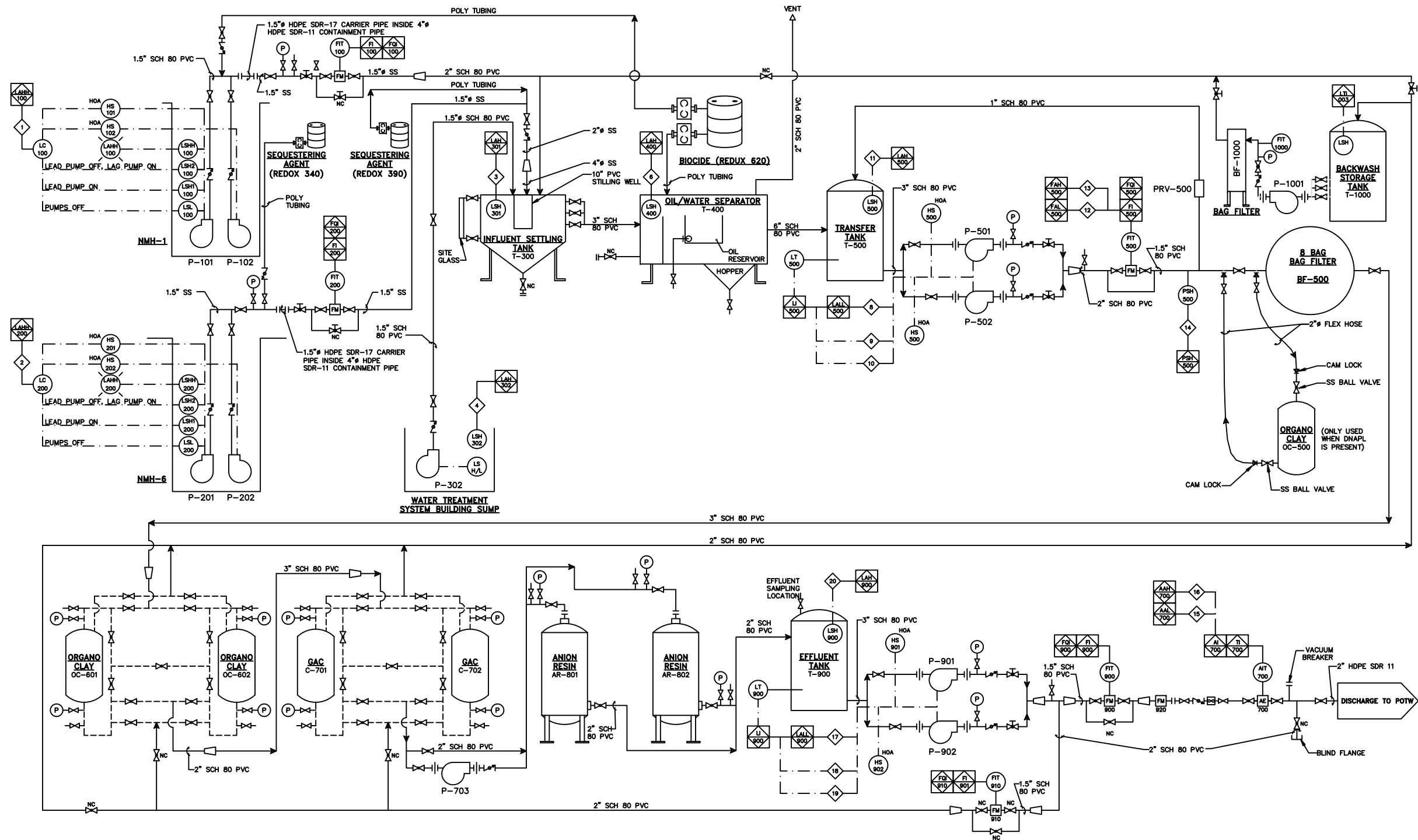
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Date
1-22-18
Figure
3

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Groundwater System
Piping and Instrumentation Diagram

National Grid
20 Hill Street
Gloversville, New York

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Designed
Approved

Date
05/14/19
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MAJOR EQUIPMENT AND INSTRUMENTATION SPECIFICATIONS:

MANHOLE NMH-1 PUMPS (P-101 AND P-102)
QUANTITY: 2
MANUFACTURER: HYDROMATIC
MODEL: HPGHH 750 3/8-2
FLOW RATE: 75 GPM AT 172 FEET OF TOTAL DYNAMIC HEAD (TDH) (EACH)
MOTOR: 7.5 HORSEPOWER (HP), 208 VOLT (V), 3-PHASE (P)
MATERIALS OF CONSTRUCTION: CAST IRON MOTOR HOUSING WITH SEMI-OPEN 5-VANE BRASS IMPELLER

MANHOLE NMH-6 PUMPS (P-201 AND P-202)
QUANTITY: 2
MANUFACTURER: STANCOR
MODEL: SV-200
FLOW RATE: 20 GPM AT 53 FEET OF TDH (EACH)
MOTOR: 2 HP, 208 V, 3-P
MATERIALS OF CONSTRUCTION: STAINLESS STEEL MOTOR HOUSING WITH VORTEX NON-CLOG IMPELLER

FLOW METER (FM-100, FM-200, FM-500, FM-900, AND FM-910)
QUANTITY: 5
MANUFACTURER: ROSEMOUNT
TYPE: MAGNETIC
MODEL: 8711TSA015R1NOG1
SCALE: 0.4 TO 30 FT/S (4-20 MA)

INFLUENT SETTLING TANK (T-300)
QUANTITY: 1
MANUFACTURER: ASSMANN CORPORATION OF AMERICA
MODEL: ICB 2200
TYPE: CONED-BOTTOM, DOMED TOP
DIMENSIONS: 96 INCH DIAMETER X 119 INCH HIGH
CAPACITY: 2,200 GALLONS NOMINAL
MATERIAL OF CONSTRUCTION: HIGH DENSITY CROSS-LINKED POLYETHYLENE

BUILDING SUMP PUMP (P-302)

QUANTITY: 1
MANUFACTURER: HYDROMATIC
MODEL: OSP50BRA1
FLOW RATE: 30 GPM @ 20 FEET OF TDH
MOTOR: ½ HP, 115 V, 1 P
MATERIALS OF CONSTRUCTION: CAST IRON

HIGH LEVEL SWITCHES (LSH-301, LSH-302, LSH-400, LSH-500, AND LSH900)
QUANTITY: 7
MANUFACTURER: K-TEK
TYPE: VIBRATING FORK
MODEL: RS85/A1/P7/S6/X/2//T/33/8?

OIL/WATER SEPARATOR (T-400)

QUANTITY: 1
MANUFACTURER: HYDRO QUIP, INC.
MODEL: AG-4SS-HP-1H-IP
FLOW RATE: 150 GPM
MATERIALS OF CONSTRUCTION: STAINLESS STEEL

TRANSFER TANK (T-500) AND BACKWASH WATER STORAGE TANK (T-900)

QUANTITY: 2
MANUFACTURER: ASSMANN CORPORATION OF AMERICA
MODEL: ICT 1850
TYPE: FLAT-BOTTOM, DOMED TOP
DIMENSIONS: 96 INCH DIAMETER X 78 INCHES HIGH
CAPACITY: 1,850 GALLONS NOMINAL
MATERIAL OF CONSTRUCTION: HIGH-DENSITY CROSS-LINKED POLYETHYLENE

OIL/WATER SEPARATOR EFFLUENT TANK PUMPS (P-501 AND P-502)

QUANTITY: 2
MANUFACTURER: GRUNDFOS
MODEL: CR15-3
FLOW RATE: 70 GPM @ 170 FEET OF TDH (EACH)
MOTOR: 5 HP, 208 V, 3P
MATERIAL OF CONSTRUCTION: STAINLESS STEEL

TRANSFER TANK LEVEL TRANSMITTER (LT-500) & (LT-1000) BACKWASH WATER STORAGE TANK LEVEL TRANSMITTER (LT-900)

QUANTITY: 3
MANUFACTURER: PULSAR
TYPE: ULTRASONIC
MODEL: IMP-6

BYPASS ORGANO CLAY FILTRATION VESSEL (OC-500)*

QUANTITY: 1
MANUFACTURER: USFILTER WESTATES
MODEL: USFILTER WESTATES PV-2000
FLOW RATE: 75 GPM @ 75 PSI MAXIMUM
MEDIA CAPACITY: 68 CUBIC-Feet
MATERIAL OF CONSTRUCTION: EPOXY-COATED CARBON STEEL

*UTILIZED ONLY WHEN DNAPL IS VISUAL IN OWS

VARIABLE FREQUENCY DRIVE (V-700)

QUANTITY: 1
MANUFACTURER: SQUARE D

VARIABLE FREQUENCY DRIVES (V-501 AND V-502)

QUANTITY: 2
MANUFACTURER: BENSHAW
MODEL: RSI-005-GX-2B
TYPE: CONSTANT TORQUE, 1 TO 5 HP, 230 V

PRESSURE SWITCH (PSH-500)

QUANTITY: 1
MANUFACTURER: TURCK
SCALE: 0 - 100 PSI
MODEL: PT100PSIG-13-L13-H1131

PRESSURE RELIEF VALVE (PRV-500)

QUANTITY: 1
MANUFACTURER: PLAST-O-MATIC
TYPE: SPRING
MODEL: RVT100EP-PV
SIZE: 1 INCH
MATERIAL: PVC

BAG FILTERS (BF-500)

QUANTITY: 8 BAG UNIT
MANUFACTURER:
MODEL:
CAPACITY: MAXIMUM FLOW RATE OF 125 GPM AN MAXIMUM WORKING PRESSURE OF 150 PSI AT 73' F

BAG SIZE: NO. 2 BAGS
MATERIALS OF CONSTRUCTION: STAINLESS STEEL

ORGANOCLAY FILTRATION VESSELS (OC-601 AND OC-602)

QUANTITY: 2
MANUFACTURER: USFILTER WESTATES,
MODEL: USFILTER WESTATES MODEL PV-1000
FLOW RATE: 50 GPM @ 75 PSI MAXIMUM (PER VESSEL)
MEDIA CAPACITY: 34 CUBIC-Feet
MATERIALS OF CONSTRUCTION: EPOXY-COATED CARBON STEEL

GRANULAR ACTIVATED CARBON VESSELS (C-701 AND C-702)

QUANTITY: 2
MANUFACTURER: USFILTER WESTATES
MODEL: USFILTER WESTATES MODEL PV-2000
FLOW RATE: 75 GPM @ 75 PSI MAXIMUM (PER VESSEL)
MEDIA CAPACITY: 68 CUBIC-FOOT
MATERIALS OF CONSTRUCTION: EPOXY-COATED CARBON STEEL

PH/TEMPERATURE ANALYZING TRANSMITTER (AIT-700)

QUANTITY: 1
MANUFACTURER: WALCHEM
MODEL: WDP301-42N
SENSOR: WDS-PHW

RESIN FILTRATION VESSELS (AR-801 AND AR-802)

QUANTITY: 2
MANUFACTURER: USFILTER WESTATES
MODEL: USFILTER WESTATES PV-1000
FLOW RATE: 75 GPM @ 75 PSI GAUGE MAXIMUM (PER VESSEL)
MEDIA CAPACITY: 34 CUBIC FEET
MATERIALS OF CONSTRUCTION: CARBON STEEL

BACKWASH WATER STORAGE TANK DISCHARGE PUMPS (P-901 AND P-902)

QUANTITY: 2
MANUFACTURER: GOULDS
MODEL: 7SH4G52B0
FLOW RATE: 70 GPM @ 50 FEET TDH
MOTOR: 2 HP, 208 V, 3P TEFC
MATERIALS OF CONSTRUCTION: STAINLESS STEEL

MECHANICAL FLOW METER (FM-920)

QUANTITY: 1
MANUFACTURER: ISTECH FLOW MEASUREMENT AND CONTROL
TYPE: MECHANICAL
SIZE: 2"
MODEL: 1750

CHEMICAL FEED PUMP

QUANTITY: 4
MANUFACTURER: LMI MILTON ROY
MODEL: LMI AA 941
FLOW RATE: 2 GALLONS PER HOUR (MAX)

SEQUESTERING AGENT

TYPE: REDUX390
MANUFACTURER: REDUX CHEM.

BIOCIDE

TYPE: BIOBROM C-105L
MANUFACTURER: CLEARON CORPORATION

BACKWASH STORAGE TANK T-1000

QUANTITY: 1
MANUFACTURER: CHEMTAINER
MODEL: TC36001A
CAPACITY: 3600 GALLONS
MATERIAL: LINEAR POLYETHYLENE

ABBREVIATIONS

AE pH ANALYZER ELEMENT
AI pH ANALYZER INDICATOR
AIT pH ANALYZER INDICATING TRANSMITTER
AR ANION EXCHANGE RESIN VESSELS
BF BAG FILTER
C GRANULAR ACTIVATED CARBON VESSELS
DWG DRAWING
FI FLOW INDICATOR
FIT FLOW INDICATING TRANSMITTER
FL FLANGE
FM FLOW METER
FOI TOTALIZED FLOW INDICATOR
GAC GRANULAR ACTIVATED CARBON
HDPE HIGH DENSITY POLYETHYLENE
HOA HAND-OFF-AUTO
HS HAND SWITCH
LAHH LEVEL ALARM HIGH-HIGH
LAL LEVEL ALARM HIGH
LALL LEVEL ALARM LOW
LC LEVEL CONTROLLER
LI LEVEL INDICATOR
LS LEVEL SWITCH
LSH LEVEL SWITCH HIGH
LSHH LEVEL SWITCH HIGH-HIGH
LSL LEVEL SWITCH LOW
LT LEVEL TRANSMITTER
MH MANHOLE
NC NORMALLY CLOSED
NMH NEW MANHOLE
OC ORGANO CLAY VESSELS
POTW PUBLICLY OWNED TREATMENT WORKS
PSH PRESSURE SWITCH HIGH
PSI POUNDS PER SQUARE INCH
PVC POLYVINYL CHLORIDE PIPE
SCH SCHEDULE
SDR STANDARD DIMENSIONAL RATIO
T TANK
TI TEMPERATURE INDICATOR
TYP TYPICAL
Ø DIAMETER

LEGEND:

PROCESS PIPING
INSTRUMENT SIGNAL
SKID MOUNTED EQUIPMENT
SAMPLE TAP
GLOBE VALVE
CHECK VALVE
BALL VALVE
PRESSURE GAUGE
REDUCER
CAM LOCK
CENTRIFUGAL PUMP
POSITIVE DISPLACEMENT PUMP
LOCAL FIELD MOUNT
MAIN PLC CONTROLLER
MAIN PLC INTERLOCK

MAIN PLC INTERLOCKS:

- 1 HIGH LEVEL ALARM (LAHH-100) AT MANHOLE (NMH-1), SEND ALARM TO MAIN PLC. MAIN PLC TO SIGNAL AUTODIALER.
- 2 HIGH LEVEL ALARM (LAHH-200) AT MANHOLE (NMH-2), SEND ALARM TO MAIN PLC. MAIN PLC TO SIGNAL AUTODIALER.
- 3 HIGH LEVEL ALARM (LAH-301) AT T-300, TURN OFF PUMPS P-101, P-102, P-201, P-202, AND P-302, AND SIGNAL AUTODIALER.
- 4 HIGH LEVEL ALARM (LAH-302) AT BUILDING SUMP, SIGNAL AUTODIALER.
- 6 HIGH LEVEL ALARM (LAH-400) AT T-400, TURN OFF PUMPS P-101, P-102, P-201, P-202, AND P-302, AND SIGNAL AUTODIALER.
- 8 LOW LEVEL ALARM (LALL-500) AT T-500, TURN OFF PUMPS P-501 AND P-502 AND SIGNAL AUTODIALER.
- 9 LOW LEVEL SETPOINT (LT-500) AT T-500, TURN OFF PUMPS P-501 AND P-502.
- 10 HIGH LEVEL SETPOINT (LT-500) AT T-500, TURN ON SELECTED LEAD PUMP P-501 OR P-502.
- 11 HIGH LEVEL ALARM (LAH-500) AT T-500, TURN OFF PUMPS P-101, P-102, P-201, P-202, AND P-302, AND SIGNAL AUTO DIALER.
- 12 LOW FLOW ALARM (FAL-500) AT T-500 EFFLUENT LINE, TURN OFF PUMPS P-501 AND P-502 AND SIGNAL AUTODIALER.
- 13 HIGH FLOW ALARM (FAH-500) AT T-500 EFFLUENT LINE, TURN OFF PUMPS P-501 AND P-502 AND SIGNAL AUTODIALER.
- 14 HIGH LINE PRESSURE ALARM (PAH-500) AT T-500 EFFLUENT LINE, SIGNAL AUTODIALER.
- 15 PH ALARM LOW (AAL-700) AT GAC EFFLUENT LINE, SIGNAL AUTODIALER.
- 16 PH ALARM HIGH (AAH-700) AT GAC EFFLUENT LINE, SIGNAL AUTODIALER.
- 17 LOW LEVEL ALARM (LALL-900) AT T-900, TURN OFF PUMPS P-901 AND P-902 AND SIGNAL AUTODIALER.
- 18 LOW LEVEL SETPOINT (LT-900) AT T-900, TURN OFF PUMPS P-901 AND P-902.
- 19 HIGH LEVEL SETPOINT (LT-900) AT T-900, TURN ON SELECTED LEAD PUMP P-901 OR P-902.
- 20 HIGH LEVEL ALARM (LAH-900) AT T-900, TURN OFF PUMPS P-501 AND P-502, AND SIGNAL AUTODIALER.

Process and Instrumentation Diagram Legend

National Grid
20 Hill Street
Gloversville, New York

Drawn
W.G.S.
Designed

Approved

Date
1-30-18
Figure

5

Not to Scale



SOURCE:
ARCADIS STORM SEWER IRM, RECORD
DRAWING, DATED 2008
36652G13.DWG



Tables

Table 1

Effluent Permit and Analytical Data
24-Hour Composite Sample

Parameter	Maximum 24-Hour Pollutant Concentrations (mg/L)	Frequency Requirements	09/21/22
Antimony	1.50	Semi-Annual	ND (<0.060)
Arsenic	0.10	Semi-Annual	ND (<0.010)
Cadmium	0.03	Semi-Annual	ND (<0.0025)
Chromium, Total	10.00	Semi-Annual	ND (<0.010)
Chromium, Hexavalent	0.15	Semi-Annual	ND (<0.010)
Copper	0.20	Semi-Annual	ND (<0.025)
Lead	0.12	Semi-Annual	ND (<0.0050)
Mercury	0.03	Semi-Annual	ND (<0.020)
Nickel	0.50	Semi-Annual	ND (<0.040)
Selenium	0.03	Semi-Annual	ND (<0.010)
Silver	0.04	Semi-Annual	ND (<0.010)
Thallium	0.06	Semi-Annual	ND (<0.010)
Zinc	0.65	Semi-Annual	ND (<0.020)
Naphthalene	0.30	Semi-Annual	ND (<0.0025)
Aldrin	0.00005	Semi-Annual	ND (<0.000024)
BHC, Isomers (sum)	0.0002	Semi-Annual	ND (<0.000024)
Total Chlorinated Phenols	0.01	Semi-Annual	ND (<0.00098)
Pentachlorophenol	0.01	Semi-Annual	ND (<0.0025)

mg/L = milligrams per Liter



Table 2

Effluent Permit and Analytical Data
Grab Sample

Parameter	Peak Instantaneous Concentrations (mg/L)	Frequency Requirements	09/21/22
Benzene	0.014	Semi-Annual	ND (<0.0010)
Chloroform	0.41	Semi-Annual	ND (<0.0040)
Cyanide, Total	0.10	Semi-Annual	0.018
Ethylbenzene	1.00	Semi-Annual	ND (<0.0010)
1,1,2,2-Tetrachloroethane	0.04	Semi-Annual	ND (<0.0010)
Tetrachloroethylene	0.01	Semi-Annual	ND (<0.0010)
Toluene	1.38	Semi-Annual	ND (<0.0010)
Phenols (4AAP)	1.37	Semi-Annual	ND (<0.0025)
Oil & Grease	150	Semi-Annual	ND (<5.0)
Temperature, °F	150	Semi-Annual	NM
pH, SU	6-10	Semi-Annual	7.6

SU = Standard Units
°F = Degrees Fahrenheit
mg/L = milligrams per Liter
NM = Not Measured



Appendix A – Monthly Inspection Forms

National Grid
Gloversville, New York
Monthly Groundwater and Stormwater Conveyance System Inspection Checklist

Date: 07/06/2022

Time: 1100

Technician: KL

Weather: cloudy 77

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired 6/4/2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired 7/21/2020 Asphalt starting to deteriorate around grate
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Some epoxy missing around pipes
CB-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-7 catchbasin in good condition?	Yes	No	Grouttech repaired 12/16/2015. Abscope repaired asphalt 7/21/2020. Epoxy starting to peel at top
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	repaired gate 6/22/2020
Drainage Ditch Headwall in good condition?	Yes	No	Removed sediment and installed new riprap 6/22/2020
Standing water in drainage ditch?	Yes	No	20' mid way along trench, stone pushed out by heavy flow
Exposed or damaged GCL in drainage ditch?	Yes	No	
Vegetative growth in drainage ditch?	Yes	No	
Channeling to drainage ditch?	Yes	No	Areas re-graded and new rip rap installed 10/27/2015
Security fence secure to detention pond?	Yes	No	
Odor or sheen in stormwater?	Yes	No	
HDPE liner and anchors in good condition?	Yes	No	Geotextile fabric replaced 10/27/2015
Concrete pavers in good condition?	Yes	No	
Basin outflow pipe flowing	Yes	No	debris? None
Signs of detention pond basin overflowing?	Yes	No	

Stormwater conveyance system lines and catch basins cleaned May 18, 2022.

**National Grid
Gloversville, New York
Monthly Groundwater and Stormwater Conveyance System Inspection Checklist**

Date: 08/02/2022

Time: 0930

Technician: KL

Weather: Sunny 75

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired 6/4/2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired 7/21/2020 Asphalt starting to deteriorate around grate
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Some epoxy missing around pipes
CB-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-7 catchbasin in good condition?	Yes	No	Grouttech repaired 12/16/2015. Abscope repaired asphalt 7/21/2020. Epoxy starting to peel at top
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	repaired gate 6/22/2020
Drainage Ditch Headwall in good condition?	Yes	No	Removed sediment and installed new riprap 6/22/2020
Standing water in drainage ditch?	Yes	No	20' mid way along trench, stone pushed out by heavy flow
Exposed or damaged GCL in drainage ditch?	Yes	No	
Vegetative growth in drainage ditch?	Yes	No	
Channeling to drainage ditch?	Yes	No	Areas re-graded and new rip rap installed 10/27/2015
Security fence secure to detention pond?	Yes	No	
Odor or sheen in stormwater?	Yes	No	
HDPE liner and anchors in good condition?	Yes	No	Geotextile fabric replaced 10/27/2015
Concrete pavers in good condition?	Yes	No	
Basin outflow pipe flowing	Yes	No	debris? None
Signs of detention pond basin overflowing?	Yes	No	

Stormwater conveyance system lines and catch basins cleaned May 18, 2022.

National Grid
Gloversville, New York
Monthly Groundwater and Stormwater Conveyance System Inspection Checklist

Date: 09/07/2022

Time: 1200

Technician: KL

Weather: cloudy 66

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired 6/4/2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired 7/21/2020 Asphalt starting to deteriorate around grate
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Some epoxy missing around pipes
CB-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-7 catchbasin in good condition?	Yes	No	Grouttech repaired 12/16/2015. Abscope repaired asphalt 7/21/2020. Epoxy starting to peel at top
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	repaired gate 6/22/2020
Drainage Ditch Headwall in good condition?	Yes	No	Removed sediment and installed new riprap 6/22/2020
Standing water in drainage ditch?	Yes	No	20' mid way along trench, stone pushed out by heavy flow
Exposed or damaged GCL in drainage ditch?	Yes	No	
Vegetative growth in drainage ditch?	Yes	No	
Channeling to drainage ditch?	Yes	No	Areas re-graded and new rip rap installed 10/27/2015
Security fence secure to detention pond?	Yes	No	
Odor or sheen in stormwater?	Yes	No	
HDPE liner and anchors in good condition?	Yes	No	Geotextile fabric replaced 10/27/2015
Concrete pavers in good condition?	Yes	No	
Basin outflow pipe flowing	Yes	No	debris? None
Signs of detention pond basin overflowing?	Yes	No	

Stormwater conveyance system lines and catch basins cleaned May 18, 2022.

National Grid
Gloversville, New York
Monthly Groundwater and Stormwater Conveyance System Inspection Checklist

Date: 10/05/2022

Time: 1000

Technician: KL

Weather: PC 52

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired 6/4/2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired 7/21/2020 Asphalt starting to deteriorate around grate
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Some epoxy missing around pipes
CB-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-7 catchbasin in good condition?	Yes	No	Grouttech repaired 12/16/2015. Abscope repaired asphalt 7/21/2020. Epoxy starting to peel at top
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	repaired gate 6/22/2020
Drainage Ditch Headwall in good condition?	Yes	No	Removed sediment and installed new riprap 6/22/2020
Standing water in drainage ditch?	Yes	No	20' mid way along trench, stone pushed out by heavy flow
Exposed or damaged GCL in drainage ditch?	Yes	No	
Vegetative growth in drainage ditch?	Yes	No	
Channeling to drainage ditch?	Yes	No	Areas re-graded and new rip rap installed 10/27/2015
Security fence secure to detention pond?	Yes	No	
Odor or sheen in stormwater?	Yes	No	
HDPE liner and anchors in good condition?	Yes	No	Geotextile fabric replaced 10/27/2015
Concrete pavers in good condition?	Yes	No	
Basin outflow pipe flowing	Yes	No	debris? None
Signs of detention pond basin overflowing?	Yes	No	

Stormwater conveyance system lines and catch basins cleaned May 18, 2022.

National Grid
Gloversville, New York
Monthly Groundwater and Stormwater Conveyance System Inspection Checklist

Date: 11/01/2022

Time: 1000

Technician: KL

Weather: PC 52

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired 6/4/2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired 7/21/2020 Asphalt starting to deteriorate around grate
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Some epoxy missing around pipes
CB-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-7 catchbasin in good condition?	Yes	No	Grouttech repaired 12/16/2015. Abscope repaired asphalt 7/21/2020. Epoxy starting to peel at top
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	repaired gate 6/22/2020
Drainage Ditch Headwall in good condition?	Yes	No	Removed sediment and installed new riprap 6/22/2020
Standing water in drainage ditch?	Yes	No	20' mid way along trench, stone pushed out by heavy flow
Exposed or damaged GCL in drainage ditch?	Yes	No	
Vegetative growth in drainage ditch?	Yes	No	
Channeling to drainage ditch?	Yes	No	Areas re-graded and new rip rap installed 10/27/2015
Security fence secure to detention pond?	Yes	No	
Odor or sheen in stormwater?	Yes	No	
HDPE liner and anchors in good condition?	Yes	No	Geotextile fabric replaced 10/27/2015
Concrete pavers in good condition?	Yes	No	
Basin outflow pipe flowing	Yes	No	debris? None
Signs of detention pond basin overflowing?	Yes	No	

Stormwater conveyance system lines and catch basins cleaned May 18, 2022.

National Grid
Gloversville, New York
Monthly Groundwater and Stormwater Conveyance System Inspection Checklist

Date: 12/06/2022

Time: 0930

Technician: KL

Weather: Cloudy 39

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired 6/4/2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired 7/21/2020 Asphalt starting to deteriorate around grate
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Some epoxy missing around pipes
CB-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-7 catchbasin in good condition?	Yes	No	Grouttech repaired 12/16/2015. Abscope repaired asphalt 7/21/2020. Epoxy starting to peel at top
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	repaired gate 6/22/2020
Drainage Ditch Headwall in good condition?	Yes	No	Removed sediment and installed new riprap 6/22/2020
Standing water in drainage ditch?	Yes	No	20' mid way along trench, stone pushed out by heavy flow
Exposed or damaged GCL in drainage ditch?	Yes	No	
Vegetative growth in drainage ditch?	Yes	No	
Channeling to drainage ditch?	Yes	No	Areas re-graded and new rip rap installed 10/27/2015
Security fence secure to detention pond?	Yes	No	
Odor or sheen in stormwater?	Yes	No	
HDPE liner and anchors in good condition?	Yes	No	Geotextile fabric replaced 10/27/2015
Concrete pavers in good condition?	Yes	No	
Basin outflow pipe flowing	Yes	No	debris? None
Signs of detention pond basin overflowing?	Yes	No	

Stormwater conveyance system lines and catch basins cleaned May 18, 2022.



Appendix B – Weekly Inspection Forms

Date: 12/28/2022

National Grid
Gloversville, New York

Technician: KL

Time: 1000

Weather: Cloudy 28

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	5			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	80		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 12/20/2022

National Grid
Gloversville, New York

Technician: KL

Time: 1230

Weather: Sunny 27

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	5			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	88		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 12/14/2022

National Grid
Gloversville, New York

Technician: KL

Time: 1330

Weather: Sunny 28

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	6			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	96		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 12/06/2022

National Grid
Gloversville, New York

Technician: KL

Time: 1300

Weather: Cloudy 35

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	6			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	104		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 11/29/2022

National Grid
Gloversville, New York

Technician: KL

Time: 1300

Weather: Cloudy 35

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	7			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	112		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 11/22/2022

National Grid
Gloversville, New York

Technician: KL

Time: 1200

Weather: Cloudy 39

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	7			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	120		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 11/15/2022

National Grid
Gloversville, New York

Technician: TB

Time: 1300

Weather: Cloudy 37

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	7			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	128		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 11/09/2022

National Grid
Gloversville, New York

Technician: KL

Time: 1100

Weather: sunny 46

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	8			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	5			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	136		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 11/01/2022

Time: 0830

National Grid
Gloversville, New York

Technician: KL

Weather: sunny 46

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	8			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	6			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	144		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 10/25/2022

National Grid
Gloversville, New York

Technician: KL

Time: 0830

Weather: sunny 46

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	9			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	6			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	152		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 10/18/2022

National Grid
Gloversville, New York

Technician: KL

Time: 0830

Weather: sunny 46

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	9			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	6			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	40		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 10/11/2022

National Grid
Gloversville, New York

Technician: KL

Time: 1100

Weather: sunny 46

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	2			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	48		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 10/05/2022

National Grid
Gloversville, New YorkTechnician: KL
Weather: PC 54

Time: 1000

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	2			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	56		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 9/27/2022

National Grid
Gloversville, New York

Technician: KL

Time: 0930

Weather: cloudy 68

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	2			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	64		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 9/20/2022

National Grid
Gloversville, New York

Technician: KL

Time: 0930

Weather: rain 68

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	3			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	72		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 9/13/2022

National Grid
Gloversville, New York

Technician: KL

Time: 1200

Weather: Cloudy 66

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	3			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	80		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 9/7/2022

National Grid
Gloversville, New York

Technician: KL

Time: 1200

Weather: Cloudy 66

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	4			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	88		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 8/30/2022

National Grid
Gloversville, New York

Technician: TB

Time: 830

Weather: Sunny 84

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	4			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	96		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 8/24/2022

National Grid
Gloversville, New York

Technician: TB

Time: 1200

Weather: Cloudy 85

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	4			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	104		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 8/16/2022

National Grid
Gloversville, New York

Technician:KL

Weather: Sunny 70

Time: 1200

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	5			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	112		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 8/09/2022

National Grid
Gloversville, New York

Technician:KL

Time: 1200

Weather: Sunny 77

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	5			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	120		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 8/02/2022

National Grid
Gloversville, New York

Technician:KL

Weather: Sunny 75

Time: 1245

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	6			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	128		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 7/26/2022

National Grid
Gloversville, New York

Technician:KL

Time: 1245

Weather: Sunny 75

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	6			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	136		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 7/19/2022

National Grid
Gloversville, New York

Technician:KL

Weather: Sunny 82

Time: 1115

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	7			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	144		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 7/11/2022

National Grid
Gloversville, New York

Technician: TB

Time: 1430

Weather: Sunny 90

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	0			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	0			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	1			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	152		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 7/06/2022

National Grid
Gloversville, New York

Technician: KL

Time: 1130

Weather: cloudy77

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	0			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	0			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	1			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2022 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/17/2022 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2022	
Clean OWS media?	Yes	No	New Media 5/17/2022	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	160		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/09/2022
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/08/2022
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2022 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	90	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2022 Sun	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	



Appendix C – Treated Effluent Water Analytical Data

October 06, 2022

Mr. Devin Shay
Groundwater & Environmental Services -
Syracuse
6780 Northern Boulevard
Suite 100
East Syracuse, NY 13057

RE: Project: National Grid - Gloversville
Pace Project No.: 30524035

Dear Mr. Shay:

Enclosed are the analytical results for sample(s) received by the laboratory on September 22, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Long Island
- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



David A. Pichette
david.pichette@pacelabs.com
(724)850-5617
Project Manager

Enclosures

cc: Tim Beaumont, Groundwater & Environmental Services,
Inc.
NE Region GES, Groundwater & Environmental Services,
Inc.
Bonnie Janowiak, Groundwater & Environmental Services,
Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: National Grid - Gloversville

Pace Project No.: 30524035

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 04222CA

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

Delaware Certification

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Florida: Cert E871149 SEKS WET

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas/TNI Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA180012

Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: 2017020

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572018-1

New Hampshire/TNI Certification #: 297617

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-010

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: 02867

Texas/TNI Certification #: T104704188-17-3

Utah/TNI Certification #: PA014572017-9

USDA Soil Permit #: P330-17-00091

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

Wyoming Certification #: 8TMS-L

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: National Grid - Gloversville

Pace Project No.: 30524035

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30524035001	System Effluent Composite	Water	09/21/22 12:00	09/22/22 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: National Grid - Gloversville

Pace Project No.: 30524035

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30524035001	System Effluent Composite	EPA 608.3 Dec 2016	TAW	7	PASI-PA
		EPA 200.7	JWT	22	PASI-MV
		EPA 245.1	JP2	1	PASI-MV
		EPA 625.1 Dec 2016	EAC	12	PASI-PA
		SM 3500-CrB-2011	PAS	1	PASI-PA

PASI-MV = Pace Analytical Services - Long Island

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30524035

Method: EPA 608.3 Dec 2016

Description: 608.3 Pesticides Reduced Vol.

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 06, 2022

General Information:

1 sample was analyzed for EPA 608.3 Dec 2016 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 608.3 Dec 2016 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30524035

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 06, 2022

General Information:

1 sample was analyzed for EPA 200.7 by Pace Analytical Services Long Island. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 276445

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70230474001, 70230507001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1397058)
 - Calcium
 - Magnesium
 - Potassium
 - Sodium

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30524035

Method: EPA 245.1

Description: 245.1 Mercury

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 06, 2022

General Information:

1 sample was analyzed for EPA 245.1 by Pace Analytical Services Long Island. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30524035

Method: EPA 625.1 Dec 2016

Description: 625.1 Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 06, 2022

General Information:

1 sample was analyzed for EPA 625.1 Dec 2016 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 625.1 Dec 2016 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30524035

Method: SM 3500-CrB-2011

Description: Chromium, Hexavalent

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 06, 2022

General Information:

1 sample was analyzed for SM 3500-CrB-2011 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Batch Comments:

- Due to limited volume for MS/MSD, LCSD was analyzed
- QC Batch: 534696

Analyte Comments:

QC Batch: 534696

- 1c: Due to limited volume for MS/MSD, LCSD was analyzed
- BLANK (Lab ID: 2594558)
 - Chromium, Hexavalent
 - LCS (Lab ID: 2594559)
 - Chromium, Hexavalent
 - LCSD (Lab ID: 2594560)
 - Chromium, Hexavalent
 - System Effluent Composite (Lab ID: 30524035001)
 - Chromium, Hexavalent

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid - Gloversville

Pace Project No.: 30524035

Sample: System Effluent Composite **Lab ID:** 30524035001 **Collected:** 09/21/22 12:00 **Received:** 09/22/22 09:30 **Matrix:** Water

Comments: • Hexavalent Chromium was not field filtered.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
608.3 Pesticides Reduced Vol. Analytical Method: EPA 608.3 Dec 2016 Preparation Method: EPA 608.3 Dec 2016 Pace Analytical Services - Greensburg									
Aldrin	ND	ug/L	0.024	0.0028	1	09/27/22 11:30	09/29/22 11:31	309-00-2	
alpha-BHC	ND	ug/L	0.024	0.0083	1	09/27/22 11:30	09/29/22 11:31	319-84-6	
beta-BHC	ND	ug/L	0.024	0.018	1	09/27/22 11:30	09/29/22 11:31	319-85-7	
delta-BHC	ND	ug/L	0.024	0.017	1	09/27/22 11:30	09/29/22 11:31	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.024	0.013	1	09/27/22 11:30	09/29/22 11:31	58-89-9	
Surrogates									
Tetrachloro-m-xylene (S)	68	%.	10-103		1	09/27/22 11:30	09/29/22 11:31	877-09-8	
Decachlorobiphenyl (S)	60	%.	10-114		1	09/27/22 11:30	09/29/22 11:31	2051-24-3	
200.7 Metals, Total Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Long Island									
Aluminum	ND	ug/L	200	31.5	1	10/05/22 12:18	10/06/22 13:32	7429-90-5	
Antimony	ND	ug/L	60.0	20.8	1	10/05/22 12:18	10/06/22 13:32	7440-36-0	
Arsenic	ND	ug/L	10.0	5.3	1	10/05/22 12:18	10/06/22 13:32	7440-38-2	
Barium	ND	ug/L	200	13.7	1	10/05/22 12:18	10/06/22 13:32	7440-39-3	
Beryllium	ND	ug/L	5.0	0.33	1	10/05/22 12:18	10/06/22 13:32	7440-41-7	
Cadmium	ND	ug/L	2.5	0.31	1	10/05/22 12:18	10/06/22 13:32	7440-43-9	
Calcium	98800	ug/L	200	61.7	1	10/05/22 12:18	10/06/22 13:32	7440-70-2	
Chromium	ND	ug/L	10.0	1.1	1	10/05/22 12:18	10/06/22 13:32	7440-47-3	
Cobalt	ND	ug/L	50.0	4.0	1	10/05/22 12:18	10/06/22 13:32	7440-48-4	
Copper	ND	ug/L	25.0	3.7	1	10/05/22 12:18	10/06/22 13:32	7440-50-8	
Iron	588	ug/L	100	19.9	1	10/05/22 12:18	10/06/22 13:32	7439-89-6	
Lead	ND	ug/L	5.0	2.2	1	10/05/22 12:18	10/06/22 13:32	7439-92-1	
Magnesium	17000	ug/L	200	16.2	1	10/05/22 12:18	10/06/22 13:32	7439-95-4	
Manganese	94.2	ug/L	10.0	2.9	1	10/05/22 12:18	10/06/22 13:32	7439-96-5	
Nickel	ND	ug/L	40.0	4.4	1	10/05/22 12:18	10/06/22 13:32	7440-02-0	
Potassium	ND	ug/L	5000	1020	1	10/05/22 12:18	10/06/22 13:32	7440-09-7	
Selenium	ND	ug/L	10.0	7.1	1	10/05/22 12:18	10/06/22 13:32	7782-49-2	
Silver	ND	ug/L	10.0	1.2	1	10/05/22 12:18	10/06/22 13:32	7440-22-4	
Sodium	225000	ug/L	5000	2340	1	10/05/22 12:18	10/06/22 13:32	7440-23-5	
Thallium	ND	ug/L	10.0	5.3	1	10/05/22 12:18	10/06/22 13:32	7440-28-0	
Vanadium	ND	ug/L	50.0	3.0	1	10/05/22 12:18	10/06/22 13:32	7440-62-2	
Zinc	ND	ug/L	20.0	8.6	1	10/05/22 12:18	10/06/22 13:32	7440-66-6	
245.1 Mercury Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Long Island									
Mercury	ND	ug/L	0.20	0.10	1	10/04/22 09:35	10/04/22 14:23	7439-97-6	
625.1 Reduced Volume Analytical Method: EPA 625.1 Dec 2016 Preparation Method: EPA 625.1 Dec 2016 Pace Analytical Services - Greensburg									
2,4,6-Trichlorophenol	ND	ug/L	0.98	0.58	1	09/23/22 09:11	09/26/22 21:35	88-06-2	
2,4-Dichlorophenol	ND	ug/L	0.98	0.60	1	09/23/22 09:11	09/26/22 21:35	120-83-2	
2-Chlorophenol	ND	ug/L	0.98	0.57	1	09/23/22 09:11	09/26/22 21:35	95-57-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid - Gloversville

Pace Project No.: 30524035

Sample: System Effluent Composite **Lab ID:** 30524035001 **Collected:** 09/21/22 12:00 **Received:** 09/22/22 09:30 **Matrix:** Water

Comments: • Hexavalent Chromium was not field filtered.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
625.1 Reduced Volume									
Analytical Method: EPA 625.1 Dec 2016 Preparation Method: EPA 625.1 Dec 2016									
Pace Analytical Services - Greensburg									
4-Chloro-3-methylphenol	ND	ug/L	0.98	0.62	1	09/23/22 09:11	09/26/22 21:35	59-50-7	
Naphthalene	ND	ug/L	2.5	0.65	1	09/23/22 09:11	09/26/22 21:35	91-20-3	
Pentachlorophenol	ND	ug/L	2.5	1.5	1	09/23/22 09:11	09/26/22 21:35	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	68	%.	10-175		1	09/23/22 09:11	09/26/22 21:35	4165-60-0	
2-Fluorobiphenyl (S)	79	%.	20-133		1	09/23/22 09:11	09/26/22 21:35	321-60-8	
Terphenyl-d14 (S)	96	%.	30-148		1	09/23/22 09:11	09/26/22 21:35	1718-51-0	
Phenol-d6 (S)	19	%.	10-63		1	09/23/22 09:11	09/26/22 21:35	13127-88-3	
2-Fluorophenol (S)	33	%.	10-95		1	09/23/22 09:11	09/26/22 21:35	367-12-4	
2,4,6-Tribromophenol (S)	99	%.	10-166		1	09/23/22 09:11	09/26/22 21:35	118-79-6	
Chromium, Hexavalent									
Analytical Method: SM 3500-CrB-2011									
Pace Analytical Services - Greensburg									
Chromium, Hexavalent	ND	mg/L	0.010	0.0054	1		09/22/22 11:48	18540-29-9	1c

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30524035

QC Batch:	276197	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
		Laboratory:	Pace Analytical Services - Long Island

Associated Lab Samples: 30524035001

METHOD BLANK: 1395185 Matrix: Water

Associated Lab Samples: 30524035001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.10	10/04/22 13:57	

LABORATORY CONTROL SAMPLE: 1395186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	0.98	98	85-115	

MATRIX SPIKE SAMPLE: 1395189

Parameter	Units	70231427001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	0.98	91	70-130	

MATRIX SPIKE SAMPLE: 1395202

Parameter	Units	70231160001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	0.64	1	1.6	94	70-130	

SAMPLE DUPLICATE: 1395190

Parameter	Units	70231427001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	<0.20	ND		20	

SAMPLE DUPLICATE: 1395203

Parameter	Units	70231160001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.64	0.66	4	20	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30524035

QC Batch:	276445	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
		Laboratory:	Pace Analytical Services - Long Island

Associated Lab Samples: 30524035001

METHOD BLANK: 1397055 Matrix: Water

Associated Lab Samples: 30524035001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	ug/L	ND	200	31.5	10/06/22 12:03	
Antimony	ug/L	ND	60.0	20.8	10/06/22 12:03	
Arsenic	ug/L	ND	10.0	5.3	10/06/22 12:03	
Barium	ug/L	ND	200	13.7	10/06/22 12:03	
Beryllium	ug/L	ND	5.0	0.33	10/06/22 12:03	
Cadmium	ug/L	ND	2.5	0.31	10/06/22 12:03	
Calcium	ug/L	ND	200	61.7	10/06/22 12:03	
Chromium	ug/L	ND	10.0	1.1	10/06/22 12:03	
Cobalt	ug/L	ND	50.0	4.0	10/06/22 12:03	
Copper	ug/L	ND	25.0	3.7	10/06/22 12:03	
Iron	ug/L	ND	100	19.9	10/06/22 12:03	
Lead	ug/L	ND	5.0	2.2	10/06/22 12:03	
Magnesium	ug/L	ND	200	16.2	10/06/22 12:03	
Manganese	ug/L	ND	10.0	2.9	10/06/22 12:03	
Nickel	ug/L	ND	40.0	4.4	10/06/22 12:03	
Potassium	ug/L	ND	5000	1020	10/06/22 12:03	
Selenium	ug/L	ND	10.0	7.1	10/06/22 12:03	
Silver	ug/L	ND	10.0	1.2	10/06/22 12:03	
Sodium	ug/L	ND	5000	2340	10/06/22 12:03	
Thallium	ug/L	ND	10.0	5.3	10/06/22 12:03	
Vanadium	ug/L	ND	50.0	3.0	10/06/22 12:03	
Zinc	ug/L	ND	20.0	8.6	10/06/22 12:03	

LABORATORY CONTROL SAMPLE: 1397056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	25000	25300	101	85-115	
Antimony	ug/L	1000	1000	100	85-115	
Arsenic	ug/L	500	501	100	85-115	
Barium	ug/L	500	510	102	85-115	
Beryllium	ug/L	500	508	102	85-115	
Cadmium	ug/L	500	529	106	85-115	
Calcium	ug/L	25000	25500	102	85-115	
Chromium	ug/L	500	506	101	85-115	
Cobalt	ug/L	500	515	103	85-115	
Copper	ug/L	500	496	99	85-115	
Iron	ug/L	12500	13000	104	85-115	
Lead	ug/L	500	510	102	85-115	
Magnesium	ug/L	25000	25700	103	85-115	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30524035

LABORATORY CONTROL SAMPLE: 1397056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Manganese	ug/L	500	522	104	85-115	
Nickel	ug/L	500	508	102	85-115	
Potassium	ug/L	25000	26400	106	85-115	
Selenium	ug/L	500	503	101	85-115	
Silver	ug/L	250	253	101	85-115	
Sodium	ug/L	25000	26500	106	85-115	
Thallium	ug/L	250	256	102	85-115	
Vanadium	ug/L	500	513	103	85-115	
Zinc	ug/L	500	533	107	85-115	

MATRIX SPIKE SAMPLE: 1397058

Parameter	Units	70230474001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	<200	12500	14200	113	70-130	
Antimony	ug/L	<60.0	1000	1100	110	70-130	
Arsenic	ug/L	<10.0	500	562	112	70-130	
Barium	ug/L	<200	500	704	110	70-130	
Beryllium	ug/L	<5.0	500	555	111	70-130	
Cadmium	ug/L	<2.5	500	561	112	70-130	
Calcium	ug/L	126000	12500	145000	152	70-130 M1	
Chromium	ug/L	<10.0	500	548	109	70-130	
Cobalt	ug/L	<50.0	500	550	110	70-130	
Copper	ug/L	35.8	500	570	107	70-130	
Iron	ug/L	<100	5000	5600	111	70-130	
Lead	ug/L	204	500	757	111	70-130	
Magnesium	ug/L	64900	12500	81900	136	70-130 M1	
Manganese	ug/L	<10.0	500	556	110	70-130	
Nickel	ug/L	<40.0	500	557	104	70-130	
Potassium	ug/L	19200	12500	38900	158	70-130 M1	
Selenium	ug/L	<10.0	500	560	112	70-130	
Silver	ug/L	<10.0	250	210	83	70-130	
Sodium	ug/L	675000	12500	714000	312	70-130 M1	
Thallium	ug/L	<10.0	250	263	103	70-130	
Vanadium	ug/L	<50.0	500	568	113	70-130	
Zinc	ug/L	1090	500	1690	120	70-130	

MATRIX SPIKE SAMPLE: 1397060

Parameter	Units	70230507001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	<200	12500	13800	110	70-130	
Antimony	ug/L	<60.0	1000	1070	106	70-130	
Arsenic	ug/L	<10.0	500	536	106	70-130	
Barium	ug/L	<200	500	581	109	70-130	
Beryllium	ug/L	<5.0	500	544	109	70-130	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30524035

MATRIX SPIKE SAMPLE: 1397060		70230507001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Cadmium	ug/L	<2.5	500	568	114	70-130	
Calcium	ug/L	6280	12500	20600	115	70-130	
Chromium	ug/L	<10.0	500	544	109	70-130	
Cobalt	ug/L	<50.0	500	554	111	70-130	
Copper	ug/L	<25.0	500	541	107	70-130	
Iron	ug/L	<100	5000	5590	111	70-130	
Lead	ug/L	<5.0	500	552	110	70-130	
Magnesium	ug/L	1120	12500	14900	110	70-130	
Manganese	ug/L	968	500	1510	108	70-130	
Nickel	ug/L	<40.0	500	535	106	70-130	
Potassium	ug/L	<5000	12500	15300	114	70-130	
Selenium	ug/L	<10.0	500	549	109	70-130	
Silver	ug/L	<10.0	250	197	78	70-130	
Sodium	ug/L	10800	12500	26600	126	70-130	
Thallium	ug/L	<10.0	250	275	110	70-130	
Vanadium	ug/L	<50.0	500	547	109	70-130	
Zinc	ug/L	<20.0	500	585	115	70-130	

SAMPLE DUPLICATE: 1397057

Parameter	Units	70230474001	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
Aluminum	ug/L	<200	ND		20	
Antimony	ug/L	<60.0	ND		20	
Arsenic	ug/L	<10.0	ND		20	
Barium	ug/L	<200	154J		20	
Beryllium	ug/L	<5.0	ND		20	
Cadmium	ug/L	<2.5	ND		20	
Calcium	ug/L	126000	128000	2	20	
Chromium	ug/L	<10.0	1.8J		20	
Cobalt	ug/L	<50.0	ND		20	
Copper	ug/L	35.8	35.1	2	20	
Iron	ug/L	<100	36.6J		20	
Lead	ug/L	204	208	2	20	
Magnesium	ug/L	64900	65600	1	20	
Manganese	ug/L	<10.0	5.9J		20	
Nickel	ug/L	<40.0	35.5J		20	
Potassium	ug/L	19200	18800	2	20	
Selenium	ug/L	<10.0	ND		20	
Silver	ug/L	<10.0	3J		20	
Sodium	ug/L	675000	678000	0	20	
Thallium	ug/L	<10.0	ND		20	
Vanadium	ug/L	<50.0	ND		20	
Zinc	ug/L	1090	1100	1	20	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30524035

SAMPLE DUPLICATE: 1397059

Parameter	Units	70230507001 Result	Dup Result	RPD	Max RPD	Qualifiers
Aluminum	ug/L	<200	ND		20	
Antimony	ug/L	<60.0	ND		20	
Arsenic	ug/L	<10.0	ND		20	
Barium	ug/L	<200	38.1J		20	
Beryllium	ug/L	<5.0	ND		20	
Cadmium	ug/L	<2.5	ND		20	
Calcium	ug/L	6280	6320	1	20	
Chromium	ug/L	<10.0	ND		20	
Cobalt	ug/L	<50.0	ND		20	
Copper	ug/L	<25.0	ND		20	
Iron	ug/L	<100	21.7J		20	
Lead	ug/L	<5.0	3.7J		20	
Magnesium	ug/L	1120	1130	1	20	
Manganese	ug/L	968	977	1	20	
Nickel	ug/L	<40.0	ND		20	
Potassium	ug/L	<5000	ND		20	
Selenium	ug/L	<10.0	ND		20	
Silver	ug/L	<10.0	1.4J		20	
Sodium	ug/L	10800	10600	2	20	
Thallium	ug/L	<10.0	ND		20	
Vanadium	ug/L	<50.0	ND		20	
Zinc	ug/L	<20.0	9.1J		20	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30524035

QC Batch: 535538	Analysis Method: EPA 608.3 Dec 2016
QC Batch Method: EPA 608.3 Dec 2016	Analysis Description: 608.3 GCS Pesticide RV
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30524035001

METHOD BLANK: 2598798 Matrix: Water
Associated Lab Samples: 30524035001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aldrin	ug/L	ND	0.025	0.0029	09/29/22 09:55	
alpha-BHC	ug/L	ND	0.025	0.0086	09/29/22 09:55	
beta-BHC	ug/L	ND	0.025	0.019	09/29/22 09:55	
delta-BHC	ug/L	ND	0.025	0.018	09/29/22 09:55	
gamma-BHC (Lindane)	ug/L	ND	0.025	0.014	09/29/22 09:55	
Decachlorobiphenyl (S)	%	62	10-114		09/29/22 09:55	
Tetrachloro-m-xylene (S)	%	67	10-103		09/29/22 09:55	

LABORATORY CONTROL SAMPLE: 2598799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aldrin	ug/L	0.2	0.15	75	54-130	
alpha-BHC	ug/L	0.2	0.15	76	49-130	
beta-BHC	ug/L	0.2	0.16	82	39-130	
delta-BHC	ug/L	0.2	0.17	83	51-130	
gamma-BHC (Lindane)	ug/L	0.2	0.15	75	43-130	
Decachlorobiphenyl (S)	%			23	10-114	
Tetrachloro-m-xylene (S)	%			68	10-103	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2598800 2598801

Parameter	Units	30524035001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aldrin	ug/L	ND	0.2	0.2	0.15	0.15	77	75	42-140	1	35	
alpha-BHC	ug/L	ND	0.2	0.2	0.15	0.15	77	78	37-140	2	36	
beta-BHC	ug/L	ND	0.2	0.2	0.16	0.16	80	80	17-147	1	44	
delta-BHC	ug/L	ND	0.2	0.2	0.17	0.17	87	87	19-140	0	52	
gamma-BHC (Lindane)	ug/L	ND	0.2	0.2	0.15	0.15	75	75	32-140	1	39	
Decachlorobiphenyl (S)	%						63	63	10-114			
Tetrachloro-m-xylene (S)	%						69	70	10-103			

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30524035

QC Batch: 534895	Analysis Method: EPA 625.1 Dec 2016
QC Batch Method: EPA 625.1 Dec 2016	Analysis Description: 625.1 MSSV RV
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30524035001

METHOD BLANK: 2595917 Matrix: Water
Associated Lab Samples: 30524035001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,6-Trichlorophenol	ug/L	ND	1.0	0.59	09/26/22 13:24	
2,4-Dichlorophenol	ug/L	ND	1.0	0.61	09/26/22 13:24	
2-Chlorophenol	ug/L	ND	1.0	0.59	09/26/22 13:24	
4-Chloro-3-methylphenol	ug/L	ND	1.0	0.63	09/26/22 13:24	
Naphthalene	ug/L	ND	2.5	0.67	09/26/22 13:24	
Pentachlorophenol	ug/L	ND	2.5	1.5	09/26/22 13:24	
2,4,6-Tribromophenol (S)	%	82	10-166		09/26/22 13:24	
2-Fluorobiphenyl (S)	%	93	20-133		09/26/22 13:24	
2-Fluorophenol (S)	%	39	10-95		09/26/22 13:24	
Nitrobenzene-d5 (S)	%	72	10-175		09/26/22 13:24	
Phenol-d6 (S)	%	24	10-63		09/26/22 13:24	
Terphenyl-d14 (S)	%	120	30-148		09/26/22 13:24	

LABORATORY CONTROL SAMPLE: 2595918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Trichlorophenol	ug/L	10	9.6	96	52-129	
2,4-Dichlorophenol	ug/L	10	7.9	79	53-122	
2-Chlorophenol	ug/L	10	8.1	81	36-120	
4-Chloro-3-methylphenol	ug/L	10	8.1	81	41-128	
Naphthalene	ug/L	10	7.3	73	36-120	
Pentachlorophenol	ug/L	10	11.6	116	38-152	
2,4,6-Tribromophenol (S)	%			98	10-166	
2-Fluorobiphenyl (S)	%			86	20-133	
2-Fluorophenol (S)	%			36	10-95	
Nitrobenzene-d5 (S)	%			67	10-175	
Phenol-d6 (S)	%			22	10-63	
Terphenyl-d14 (S)	%			94	30-148	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2595919 2595920

Parameter	Units	30523569004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,6-Trichlorophenol	ug/L	ND	11	10.2	9.0	8.8	82	87	37-144	2	58	
2,4-Dichlorophenol	ug/L	ND	11	10.2	7.0	7.0	63	68	39-135	0	50	
2-Chlorophenol	ug/L	ND	11	10.2	6.9	6.9	62	68	23-134	1	61	
4-Chloro-3-methylphenol	ug/L	ND	11	10.2	7.5	7.7	68	75	22-147	2	73	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30524035

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2595919 2595920												
Parameter	Units	30523569004	MS	MSD	2595920		MS	MSD	% Rec	Max	Qual	
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result						
Naphthalene	ug/L	ND	11	10.2	6.0	6.3	55	62	21-133	4	65	
Pentachlorophenol	ug/L	ND	11	10.2	12.2	12.1	111	119	14-176	1	86	
2,4,6-Tribromophenol (S)	%						88	94	10-166			
2-Fluorobiphenyl (S)	%						61	67	20-133			
2-Fluorophenol (S)	%						28	29	10-95			
Nitrobenzene-d5 (S)	%						57	67	10-175			
Phenol-d6 (S)	%						17	18	10-63			
Terphenyl-d14 (S)	%						86	90	30-148			

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30524035

QC Batch: 534696

Analysis Method: SM 3500-CrB-2011

QC Batch Method: SM 3500-CrB-2011

Analysis Description: Chromium, Hexavalent by 3500

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30524035001

METHOD BLANK: 2594558

Matrix: Water

Associated Lab Samples: 30524035001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	ND	0.010	0.0054	09/22/22 11:45	1c

LABORATORY CONTROL SAMPLE & LCSD: 2594559

2594560

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	mg/L	0.25	0.24	0.27	96	110	85-115	13	20	1c

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QUALIFIERS

Project: National Grid - Gloversville
Pace Project No.: 30524035

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 534696

[1] Due to limited volume for MS/MSD, LCSD was analyzed

ANALYTE QUALIFIERS

1c Due to limited volume for MS/MSD, LCSD was analyzed

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: National Grid - Gloversville

Pace Project No.: 30524035

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30524035001	System Effluent Composite	EPA 608.3 Dec 2016	535538	EPA 608.3 Dec 2016	535772
30524035001	System Effluent Composite	EPA 200.7	276445	EPA 200.7	276507
30524035001	System Effluent Composite	EPA 245.1	276197	EPA 245.1	276252
30524035001	System Effluent Composite	EPA 625.1 Dec 2016	534895	EPA 625.1 Dec 2016	535076
30524035001	System Effluent Composite	SM 3500-CrB-2011	534696		

REPORT OF LABORATORY ANALYSIS

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Pittsburgh Lab Sample Condition Upon Receipt



Client Name:

GES

Project #

30524035

 Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other

Tracking #: 924229640522

 Label *BA*
 LIMS Login

 Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Thermometer Used

18

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temperature Observed Temp 3.8 °C Correction Factor: .1 °C Final Temp: 3.7 °C

Temp should be above freezing to 6°C

Comments:	pH paper Lot#			Date and Initials of person examining contents:
	Yes	No	N/A	
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. <i>(COCU)</i>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.
-Includes date/time/ID Matrix: <i>MT</i>				
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.
Short Hold Time Analysis (<72hr remaining):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.
Rush Turn Around Time Requested:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8.
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.
-Pace Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.
Orthophosphate field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12.
Hex Cr Aqueous sample field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	13.
Organic Samples checked for dechlorination:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.
Filtered volume received for Dissolved tests	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	15.
All containers have been checked for preservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix				
All containers meet method preservation requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <i>AK</i> Date/time of preservation:
				Lot # of added preservative:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17.
Trip Blank Present:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	18.
Trip Blank Custody Seals Present	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Rad Samples Screened < 0.5 mrem/hr	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <i>AK</i> Date: Survey Meter SN:

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ A check in this box indicates that additional information has been stored in ereports.

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

WO#: 70231391



70231391

Custody

☐ Samples Pre-Logged into eCOC.

State Of Origin: NY

Cert. Needed: ☒ Yes ☐ No

Workorder: 30524035 Workorder Name: National Grid - Gloversville

Owner Received Date: 9/22/2022 Results Requested By: 9/29/2022

Report To		Subcontract To		Requested Analysis											
Courtney Fenk Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600		Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631)694-3040													
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers									
1	System Effluent Composite	PS	9/21/2022 12:00	30524035001	Water	1	HNO3								
2															
3															
4															
5															
LAB USE ONLY															
Mercury by 245.1															
Metals by 200.7															
Comments															
Transfers		Released By		Date/Time		Received By		Date/Time							
1		Jacek Gamm		9/24/22 15:00		ASH (Pace)		9/29/22 10:10							
2															
3															
Cooler Temperature on Receipt		°C		Custody Seal		Y or N		Received on Ice		Y or N					

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Pittsburgh Lab Sample Condition Upon Receipt



Client Name:

GES

Project #

30524035

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other

Tracking #: 924229640522

Label <u>BL</u>
LIMS Login

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Thermometer Used 18 Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temperature Observed Temp 3.8 °C Correction Factor: .1 °C Final Temp: 3.7 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot#	Date and Initials of person examining contents:
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>100001</u>	<u>M 9-22-22</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-Includes date/time/ID Matrix: <u>WT</u>					
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Short Hold Time Analysis (<72hr remaining):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rush Turn Around Time Requested:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-Pace Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Orthophosphate field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Hex Cr Aqueous sample field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Organic Samples checked for dechlorination:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Filtered volume received for Dissolved tests	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
All containers have been checked for preservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix					
All containers meet method preservation requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <u>AK</u>	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Trip Blank Present:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Trip Blank Custody Seals Present	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rad Samples Screened < 0.5 mrem/hr	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Initial when completed: <u>AK</u>	Date: Survey Meter SN:

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

☐ A check in this box indicates that additional information has been stored in ereports.

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

104. 20524035
16ETZ07: #0M

Client Name:

Project

PM: MN2

Due Date: 10/06/22

CLIENT: PACE-PA

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking #: 53444103 2759

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☐ Yes ☐ No ☐ N/A

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Thermometer Used: ~~TH091~~ TH148 Correction Factor: ± 0.1

Cooler Temperature(°C): 1.6 Cooler Temperature Corrected(°C): 1.7

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: SDZ 10/29/22

Temperature Blank Present: ☐ Yes ☐ No

Type of Ice: Wet Blue None

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9.
--Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		11.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12.
-Includes date/time/ID, Matrix: SL WT OIL				
All containers needing preservation have been checked?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13.
pH paper Lot # HC 178067				
All containers needing preservation are found to be in compliance with method recommendation?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Sample #
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)				
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				
Per Method, VOA pH is checked after analysis				Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

October 12, 2022

Mr. Devin Shay
Groundwater & Environmental Services -
Syracuse
6780 Northern Boulevard
Suite 100
East Syracuse, NY 13057

RE: Project: National Grid - Gloversville
Pace Project No.: 30524191

Dear Mr. Shay:

Enclosed are the analytical results for sample(s) received by the laboratory on September 22, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses were subcontracted outside of the Pace Network. The test report from the external subcontractor is attached to this report in its entirety.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

The samples were subcontracted to ALS, 301 Fulling Mill Rd, Middletown, PA 17057 for Phenolics analysis. Results of the analysis are reported on the ALS data tables.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



David A. Pichette
david.pichette@pacelabs.com
(724)850-5617
Project Manager

Enclosures

cc: Tim Beaumont, Groundwater & Environmental Services,
Inc.
NE Region GES, Groundwater & Environmental Services,
Inc.

Bonnie Janowiak, Groundwater & Environmental Services,
Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: National Grid - Gloversville

Pace Project No.: 30524191

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 04222CA

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

Delaware Certification

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Florida: Cert E871149 SEKS WET

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas/TNI Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA180012

Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: 2017020

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572018-1

New Hampshire/TNI Certification #: 297617

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-010

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: 02867

Texas/TNI Certification #: T104704188-17-3

Utah/TNI Certification #: PA014572017-9

USDA Soil Permit #: P330-17-00091

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: National Grid - Gloversville

Pace Project No.: 30524191

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30524191001	System Effluent Grab 0922	Water	09/21/22 12:10	09/22/22 09:30
30524191002	trip blank	Water	09/21/22 00:01	09/22/22 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: National Grid - Gloversville

Pace Project No.: 30524191

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30524191001	System Effluent Grab 0922	EPA 625.1 Dec 2016	EAC	7	PASI-PA
		EPA 624.1 Dec 2016	JAS	10	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		SM 4500H+B-2011	JRM	1	PASI-PA
		EPA 335.4	CMT	1	PASI-PA
30524191002	trip blank	EPA 624.1 Dec 2016	JAS	10	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30524191

Method: EPA 625.1 Dec 2016

Description: 625.1 Reduced Volume

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 12, 2022

General Information:

1 sample was analyzed for EPA 625.1 Dec 2016 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 625.1 Dec 2016 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 534895

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- System Effluent Grab 0922 (Lab ID: 30524191001)
- Pentachlorophenol

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30524191

Method: EPA 624.1 Dec 2016

Description: 624.1 Volatile Organics

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 12, 2022

General Information:

2 samples were analyzed for EPA 624.1 Dec 2016 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30524191

Method: EPA 1664A

Description: HEM, Oil and Grease

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 12, 2022

General Information:

1 sample was analyzed for EPA 1664A by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 535552

1c: pH adjusted to <2 in lab at bench prior to analysis.

- BLANK (Lab ID: 2598836)
 - Oil and Grease
- BLANK (Lab ID: 2598951)
 - Oil and Grease

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30524191

Method: SM 4500H+B-2011

Description: 4500H+ pH, Electrometric

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 12, 2022

General Information:

1 sample was analyzed for SM 4500H+B-2011 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H3: Sample was received or analysis requested beyond the recognized method holding time.

- System Effluent Grab 0922 (Lab ID: 30524191001)

H6: Analysis initiated outside of the 15 minute EPA required holding time.

- System Effluent Grab 0922 (Lab ID: 30524191001)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30524191

Method: EPA 335.4

Description: 335.4 Cyanide, Total

Client: Groundwater & Environmental Services, Inc. (Syracuse)

Date: October 12, 2022

General Information:

1 sample was analyzed for EPA 335.4 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 335.4 with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 535301

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 2597923)
- Cyanide

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid - Gloversville

Pace Project No.: 30524191

Sample: System Effluent Grab 0922 Lab ID: 30524191001 Collected: 09/21/22 12:10 Received: 09/22/22 09:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
625.1 Reduced Volume Analytical Method: EPA 625.1 Dec 2016 Preparation Method: EPA 625.1 Dec 2016 Pace Analytical Services - Greensburg									
Pentachlorophenol	ND	ug/L	2.5	1.5	1	09/23/22 09:11	09/27/22 20:37	87-86-5	CH
Surrogates									
Nitrobenzene-d5 (S)	72	%	10-175		1	09/23/22 09:11	09/27/22 20:37	4165-60-0	
2-Fluorobiphenyl (S)	81	%	20-133		1	09/23/22 09:11	09/27/22 20:37	321-60-8	
Terphenyl-d14 (S)	100	%	30-148		1	09/23/22 09:11	09/27/22 20:37	1718-51-0	
Phenol-d6 (S)	22	%	10-63		1	09/23/22 09:11	09/27/22 20:37	13127-88-3	
2-Fluorophenol (S)	36	%	10-95		1	09/23/22 09:11	09/27/22 20:37	367-12-4	
2,4,6-Tribromophenol (S)	103	%	10-166		1	09/23/22 09:11	09/27/22 20:37	118-79-6	
624.1 Volatile Organics Analytical Method: EPA 624.1 Dec 2016 Pace Analytical Services - Greensburg									
Benzene	ND	ug/L	1.0	0.41	1		09/29/22 13:13	71-43-2	
Chloroform	ND	ug/L	4.0	1.2	1		09/29/22 13:13	67-66-3	
Ethylbenzene	ND	ug/L	1.0	0.31	1		09/29/22 13:13	100-41-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.24	1		09/29/22 13:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.30	1		09/29/22 13:13	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		09/29/22 13:13	108-88-3	
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-120		1		09/29/22 13:13	460-00-4	
Toluene-d8 (S)	99	%	80-120		1		09/29/22 13:13	2037-26-5	
1,2-Dichloroethane-d4 (S)	115	%	80-120		1		09/29/22 13:13	17060-07-0	
Dibromofluoromethane (S)	110	%	74-125		1		09/29/22 13:13	1868-53-7	
HEM, Oil and Grease Analytical Method: EPA 1664A Pace Analytical Services - Greensburg									
Oil and Grease	ND	mg/L	5.0	1.8	1		09/27/22 11:19		
4500H+ pH, Electrometric Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg									
pH at 25 Degrees C	7.6	Std. Units	2.0	2.0	1		09/27/22 15:22		H3,H6
335.4 Cyanide, Total Analytical Method: EPA 335.4 Preparation Method: EPA 335.4 Pace Analytical Services - Greensburg									
Cyanide	0.018	mg/L	0.010	0.0046	1	09/26/22 09:30	09/27/22 12:19	57-12-5	

Sample: trip blank Lab ID: 30524191002 Collected: 09/21/22 00:01 Received: 09/22/22 09:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics Analytical Method: EPA 624.1 Dec 2016 Pace Analytical Services - Greensburg									
Benzene	ND	ug/L	1.0	0.41	1		09/29/22 11:37	71-43-2	
Chloroform	ND	ug/L	4.0	1.2	1		09/29/22 11:37	67-66-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid - Gloversville

Pace Project No.: 30524191

Sample: trip blank		Lab ID: 30524191002		Collected: 09/21/22 00:01		Received: 09/22/22 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics		Analytical Method: EPA 624.1 Dec 2016 Pace Analytical Services - Greensburg							
Ethylbenzene	ND	ug/L	1.0	0.31	1		09/29/22 11:37	100-41-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.24	1		09/29/22 11:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.30	1		09/29/22 11:37	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		09/29/22 11:37	108-88-3	
Surrogates									
4-Bromofluorobenzene (S)	98	%.	80-120		1		09/29/22 11:37	460-00-4	
Toluene-d8 (S)	98	%.	80-120		1		09/29/22 11:37	2037-26-5	
1,2-Dichloroethane-d4 (S)	111	%.	80-120		1		09/29/22 11:37	17060-07-0	
Dibromofluoromethane (S)	110	%.	74-125		1		09/29/22 11:37	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30524191

QC Batch: 536221 Analysis Method: EPA 624.1 Dec 2016
QC Batch Method: EPA 624.1 Dec 2016 Analysis Description: 6241 MSV
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30524191001, 30524191002

METHOD BLANK: 2601984 Matrix: Water
Associated Lab Samples: 30524191001, 30524191002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.24	09/29/22 10:02	
Benzene	ug/L	ND	1.0	0.41	09/29/22 10:02	
Chloroform	ug/L	ND	4.0	1.2	09/29/22 10:02	
Ethylbenzene	ug/L	ND	1.0	0.31	09/29/22 10:02	
Tetrachloroethene	ug/L	ND	1.0	0.30	09/29/22 10:02	
Toluene	ug/L	ND	1.0	0.24	09/29/22 10:02	
1,2-Dichloroethane-d4 (S)	%	113	80-120		09/29/22 10:02	
4-Bromofluorobenzene (S)	%	102	80-120		09/29/22 10:02	
Dibromofluoromethane (S)	%	110	74-125		09/29/22 10:02	
Toluene-d8 (S)	%	99	80-120		09/29/22 10:02	

LABORATORY CONTROL SAMPLE: 2601985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	23.1	115	60-140	
Benzene	ug/L	20	22.5	113	65-135	
Chloroform	ug/L	20	22.2	111	70-135	
Ethylbenzene	ug/L	20	22.4	112	60-140	
Tetrachloroethene	ug/L	20	23.7	118	70-130	
Toluene	ug/L	20	21.7	108	70-130	
1,2-Dichloroethane-d4 (S)	%			105	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Dibromofluoromethane (S)	%			104	74-125	
Toluene-d8 (S)	%			101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2602559 2602560

Parameter	Units	30524651001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	20	20	19.2	22.0	96	110	46-157	14	61	
Benzene	ug/L	1.0 U	20	20	17.4	20.7	87	103	37-151	17	61	
Chloroform	ug/L	4.0 U	20	20	16.5	19.5	82	98	51-138	17	54	
Ethylbenzene	ug/L	1.0 U	20	20	18.1	20.5	91	102	37-162	12	63	
Tetrachloroethene	ug/L	1.0 U	20	20	18.4	21.4	92	107	64-148	15	39	
Toluene	ug/L	1.0 U	20	20	17.2	19.9	86	99	47-150	14	41	
1,2-Dichloroethane-d4 (S)	%						102	100	80-120			
4-Bromofluorobenzene (S)	%						103	103	80-120			

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30524191

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2602559 2602560												
Parameter	Units	30524651001	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike	Spike								
Dibromofluoromethane (S)	%.						102	101	74-125			
Toluene-d8 (S)	%.						102	105	80-120			

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30524191

QC Batch: 534895	Analysis Method: EPA 625.1 Dec 2016
QC Batch Method: EPA 625.1 Dec 2016	Analysis Description: 625.1 MSSV RV
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30524191001

METHOD BLANK: 2595917 Matrix: Water
Associated Lab Samples: 30524191001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Pentachlorophenol	ug/L	ND	2.5	1.5	09/26/22 13:24	
2,4,6-Tribromophenol (S)	%.	82	10-166		09/26/22 13:24	
2-Fluorobiphenyl (S)	%.	93	20-133		09/26/22 13:24	
2-Fluorophenol (S)	%.	39	10-95		09/26/22 13:24	
Nitrobenzene-d5 (S)	%.	72	10-175		09/26/22 13:24	
Phenol-d6 (S)	%.	24	10-63		09/26/22 13:24	
Terphenyl-d14 (S)	%.	120	30-148		09/26/22 13:24	

LABORATORY CONTROL SAMPLE: 2595918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pentachlorophenol	ug/L	10	11.6	116	38-152	
2,4,6-Tribromophenol (S)	%.			98	10-166	
2-Fluorobiphenyl (S)	%.			86	20-133	
2-Fluorophenol (S)	%.			36	10-95	
Nitrobenzene-d5 (S)	%.			67	10-175	
Phenol-d6 (S)	%.			22	10-63	
Terphenyl-d14 (S)	%.			94	30-148	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2595919 2595920

Parameter	Units	30523569004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pentachlorophenol	ug/L	ND	11	10.2	12.2	12.1	111	119	14-176	1	86	
2,4,6-Tribromophenol (S)	%.						88	94	10-166			
2-Fluorobiphenyl (S)	%.						61	67	20-133			
2-Fluorophenol (S)	%.						28	29	10-95			
Nitrobenzene-d5 (S)	%.						57	67	10-175			
Phenol-d6 (S)	%.						17	18	10-63			
Terphenyl-d14 (S)	%.						86	90	30-148			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30524191

QC Batch:	535552	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 30524191001

METHOD BLANK: 2598835 Matrix: Water
Associated Lab Samples: 30524191001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	1.8	09/27/22 11:16	

METHOD BLANK: 2598836 Matrix: Water
Associated Lab Samples: 30524191001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	10.0	3.6	09/27/22 11:16	1c

METHOD BLANK: 2598951 Matrix: Water
Associated Lab Samples: 30524191001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	10.0	3.6	09/27/22 11:16	1c

LABORATORY CONTROL SAMPLE: 2598837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	34.2	86	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2598838 2598839

Parameter	Units	30522671001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	37.6	34.3	94	86	78-114	9	18	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30524191

QC Batch: 535689

Analysis Method: SM 4500H+B-2011

QC Batch Method: SM 4500H+B-2011

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30524191001

SAMPLE DUPLICATE: 2599273

Parameter	Units	30524543002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.8	1	10	H3,H6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30524191

QC Batch:	535301	Analysis Method:	EPA 335.4
QC Batch Method:	EPA 335.4	Analysis Description:	335.4 Cyanide, Total
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 30524191001

METHOD BLANK: 2597903 Matrix: Water
Associated Lab Samples: 30524191001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.010	0.0046	09/27/22 12:12	

LABORATORY CONTROL SAMPLE: 2597904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.2	0.21	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2597905 2597906

Parameter	Units	30524191001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.018	0.1	0.1	0.12	0.11	103	96	90-110	6	20	

SAMPLE DUPLICATE: 2597923

Parameter	Units	30524023002 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	0.035	0.059	51	20	D6

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: National Grid - Gloversville

Pace Project No.: 30524191

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1c pH adjusted to <2 in lab at bench prior to analysis.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

H3 Sample was received or analysis requested beyond the recognized method holding time.

H6 Analysis initiated outside of the 15 minute EPA required holding time.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: National Grid - Gloversville

Pace Project No.: 30524191

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30524191001	System Effluent Grab 0922	EPA 625.1 Dec 2016	534895	EPA 625.1 Dec 2016	535076
30524191001	System Effluent Grab 0922	EPA 624.1 Dec 2016	536221		
30524191002	trip blank	EPA 624.1 Dec 2016	536221		
30524191001	System Effluent Grab 0922	EPA 1664A	535552		
30524191001	System Effluent Grab 0922	SM 4500H+B-2011	535689		
30524191001	System Effluent Grab 0922	EPA 335.4	535301	EPA 335.4	535452

REPORT OF LABORATORY ANALYSIS

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: GES - Syracuse		Report To: Devin Shay (GES) dshay@gesonline.com		Attention: Accounts Payable via email at ges-Invoices@gesonline.com	
Address: 8780 Northern BLVD, Suite 100		Report To: Tim Beaumont (GES) tbeaumont@gesonline.com		Company Name: Groundwater & Environmental Services, Inc.	
East Syracuse, New York 13057				Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057	
Email To: dshay@gesonline.com		Purchase Order No.:		Pace Quote Reference:	
Phone: 800.220.3069 Fax: None		Project Name: National Grid - Gloversville Former MGP Site, Gloversville, NY		Pace Project Manager: Rachel Christner	
Requested Due Date/TAT: Standard		Project Number: 0603324-120780-221-1106		Pace Profile #: Semi-Annual System Sampling-Grab	

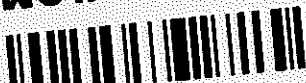
REGULATORY AGENCY	
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<input type="checkbox"/> UST	<input type="checkbox"/> RCRA <input type="checkbox"/> OTHER
SITE	<input type="checkbox"/> GA <input type="checkbox"/> IL <input type="checkbox"/> IN <input type="checkbox"/> MI <input type="checkbox"/> NC
LOCATION	<input type="checkbox"/> OH <input type="checkbox"/> SC <input type="checkbox"/> WI <input type="checkbox"/> OTHER
Filtered (Y/N)	

Section D Required Client Information		Valid Matrix Codes		COLLECTED		SAMPLE TEMP AT COLLECTION		POF CONTAINERS		Preservatives		Requested Analysis:	
ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / -)	MATRIX	CODE	DATE	TIME	DATE	TIME	Unpreserved	Preserved	Unpreserved	Preserved	Other	
1	System Effluent Grab 0922	WT	G	9/21/22	12:10	9/21/22	12:10	11	3	1	5	1	2
2	Trip Blank	WT	Lab					2					
3	---END OF RECORD---												
4													
5													
6													
7													
8													
9													
10													
11													

Additional Comments:		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
SAMPLES WILL ARRIVE IN # 1 COOLERS.		[Signature]		9/21/22		12:30		[Signature]		9/22/22		9:30		Y/N Y/N Y/N	
Please send reports to: dshay@gesonline.com, tbeaumont@gesonline.com														Y/N Y/N Y/N	
NERegion@gesonline.com, ges@equisonline.com														Y/N Y/N Y/N	

SPECIFIC EDD NAME:		SAMPLER NAME AND SIGNATURE		DATE SIGNATURE (DD/MM/YY)		Temp in °C		Received on		Custody		Sealed Cooler		Samples Intact	
NGGloversville-labnumber.28351.EQEDD.zip		[Signature]		9/21/22		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]	

WO#: 30524191



30524191

Pittsburgh Lab Sample Condition Upon Receipt



Client Name: GES

Project # _____

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Thermometer Used 18 Type of Ice: Wet ~~Blue~~ None

Cooler Temperature Observed Temp 5.1 °C Correction Factor: -0.1 °C Final Temp: 5.0 °C

Temp should be above freezing to 6°C

Label PK
LIMS Login

Comments:

pH paper Lot# 60441

Date and Initials of person examining contents: PK 9-29-22

	Yes	No	N/A	
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.
-Includes date/time/ID Matrix: <u>MT</u>				
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.
Short Hold Time Analysis (<72hr remaining):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.
Rush Turn Around Time Requested:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8.
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.
-Pace Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.
Orthophosphate field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12.
Hex Cr Aqueous sample field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	13.
Organic Samples checked for dechlorination:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14.
Filtered volume received for Dissolved tests	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	15.
All containers have been checked for preservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.
exceptions: <u>VOA</u> , coliform, TOC, <u>OSG</u> , Phenolics, Radon, Non-aqueous matrix				
All containers meet method preservation requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <u>PK</u> Date/time of preservation: _____
				Lot # of added preservative: _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	17.
Trip Blank Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rad Samples Screened < 0.5 mrem/hr	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Initial when completed: <u>PK</u> Date: _____ Survey Meter SN: _____

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution:

1 Trip Blank Vial found broken

☐ A check in this box indicates that additional information has been stored in ereports.

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

WO#: 30524191

PM: CF1

Due Date: 09/29/22
CLIENT: GES-Syracuse



301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | Fax: 717-944-1430 | www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

Analytical Results Report For

Pace Analytical Services, Inc.-PA

Project 30524191
Workorder 3266413
Report ID 199743 on 10/11/2022

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Sep 30, 2022.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Sarah Leung (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Global.
ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):

David Pichette - Pace Analytical Services, Inc.
Emailed Reports - Pace Analytical Services, Inc.
Tonya Hironimus - Pace Analytical Services, Inc.

Sarah Leung

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Sarah Leung
Project Coordinator

(ALS Digital Signature)



Sample Summary

<u>Lab ID</u>	<u>Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Collector</u>	<u>Collection Company</u>
3266413001	30524191001	Water	09/21/2022 12:10	09/30/2022 08:30	CBC	Collected By Client



Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136.
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.



Project Notations

Lab ID

Sample ID

Sample Notations

Notation Ref.

Result Notations



Detected Results Summary

Client Sample ID	30524191001	Collected	09/21/2022 12:10
Lab Sample ID	3266413001	Lab Receipt	09/30/2022 08:30

Compound	Result	Units	RDL	MDL	Method	Flag
WET CHEMISTRY						
Phenolics	0.007	mg/L	0.004	0.002	EPA 420.4	#



Results

Client Sample ID	30524191001	Collected	09/21/2022 12:10
Lab Sample ID	3266413001	Lab Receipt	09/30/2022 08:30

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Phenolics	0.007		mg/L	0.004	0.002	EPA 420.4	1	10/06/2022 12:16	AKH	A



Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3266413001	30524191001	EPA 420.4	SW846 9066	



QUALITY CONTROL SAMPLES

WET CHEMISTRY

QC Batch

QC Batch	887059	Prep Method	SW846 9066
Date	10/06/2022 07:27	Analysis Method	EPA 420.4
Tech.	AKH		

Associated Samples

3266413001

Matrix Spike 3566008 (MS) 3265651001 (non-Project Sample) For QC Batch 887059

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Matrix Spike Duplicate 3566009 (MSD) 3265651001 (non-Project Sample) For QC Batch 887059

RESULTS

Compound	CAS No		Result (mg/L)	Orig. Result (mg/L)	Spk Added (mg/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Phenolics	PHENOL	MS	0.1550	0.0170	0.10	138*	90 - 110		
Phenolics	PHENOL	MSD	0.17	0.0170	0.20	76.8*	90 - 110	RPD 9.55 (Max-10)	



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3266413001	30524191001	SW846 9066	887059	10/06/2022 07:27	AKH	EPA 420.4	887489

Chain of Custody



Pace Analytical Services, Inc.
 1638 Roseytown Road
 Suites 2,3, & 4
 Greensburg, PA 15601
 Phone: (724) 850-5600
 FAX: (724) 850-5601

Sample Condition upon Receipt: (Please record the following information)	
Temp in C	
Received on Ice	Yes
Sealed Cooler	Yes
Samples Intact	Yes

Page 1 of 1

Pace Sample ID:	Matrix:	Collection Date:	Time:	Anal:
30524191001	WT	9/21/22	12:10	Phenolics
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Special Requirements:

****Please supply a meth

Temp Taken By: DD
 WO Temp (°C) 30
 Therm ID: 574
 Receipt Info Completed By: DD
 Cooler Custody Seal Intact Y
 Sample Custody Seal Intact Y
 Received on Ice Y
 Cooler & Samples Intact Y
 Correct Containers Provided Y
 Sample Label/COC Agree Y
 Adequate Sample Volumes Y
 VOA Headspace Present Y
 Voa Trip Blank Y
 NIs 4 Days? Y
 Rad Screen (uCi) Y
 Courier/Tracking #: 5394 4603 3900
 SDWA Compliance Y
 PWSID Y
 WV Containers 0-6°C Y

****Please supply a meth

Subcontract Lab:
 Address:

Analytical Laboratory Services, Inc.
 301 Filling Mill Rd.
 Middletown, PA 17057
 717-944-5541

Analysis Authorized By:

Cathal O'Connell

Pace Agent Name
 Title

Acceptance of Terms By:

Subcontract Lab Agent
 Title

Relinquished By:

Jacob New 9/19/22
 (Signature & Affiliation) (Date) (Time)

Relinquished By:

PEDEP
 (Signature & Affiliation) (Date) (Time)

Comments:

Received By:

PEDEP
 (Signature & Affiliation) (Date) (Time)

Received By:

Dave Dutcher ALS
 (Signature & Affiliation) (Date) (Time)

In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

Analytical Services Request Purchase Order



Pace Analytical Services, Inc.
1638 Roseytown Road
Suites 2,3, & 4
Greensburg, PA 15601
Phone: (724) 850-5600
FAX: (724) 850-5601

Subcontractor Project No.:
P.O. No: ASR- 30524191

Request Date: 9/29/22 Analysis Due Date: 10/6/22
Shipped By: FedEx

Certification Required: NY

Pace Project No.: 30524191
Report/Invoice to: David Pichette

Email to PGHSubcon@pacelabs.com

Page 1 of 1

	Pace Sample ID:	Matrix:	Collection Date:	Time:	Analysis Requested:	Analytical Method:	Preservative Type:	Price
1	30524191001	WT	9/21/2022	12:10	Phenolics	420.4	H2SO4	\$ 35.00
2								\$ -
3								\$ -
4								\$ -
5								\$ -
6								\$ -
7								\$ -
8								\$ -
9								\$ -
10								\$ -
11								\$ -
12								\$ -

Special Requirements:

****Please supply a method blank and LCS QC information on the final report****

Subcontract Lab:

Address: Analytical Laboratory Services, Inc.

301 Filling Mill Rd.

Middletown, PA 17057

Contact: Sample Receiving

Phone: 717-944-5541

Proposal No.:

Unit Price Total: \$ 35.00

Analytical Subtotal: \$ 35.00

Subtotal this Page: \$ 35.00

Total: \$ 35.00

Instructions:

Please fill in your Project Number on both the Purchase Order and the Chain of Custody, sign Acceptance of Terms, and complete the Chain of Custody information. Please return one copy of the Chain of Custody to Pace Analytical Services, Inc. with the Final Report. Thank you. Email to PGHSubcon@pacelabs.com

PLEASE REFERENCE THE ABOVE P.O. NUMBER ON ALL CORRESPONDENCE



Appendix D – System Operational Data Summary

		Accumulated Days	Accumulated Time Calculated	NMH-1			NMH-6			Combined		FIT-500		FIC-500	Computerized Pressure Readings						AIT-700		FIT-900		POTW	Comments
				Flow Meter	Average Flow Calculated	Totalizer	Flow Meter	Average Flow Calculated	Totalizer	Total Instantaneous Influent Flow	Total Average Flow Calculated	Flow Rate	Totalizer	Flow Rate	Pre-Bag Filter Unit	Pre-Organic Clay Vessels	Pre-Carbon Vessels	Pre-Anion Resin Vessels	Post-Anion Resin Vessels	PH	Temp	Instantaneous Total Effluent Flow Rate	Totalizer	Mechanical Totalizer		
Days	Minutes	GPM	GPM	Gallons	GPM	GPM	Gallons	GPM	GPM	GPM	Gallons	GPM	PSI	PSI	PSI	PSI	PSI	PH	°F	GPM	Gallons	Gallons X 1000				
2022		Days	Total Minutes	Average	Average	Total	Average	Average	Total	Average	Average	Average	Total	Average	Average	Average	Average	Average	Average	Average	Average	Average				
		364	524085	75.46	24.71	12947209	25.88	3.71	1944369	101.35	28.42	70.00	15250951	70.00	30.73	27.78	22.43	12.55	3.95	7.2	58.2	64.37	14752233	17179		
January		29	41910	74.40	22.87	954500	23.23	3.64	1512708	97.63	26.52	70.00	1127008	70.00	31.75	29.00	23.25	13.25	4.00	7.2	52.3	64.58	1096487	1288		
February		27	38760	75.68	22.84	887589	24.53	3.25	126096	100.20	26.08	70.00	1038243	70.00	32.75	29.25	22.50	13.75	3.75	7.3	50.0	65.28	1008061	1178		
March		36	51915	75.89	25.85	1340698	26.05	4.20	225418	101.94	30.05	70.00	1591322	70.00	28.50	26.50	20.83	11.50	3.67	7.4	51.0	64.60	1543472	1802		
April		26	37200	74.08	29.09	1084353	27.95	5.35	198815	102.03	34.44	70.00	1297186	70.00	29.25	26.00	21.00	12.00	4.00	7.2	54.0	64.75	1267152	1476		
May		29	41925	74.55	27.63	1158055	26.03	4.15	173411	100.58	31.78	70.00	1355424	70.00	31.00	26.50	21.00	11.75	4.00	7.3	59.5	64.55	1321657	1534		
June		34	48945	75.88	26.89	1316964	26.24	3.74	183237	102.12	30.64	70.00	1541629	70.00	30.20	27.00	21.80	12.00	4.00	7.2	63.4	64.50	1487751	1726		
July		28	40395	76.13	25.94	1048099	23.25	3.58	144630	99.38	29.52	70.00	1228780	70.00	30.25	27.00	22.00	12.00	4.00	7.2	65.6	63.48	1181942	1372		
August		35	50145	75.80	24.06	1204740	25.56	3.07	153340	101.36	27.12	70.00	1403078	70.00	30.20	27.00	22.00	12.40	4.00	7.1	66.4	64.36	1344741	1561		
September		28	40470	76.23	24.46	991112	27.25	3.43	139702	103.48	27.89	70.00	1161843	70.00	30.00	26.75	23.00	12.75	4.00	7.1	64.7	64.43	1118546	1299		
October		28	40410	75.73	20.51	831909	26.58	2.91	118228	102.30	23.43	70.00	982134	70.00	30.33	28.33	23.33	13.00	4.00	7.1	61.7	64.20	943942	1099		
November		35	50340	75.86	22.93	1153175	26.69	3.35	168310	102.55	26.28	70.00	1358762	70.00	32.00	29.80	24.00	13.00	4.00	7.1	57.6	63.84	1308986	1526		
December		29	41670	75.35	23.43	976015	27.25	3.88	161970	102.60	27.32	70.00	1165542	70.00	32.50	30.25	24.50	13.25	4.00	7.1	52.3	63.90	1129496	1318		