

February 1, 2022

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, 2021.

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 2021. 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

2021 Semi-Annual OM&M Report



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

February 2022

Version 1





2021 Semi-Annual OM&M Report

National Grid Hill Street
20 Hill Street
Gloversville, NY 12078

Prepared for:
National Grid
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Syracuse, NY 13202

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GES Project:
0603275.120780.221

Date:
February 1, 2022

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



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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 2021. 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;
- Snow removal around the treatment building and NMH-6 during inclement weather;
- Weed trimming within the storm water rip-rap channel, as needed;
- Semi-annual system effluent sample;
- Oversight the installation of Spectrum at the Site;
- Semi-annual generator service.

3.2 Analytical Results

On September 15, 2021, 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 September 29 and October 1, 2021. 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 2021 through December 2021, the water treatment system treated and discharged approximately 8,253,000 gallons of water to the POTW sewer at an average flow of 27.14 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 241 million gallons have been successfully treated and discharged without a permit exceedance.

4 Future Activities

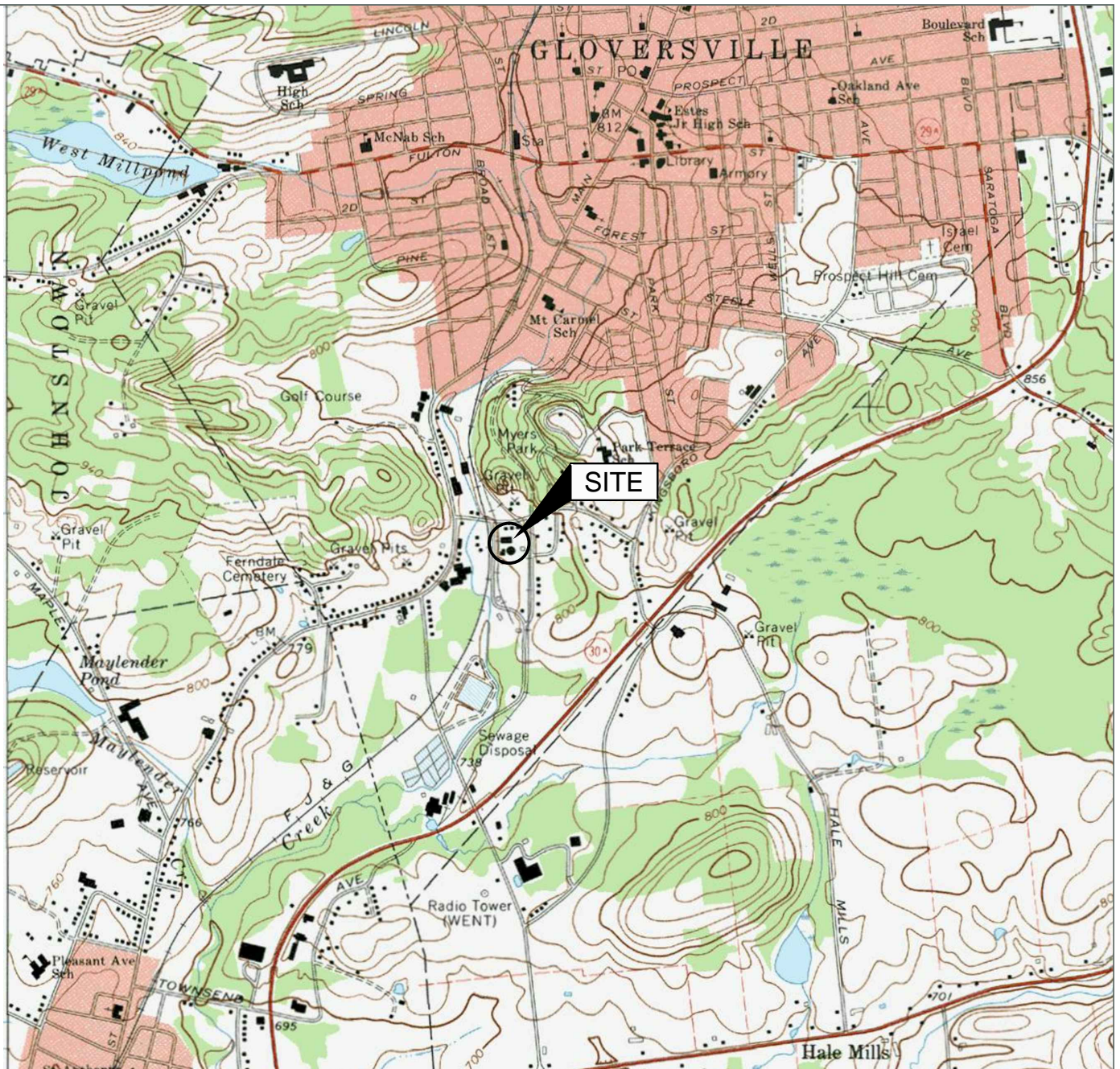
Below are OM&M activities planned for the next six months (January 2022 – June 2022):



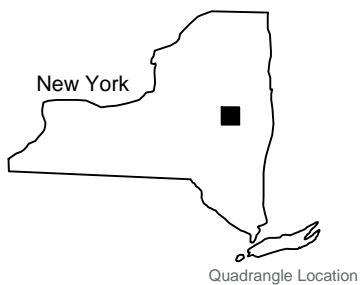
- Conduct monthly site-wide inspections and weekly water treatment system inspections. Document the inspections.
- Operate the water treatment system in continuous batch mode. During normal operations, it is anticipated that 1 (one) on-site day per week will be required (to conduct OM&M activities such 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, currently scheduled for March 8 – 9, 2022.
- Conduct semi-annual operational sampling/analysis to evaluate treatment effectiveness.
- Conduct the semi-annual treated water discharge sampling event in March 2022.
- Rebuild the top of catch basin #7 by the end of 2022.
- Prepare a semi-annual OM&M report for January 1, 2022, through June 30, 2022, 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

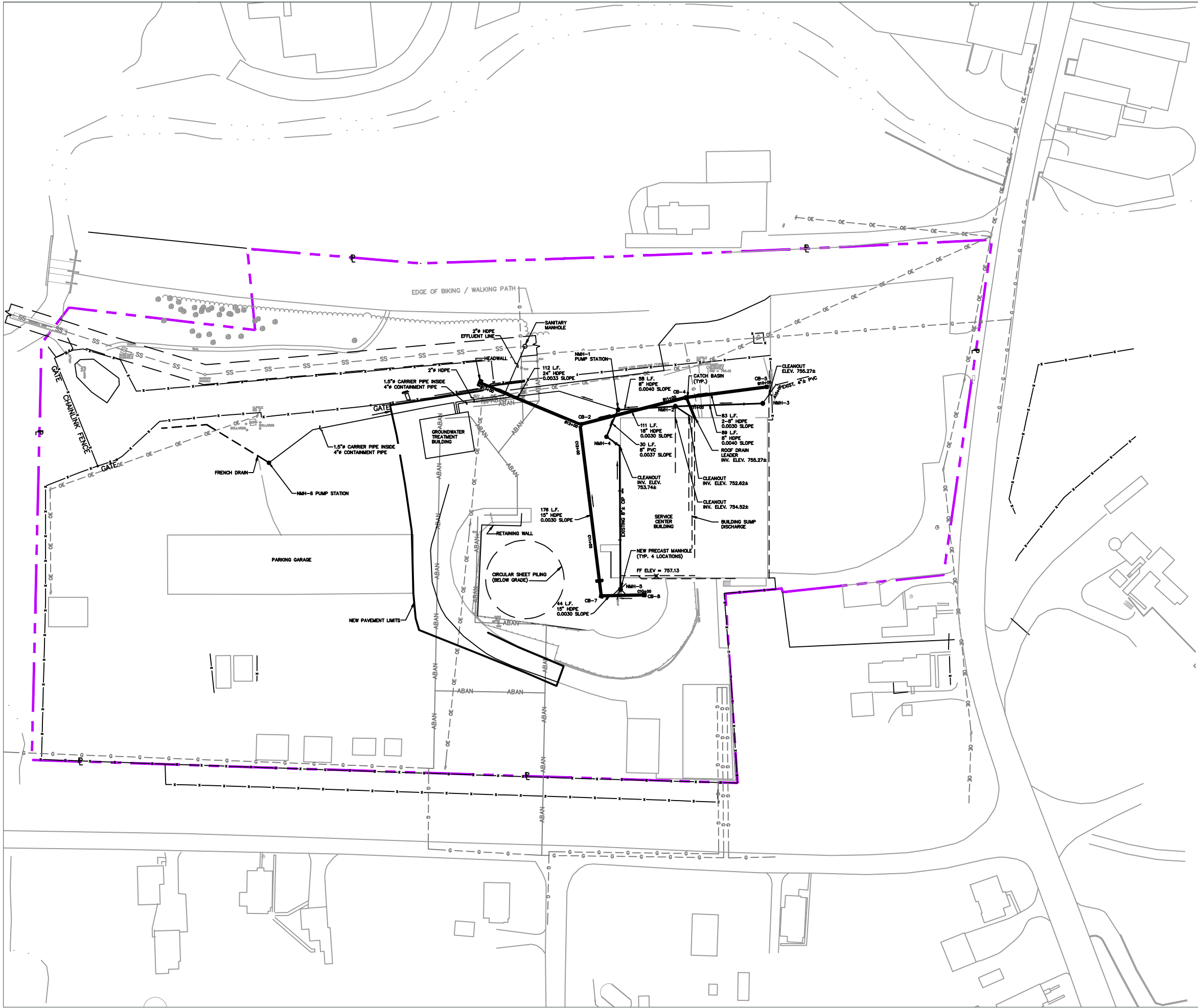
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Designed
Approved



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

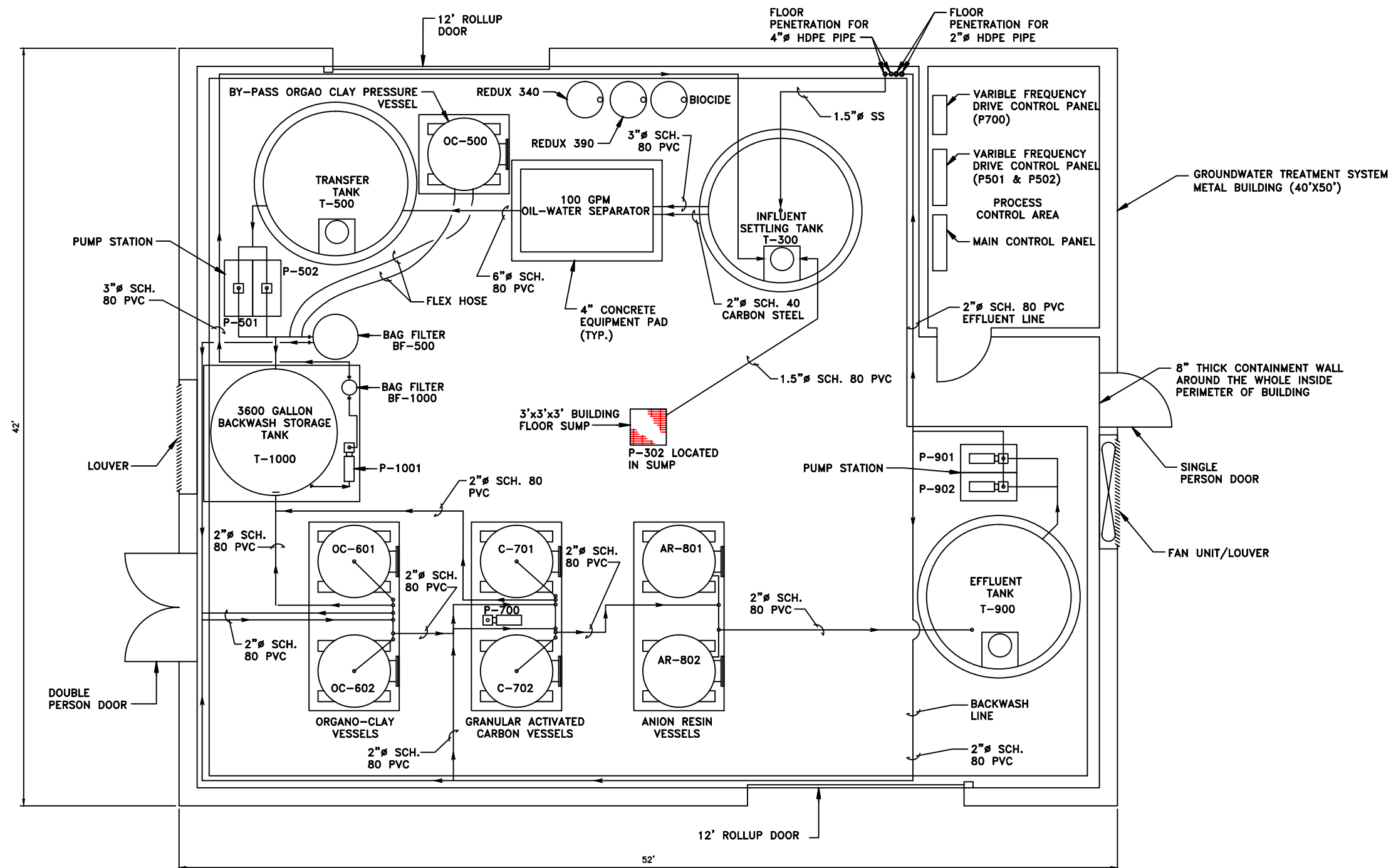
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Approved

Scale In Feet

Groundwater & Environmental Services, Inc.

Date
1-22-18
Figure
2



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

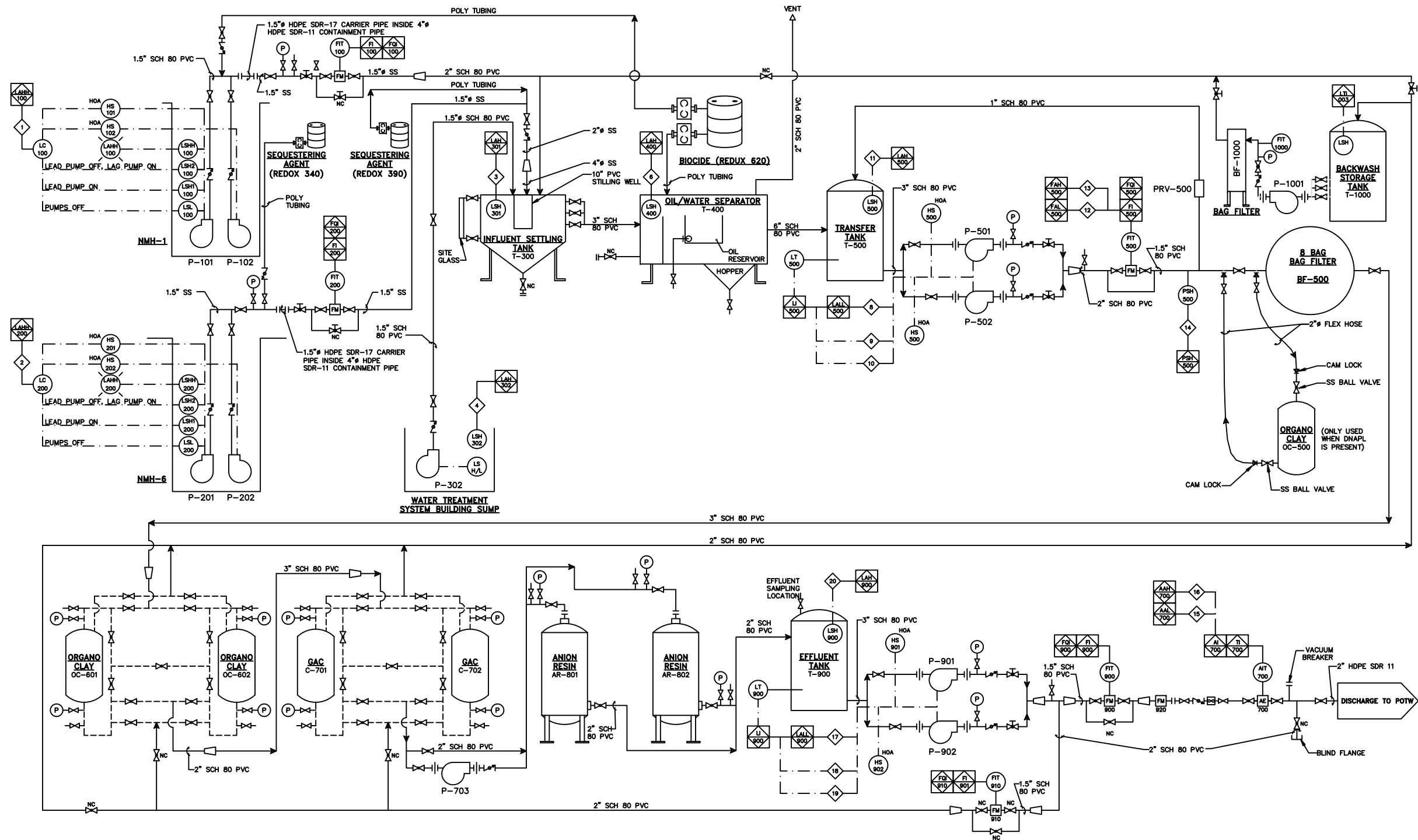
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Date
1-22-18
Figure
3

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Groundwater System
Piping and Instrumentation Diagram

National Grid
20 Hill Street
Gloversville, New York

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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: 1/2 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
NO. 2 BAGS
BAG SIZE:
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	09/15/21
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 (<0.00099)
Aldrin	0.00005	Semi-Annual	ND (<0.000025)
BHC, Isomers (sum)	0.0002	Semi-Annual	ND (<0.000025)
Total Chlorinated Phenols	0.01	Semi-Annual	ND (<0.00099)
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	09/15/21
Benzene	0.014	Semi-Annual	ND (<0.0010)
Chloroform	0.41	Semi-Annual	ND (<0.0010)
Cyanide, Total	0.10	Semi-Annual	0.014
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	0.015
Oil & Grease	150	Semi-Annual	ND (<5.0)
Temperature, °F	150	Semi-Annual	NM
pH, SU	6-10	Semi-Annual	7.5

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: 7/07/2021

Time: 1100

Technician: KL

Weather: PC 82

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
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Grouttech repaired 5/5/2016
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. starting to peel at top
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	Epoxy
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	
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 24, 2021

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

Date: 8/3/2021

Time: 0900

Technician: KL

Weather: Sunny 65

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
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Grouttech repaired 5/5/2016
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. starting to peel at top
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	Epoxy
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	
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 24, 2021

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

Date: 9/8/2021

Time: 1130

Technician: KL

Weather: Sunny 72

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
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Grouttech repaired 5/5/2016
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. starting to peel at top
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	Epoxy
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	
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 24, 2021

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

Date: 10/12/2021

Time: 1300

Technician: KL

Weather: Sunny 69

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
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Grouttech repaired 5/5/2016
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. starting to peel at top
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	Epoxy
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	
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 24, 2021

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

Date: 11/02/2021

Time: 1200

Technician: KL

Weather: Sunny 45

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
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Grouttech repaired 5/5/2016
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. starting to peel at top
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	Epoxy
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	
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 24, 2021

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

Date: 12/07/2021

Time: 1230

Technician: KL

Weather: cloudy 30

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
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Grouttech repaired 5/5/2016
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. starting to peel at top
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	Epoxy
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	
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 24, 2021



Appendix B – Weekly Inspection Forms

Date: 12/29/2021

National Grid
Gloversville, New York

Technician: KL

Time: 930

Weather: cloudy 32

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?	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?	5			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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?	130		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 12/21/2021

National Grid
Gloversville, New York

Technician: KL

Time: 1100

Weather: cloudy 38

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?	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?	5			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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?	138		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 12/15/2021

National Grid
Gloversville, New York

Technician: KL

Time: 0930

Weather: cloudy 32

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	1			
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?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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?	146		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 12/07/2021

National Grid
Gloversville, New York

Technician: KL

Time: 1230

Weather: cloudy 30

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	1			
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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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?	154		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 11/30/2021

National Grid
Gloversville, New York

Technician: KL

Time: 930

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	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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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?	162		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 11/23/2021

National Grid
Gloversville, New York

Technician: KL

Time: 1230

Weather: sunny 32

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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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?	50		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 11/17/2021

National Grid
Gloversville, New York

Technician: KL

Time: 1400

Weather: cloudy 57

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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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?	58		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 11/10/2021

National Grid
Gloversville, New York

Technician: KL

Time: 1200

Weather: sunny 57

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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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?	66		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 11/02/2021

National Grid
Gloversville, New York

Technician: KL

Time: 1200

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	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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 10/26/2021

National Grid
Gloversville, New York

Technician: KL

Time: 1200

Weather: rain 55

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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 10/19/2021

National Grid
Gloversville, New York

Technician: KL

Time: 1230

Weather: sunny 56

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?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 10/12/2021

National Grid
Gloversville, New York

Technician: TB

Time: 1600

Weather: Cloudy 72

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?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 9/27/2021

National Grid
Gloversville, New York

Technician: TB

Time: 1600

Weather: Cloudy 72

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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 9/21/2021

National Grid
Gloversville, New York

Technician: KL

Time: 1200

Weather: sunny 71

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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 9/14/2021

National Grid
Gloversville, New York

Technician: KL

Time: 0900

Weather: sunny 71

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?	5			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 9/08/2021

National Grid
Gloversville, New York

Technician: KL

Time: 0900

Weather: sunny 71

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?	5			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 8/31/2021

National Grid
Gloversville, New York

Technician: KL

Time: 0900

Weather: sunny 71

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?	5			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 8/24/2021

National Grid
Gloversville, New YorkTechnician: KL
Weather: PC 76

Time: 0900

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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 8/16/2021

National Grid
Gloversville, New York

Technician: KL

Time: 0930

Weather: sunny 71

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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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?	32		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 8/10/2021

National Grid
Gloversville, New York

Technician: TB

Time: 0630

Weather: Cloudy 71

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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 8/3/2021

National Grid
Gloversville, New York

Technician: KL

Time: 0900

Weather: Sunny 65

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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 7/28/2021

National Grid
Gloversville, New YorkTechnician: KL
Weather: PC 72

Time: 0900

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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 7/21/2021

National Grid
Gloversville, New YorkTechnician: TB
Weather: PC 74

Time: 16:00

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	1			
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 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 7/13/2021

National Grid
Gloversville, New YorkTechnician: KL
Weather: PC 76

Time: 12:00

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?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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: 7/7/2021

Time: 1100

National Grid
Gloversville, New York

Technician: KL

Weather: PC 82

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?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/18/2021 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 Sun	
OWS media in good condition?	Yes	No	New Media 5/18/2021	
Clean OWS media?	Yes	No	New Media 5/18/2021	
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	No	parallel	new media 3/09/2021
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/09/2021. New drain plug.
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2021. New drain plug
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/09/2021
Calibrate PH and temperature meter?	Yes	No	New Probe 9/11/2018	
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 5/18/2021 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/18/2021 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 5/18/2021 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

September 29, 2021

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

RE: Project: National Grid - Gloversville
Pace Project No.: 30440841

Dear Mr. Shay:

Enclosed are the analytical results for sample(s) received by the laboratory on September 16, 2021. 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,



Rachel Christner
rachel.christner@pacelabs.com
724-850-5611
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.: 30440841

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 #: 9526
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.: 30440841

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30440841001	System Effluent Composite 0921	Water	09/15/21 12:00	09/16/21 09:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: National Grid - Gloversville

Pace Project No.: 30440841

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30440841001	System Effluent Composite 0921	EPA 608.3 Dec 2016	TAW	7	PASI-PA
		EPA 200.7	HMH	11	PASI-MV
		EPA 245.1	AKS	1	PASI-MV
		EPA 625.1 Dec 2016	EAC	12	PASI-PA
		SM 3500-CrB-2011	SAC	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.: 30440841

Method: EPA 608.3 Dec 2016

Description: 608.3 Pesticides Reduced Vol.

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

Date: September 29, 2021

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.

QC Batch: 464657

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

- BLANK (Lab ID: 2243746)
 - Decachlorobiphenyl (S)
- LCS (Lab ID: 2243747)
 - Decachlorobiphenyl (S)
- System Effluent Composite 0921 (Lab ID: 30440841001)
 - Decachlorobiphenyl (S)

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.

QC Batch: 464657

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30440841

Method: EPA 608.3 Dec 2016

Description: 608.3 Pesticides Reduced Vol.

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

Date: September 29, 2021

Analyte Comments:

QC Batch: 464657

1c: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- System Effluent Composite 0921 (Lab ID: 30440841001)
 - Aldrin
 - alpha-BHC
 - beta-BHC
 - delta-BHC
 - gamma-BHC (Lindane)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30440841

Method: EPA 200.7

Description: 200.7 Metals, Total

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

Date: September 29, 2021

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: 227093

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70187484002,70187836002

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

- MS (Lab ID: 1145321)
- Silver

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30440841

Method: EPA 245.1

Description: 245.1 Mercury

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

Date: September 29, 2021

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.: 30440841

Method: EPA 625.1 Dec 2016

Description: 625.1 Reduced Volume

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

Date: September 29, 2021

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.

QC Batch: 464817

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 464817

1c: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- System Effluent Composite 0921 (Lab ID: 30440841001)
 - 2,4,6-Trichlorophenol
 - 2,4-Dichlorophenol
 - 2-Chlorophenol

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30440841

Method: EPA 625.1 Dec 2016

Description: 625.1 Reduced Volume

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

Date: September 29, 2021

Analyte Comments:

QC Batch: 464817

1c: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- System Effluent Composite 0921 (Lab ID: 30440841001)
 - 4-Chloro-3-methylphenol
 - Naphthalene
 - Pentachlorophenol

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30440841

Method: SM 3500-CrB-2011

Description: Chromium, Hexavalent

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

Date: September 29, 2021

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: 464377

Analyte Comments:

QC Batch: 464377

- 2c: Due to limited volume for MS/MSD, LCSD was analyzed
- BLANK (Lab ID: 2242054)
 - Chromium, Hexavalent
 - LCS (Lab ID: 2242055)
 - Chromium, Hexavalent
 - LCSD (Lab ID: 2242098)
 - Chromium, Hexavalent
 - System Effluent Composite 0921 (Lab ID: 30440841001)
 - 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.: 30440841

Sample: System Effluent Composite 0921 **Lab ID:** 30440841001 **Collected:** 09/15/21 12:00 **Received:** 09/16/21 09:50 **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	0.025	0.0076	1	09/20/21 10:25	09/21/21 14:55	309-00-2	1c
alpha-BHC	ND	ug/L	0.025	0.0084	1	09/20/21 10:25	09/21/21 14:55	319-84-6	1c
beta-BHC	ND	ug/L	0.025	0.015	1	09/20/21 10:25	09/21/21 14:55	319-85-7	1c
delta-BHC	ND	ug/L	0.025	0.017	1	09/20/21 10:25	09/21/21 14:55	319-86-8	1c
gamma-BHC (Lindane)	ND	ug/L	0.025	0.013	1	09/20/21 10:25	09/21/21 14:55	58-89-9	1c
Surrogates									
Tetrachloro-m-xylene (S)	73	%.	21-100		1	09/20/21 10:25	09/21/21 14:55	877-09-8	
Decachlorobiphenyl (S)	89	%.	10-113		1	09/20/21 10:25	09/21/21 14:55	2051-24-3	CH
200.7 Metals, Total Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Long Island									
Antimony	ND	ug/L	60.0	20.8	1	09/27/21 09:56	09/29/21 16:03	7440-36-0	
Arsenic	ND	ug/L	10.0	5.3	1	09/27/21 09:56	09/29/21 16:03	7440-38-2	
Cadmium	ND	ug/L	2.5	0.31	1	09/27/21 09:56	09/29/21 16:03	7440-43-9	
Chromium	ND	ug/L	10.0	1.1	1	09/27/21 09:56	09/29/21 16:03	7440-47-3	
Copper	ND	ug/L	25.0	3.7	1	09/27/21 09:56	09/29/21 16:03	7440-50-8	
Lead	ND	ug/L	5.0	2.2	1	09/27/21 09:56	09/29/21 16:03	7439-92-1	
Nickel	ND	ug/L	40.0	4.4	1	09/27/21 09:56	09/29/21 16:03	7440-02-0	
Selenium	ND	ug/L	10.0	7.1	1	09/27/21 09:56	09/29/21 16:03	7782-49-2	
Silver	ND	ug/L	10.0	1.2	1	09/27/21 09:56	09/29/21 16:03	7440-22-4	
Thallium	ND	ug/L	10.0	5.3	1	09/27/21 09:56	09/29/21 16:03	7440-28-0	
Zinc	ND	ug/L	20.0	8.6	1	09/27/21 09:56	09/29/21 16:03	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	09/29/21 12:44	09/29/21 18:13	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	0.99	0.59	1	09/21/21 12:26	09/22/21 16:08	88-06-2	1c
2,4-Dichlorophenol	ND	ug/L	0.99	0.60	1	09/21/21 12:26	09/22/21 16:08	120-83-2	1c
2-Chlorophenol	ND	ug/L	0.99	0.58	1	09/21/21 12:26	09/22/21 16:08	95-57-8	1c
4-Chloro-3-methylphenol	ND	ug/L	0.99	0.63	1	09/21/21 12:26	09/22/21 16:08	59-50-7	1c
Naphthalene	ND	ug/L	0.99	0.66	1	09/21/21 12:26	09/22/21 16:08	91-20-3	1c
Pentachlorophenol	ND	ug/L	2.5	1.5	1	09/21/21 12:26	09/22/21 16:08	87-86-5	1c
Surrogates									
Nitrobenzene-d5 (S)	91	%.	15-104		1	09/21/21 12:26	09/22/21 16:08	4165-60-0	
2-Fluorobiphenyl (S)	66	%.	14-113		1	09/21/21 12:26	09/22/21 16:08	321-60-8	
Terphenyl-d14 (S)	90	%.	26-159		1	09/21/21 12:26	09/22/21 16:08	1718-51-0	
Phenol-d6 (S)	33	%.	10-48		1	09/21/21 12:26	09/22/21 16:08	13127-88-3	
2-Fluorophenol (S)	50	%.	10-66		1	09/21/21 12:26	09/22/21 16:08	367-12-4	
2,4,6-Tribromophenol (S)	99	%.	24-131		1	09/21/21 12:26	09/22/21 16:08	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid - Gloversville

Pace Project No.: 30440841

Sample: System Effluent **Lab ID:** 30440841001 **Collected:** 09/15/21 12:00 **Received:** 09/16/21 09:50 **Matrix:** Water
Composite 0921

Comments: • Hexavalent Chromium was not field filtered.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Chromium, Hexavalent	Analytical Method: SM 3500-CrB-2011 Pace Analytical Services - Greensburg								
Chromium, Hexavalent	ND	mg/L	0.010	0.0054	1		09/16/21 11:41	18540-29-9	2c

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30440841

QC Batch:	227249	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: 30440841001

METHOD BLANK: 1146108 Matrix: Water
Associated Lab Samples: 30440841001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.10	09/29/21 18:00	

LABORATORY CONTROL SAMPLE: 1146109

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	0.90	90	85-115	

MATRIX SPIKE SAMPLE: 1146110

Parameter	Units	70188094001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	1.1	109	70-130	

MATRIX SPIKE SAMPLE: 1146112

Parameter	Units	70188130001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	1.2	98	70-130	

SAMPLE DUPLICATE: 1146111

Parameter	Units	70188094001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	<0.20	ND		20	

SAMPLE DUPLICATE: 1146113

Parameter	Units	70188130001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	<0.20	.18J		20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30440841

QC Batch:	227093	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: 30440841001

METHOD BLANK: 1145316 Matrix: Water
Associated Lab Samples: 30440841001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	ND	60.0	20.8	09/29/21 14:38	
Arsenic	ug/L	ND	10.0	5.3	09/29/21 14:38	
Cadmium	ug/L	ND	2.5	0.31	09/29/21 14:38	
Chromium	ug/L	ND	10.0	1.1	09/29/21 14:38	
Copper	ug/L	ND	25.0	3.7	09/29/21 14:38	
Lead	ug/L	ND	5.0	2.2	09/29/21 14:38	
Nickel	ug/L	ND	40.0	4.4	09/29/21 14:38	
Selenium	ug/L	ND	10.0	7.1	09/29/21 14:38	
Silver	ug/L	ND	10.0	1.2	09/29/21 14:38	
Thallium	ug/L	ND	10.0	5.3	09/29/21 14:38	
Zinc	ug/L	ND	20.0	8.6	09/29/21 14:38	

LABORATORY CONTROL SAMPLE: 1145317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	1000	975	98	85-115	
Arsenic	ug/L	500	487	97	85-115	
Cadmium	ug/L	500	497	99	85-115	
Chromium	ug/L	500	485	97	85-115	
Copper	ug/L	500	493	99	85-115	
Lead	ug/L	500	497	99	85-115	
Nickel	ug/L	500	495	99	85-115	
Selenium	ug/L	500	489	98	85-115	
Silver	ug/L	250	243	97	85-115	
Thallium	ug/L	250	248	99	85-115	
Zinc	ug/L	500	499	100	85-115	

MATRIX SPIKE SAMPLE: 1145319

Parameter	Units	70187484002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	<60.0	1000	1000	100	70-130	
Arsenic	ug/L	<10.0	500	508	102	70-130	
Cadmium	ug/L	<2.5	500	499	100	70-130	
Chromium	ug/L	<10.0	500	497	99	70-130	
Copper	ug/L	<25.0	500	506	99	70-130	
Lead	ug/L	<5.0	500	474	95	70-130	
Nickel	ug/L	<40.0	500	503	100	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30440841

MATRIX SPIKE SAMPLE:		1145319					
Parameter	Units	70187484002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Selenium	ug/L	<10.0	500	497	99	70-130	
Silver	ug/L	<10.0	250	177	70	70-130	
Thallium	ug/L	<10.0	250	259	103	70-130	
Zinc	ug/L	35.5	500	540	101	70-130	

MATRIX SPIKE SAMPLE:		1145321					
Parameter	Units	70187836002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	<60.0	1000	990	99	70-130	
Arsenic	ug/L	<10.0	500	494	99	70-130	
Cadmium	ug/L	<2.5	500	495	99	70-130	
Chromium	ug/L	<10.0	500	492	98	70-130	
Copper	ug/L	<25.0	500	501	99	70-130	
Lead	ug/L	<5.0	500	470	94	70-130	
Nickel	ug/L	<40.0	500	501	99	70-130	
Selenium	ug/L	<10.0	500	492	98	70-130	
Silver	ug/L	<10.0	250	174	69	70-130 M1	
Thallium	ug/L	<10.0	250	256	102	70-130	
Zinc	ug/L	21.5	500	521	100	70-130	

SAMPLE DUPLICATE: 1145318

Parameter	Units	70187484002 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	<60.0	ND		20	
Arsenic	ug/L	<10.0	ND		20	
Cadmium	ug/L	<2.5	ND		20	
Chromium	ug/L	<10.0	ND		20	
Copper	ug/L	<25.0	9.8J		20	
Lead	ug/L	<5.0	ND		20	
Nickel	ug/L	<40.0	5.8J		20	
Selenium	ug/L	<10.0	ND		20	
Silver	ug/L	<10.0	ND		20	
Thallium	ug/L	<10.0	ND		20	
Zinc	ug/L	35.5	34.7	2	20	

SAMPLE DUPLICATE: 1145320

Parameter	Units	70187836002 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	<60.0	ND		20	
Arsenic	ug/L	<10.0	ND		20	
Cadmium	ug/L	<2.5	ND		20	
Chromium	ug/L	<10.0	ND		20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30440841

SAMPLE DUPLICATE: 1145320

Parameter	Units	70187836002 Result	Dup Result	RPD	Max RPD	Qualifiers
Copper	ug/L	<25.0	5.6J		20	
Lead	ug/L	<5.0	ND		20	
Nickel	ug/L	<40.0	6.2J		20	
Selenium	ug/L	<10.0	ND		20	
Silver	ug/L	<10.0	ND		20	
Thallium	ug/L	<10.0	ND		20	
Zinc	ug/L	21.5	21.7	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30440841

QC Batch:	464657	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: 30440841001

METHOD BLANK: 2243746 Matrix: Water
Associated Lab Samples: 30440841001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aldrin	ug/L	ND	0.025	0.0078	09/21/21 12:16	
alpha-BHC	ug/L	ND	0.025	0.0086	09/21/21 12:16	
beta-BHC	ug/L	ND	0.025	0.015	09/21/21 12:16	
delta-BHC	ug/L	ND	0.025	0.018	09/21/21 12:16	
gamma-BHC (Lindane)	ug/L	ND	0.025	0.014	09/21/21 12:16	
Decachlorobiphenyl (S)	%	59	10-113		09/21/21 12:16	CH
Tetrachloro-m-xylene (S)	%	72	21-100		09/21/21 12:16	

LABORATORY CONTROL SAMPLE: 2243747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aldrin	ug/L	0.2	0.16	80	54-130	
alpha-BHC	ug/L	0.2	0.15	76	49-130	
beta-BHC	ug/L	0.2	0.15	74	39-130	
delta-BHC	ug/L	0.2	0.16	82	51-130	
gamma-BHC (Lindane)	ug/L	0.2	0.16	79	43-130	
Decachlorobiphenyl (S)	%			74	10-113	CH
Tetrachloro-m-xylene (S)	%			76	21-100	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30440841

QC Batch: 464817	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: 30440841001

METHOD BLANK: 2244552 Matrix: Water
Associated Lab Samples: 30440841001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,6-Trichlorophenol	ug/L	ND	1.0	0.59	09/21/21 16:32	
2,4-Dichlorophenol	ug/L	ND	1.0	0.61	09/21/21 16:32	
2-Chlorophenol	ug/L	ND	1.0	0.59	09/21/21 16:32	
4-Chloro-3-methylphenol	ug/L	ND	1.0	0.63	09/21/21 16:32	
Naphthalene	ug/L	ND	1.0	0.67	09/21/21 16:32	
Pentachlorophenol	ug/L	ND	2.5	1.5	09/21/21 16:32	
2,4,6-Tribromophenol (S)	%	78	24-131		09/21/21 16:32	
2-Fluorobiphenyl (S)	%	82	14-113		09/21/21 16:32	
2-Fluorophenol (S)	%	53	10-66		09/21/21 16:32	
Nitrobenzene-d5 (S)	%	81	15-104		09/21/21 16:32	
Phenol-d6 (S)	%	34	10-48		09/21/21 16:32	
Terphenyl-d14 (S)	%	94	26-159		09/21/21 16:32	

LABORATORY CONTROL SAMPLE: 2244553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Trichlorophenol	ug/L	10	9.8	98	52-119	
2,4-Dichlorophenol	ug/L	10	9.4	94	53-122	
2-Chlorophenol	ug/L	10	9.2	92	36-120	
4-Chloro-3-methylphenol	ug/L	10	10.6	106	41-128	
Naphthalene	ug/L	10	8.7	87	36-120	
Pentachlorophenol	ug/L	10	11.9	119	38-152	
2,4,6-Tribromophenol (S)	%			96	24-131	
2-Fluorobiphenyl (S)	%			82	14-113	
2-Fluorophenol (S)	%			55	10-66	
Nitrobenzene-d5 (S)	%			88	15-104	
Phenol-d6 (S)	%			36	10-48	
Terphenyl-d14 (S)	%			88	26-159	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30440841

QC Batch: 464377

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: 30440841001

METHOD BLANK: 2242054

Matrix: Water

Associated Lab Samples: 30440841001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	ND	0.010	0.0054	09/16/21 11:39	2c

LABORATORY CONTROL SAMPLE & LCSD: 2242055

2242098

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	mg/L	0.25	0.23	0.24	93	95	85-115	2	20	2c

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: National Grid - Gloversville
Pace Project No.: 30440841

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: 464377
[1] Due to limited volume for MS/MSD, LCSD was analyzed
Batch: 464657
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 464817
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1c A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
2c Due to limited volume for MS/MSD, LCSD was analyzed
CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
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.: 30440841

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30440841001	System Effluent Composite 0921	EPA 608.3 Dec 2016	464657	EPA 608.3 Dec 2016	464771
30440841001	System Effluent Composite 0921	EPA 200.7	227093	EPA 200.7	227212
30440841001	System Effluent Composite 0921	EPA 245.1	227249	EPA 245.1	227545
30440841001	System Effluent Composite 0921	EPA 625.1 Dec 2016	464817	EPA 625.1 Dec 2016	464943
30440841001	System Effluent Composite 0921	SM 3500-CrB-2011	464377		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

W0#: 30440841



30440841

Section A

Required Client Information:
 Company: GES - Syracuse
 Address: 6780 Northern Blvd, Suite 100
 East Syracuse, New York 13057
 Email To: dshay@gesonline.com
 Phone: 800.220.3069 Fax: None
 Requested Due Date/TAT: Standard

Section B

Required Project Information:
 Report To: Devin Shay (GES)
 dshay@gesonline.com
 Report To: Tim Beaumont (GES)
 tbeaumont@gesonline.com
 Purchase Order No.:
 Project Name: National Grid - Gloversville
 Former MGP Site, Gloversville, NY
 Project Number:
 0603275-120760-221-1106

Section C

Invoice Information:
 Attention: Accounts Payable via email at ges-invoices@gesonline.com
 Company Name: Groundwater & Environmental Services, Inc.
 Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057
 Pace Quote Reference:
 Pace Project Manager: Rachel Christner

Section D Required Client Information

SAMPLE ID
 One Character per box.
 (A-Z, 0-9 / -)
 Samples IDs MUST BE UNIQUE

ITEM #	MATRIX	CODE	SAMPLE TYPE	MATRIX CODE	COMPOSITE START	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives	Requested Analysis:	Filtered (Y/N)	LOCATION	SITE	Pace Project Number	Lab ID:
1	GROUNDWATER	DW	C=COMP	WT		9/14/11	12:00	9/14/11	12:00		9	Unpreserved	Adm + BHC (609) Phenols, Total Chlorinated (625) Metals (200.7 & 245.1) Chromium, Hex (3500 CRD)					
2	WATER	WV																
3	WATER	WP																
4	PRODUCT	P																
5	SOIL	SL																
6	SOIL	SP																
7	WASTE	AW																
8	WASTE	WP																
9	WASTE	WP																
10	WASTE	WP																
11	WASTE	WP																
12	WASTE	WP																

Additional Comments:

SAMPLES WILL ARRIVE IN 1 COOLERS.

Please send reports to: dshay@gesonline.com, tbeaumont@gesonline.com

Region@gesonline.com, ges@equisonline.com

Page 22 of 23

SPECIFIC EDD NAME:

System Effluent Composite 0921

---END OF RECORD---

RELINQUISHED BY / AFFILIATION **DATE** **TIME** **ACCEPTED BY / AFFILIATION** **DATE** **TIME** **SAMPLE CONDITIONS**

[Signature] 9/15/11 12:30 *[Signature]* 9/15/11 12:30

SAMPLER NAME AND SIGNATURE
 PRINT NAME OF SAMPLER: *[Signature]*
 SIGNATURE OF SAMPLER: *[Signature]*

E-File: \ALLO020rev.3.31Mar05\ 13Jun2005

Pittsburgh Lab Sample Condition Upon Receipt



Client Name:

GES Syracuse

Project #

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

Tracking #: 9245 29640728

Label <u>MC</u>
LIMS Login <u>PM</u>

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

Thermometer Used 13 Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temperature Observed Temp 4.6 °C Correction Factor: -0.1 °C Final Temp: 4.5 °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>1000411</u>	<u>MC 9-16-21</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>MC</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 checked="" 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>MC</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>MC</u>	Date: <u>9-16-21</u> 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#: 30440841

PM: RDC Due Date: 09/30/21
CLIENT: GES-Syracuse

[illegible]

Owner Received Date: 9/16/2021 **Results Requested By:** 9/30/2021

Owner Received Date: 9/16/2021 **Results Requested By:** 9/30/2021

Requested Analysis

Owner Received Date: 9/16/2021 **Results Requested By:** 9/30/2021

Requested Analysis

Pace Analytical Melville
575 Broad Hollow Road
Melville, NY 11747
Phone (631)694-3040

Comments

NY Category B Package

Samples Intact ☒ 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.



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

WO#: 30440841
WO#: 70188042

PM: NML

Due Date: 09/30/21

CLIENT: PACE-PA

Section A

Required Client Information:

Company: GES - Syracuse

Report To: Devin Shay (GES)

dshay@gesonline.com

Report To: Tim Beaumont (GES)

tbeaumont@gesonline.com

Address: 6780 Northern BLVD, Suite 100

East Syracuse, New York 13057

Email To: dshay@gesonline.com

Phone: 800.220.3069 Fax: None

Project Name: National Grid - Gloversville

Former MGP Site, Gloversville, NY

Project Number: 1

Requested Due Date/TAT: Standard

0903275-120780-221-1106

Section B

Required Project Information:

Report To: Devin Shay (GES)

dshay@gesonline.com

Report To: Tim Beaumont (GES)

tbeaumont@gesonline.com

Address: 6780 Northern BLVD, Suite 100

East Syracuse, New York 13057

Email To: dshay@gesonline.com

Phone: 800.220.3069 Fax: None

Project Name: National Grid - Gloversville

Former MGP Site, Gloversville, NY

Project Number: 1

Requested Due Date/TAT: Standard

0903275-120780-221-1106

Section C

Invoice Information:

Attention: Accounts Payable via email at gas-invoices@gesonline.com

Company Name: Groundwater & Environmental Services, Inc.

Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057

Pace Quote Reference:

Pace Project Manager: Rachel Chrisher

Pace Profile #: Semi-Annual System Sampling-Composite

Project Name: National Grid - Gloversville

Former MGP Site, Gloversville, NY

Project Number: 1

Requested Due Date/TAT: Standard

0903275-120780-221-1106

Section D

Required Client Information

SAMPLE ID

One Character per box.

(A-Z, 0-9 / -)

Samples IDs MUST BE UNIQUE

Visit Matrix Codes

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Additional Comments:

SAMPLES WILL ARRIVE IN

#

COOLERS.

1

Please send reports to: dshay@gesonline.com, tbeaumont@gesonline.com

NERRegion@gesonline.com, ges@equisonline.com

Specific EDD NAME:

NGGloversville-labnumber-28351.EQEDD.zip

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Section E

Required Project Information:

Report To: Devin Shay (GES)

dshay@gesonline.com

Report To: Tim Beaumont (GES)

tbeaumont@gesonline.com

Address: 6780 Northern BLVD, Suite 100

East Syracuse, New York 13057

Email To: dshay@gesonline.com

Phone: 800.220.3069 Fax: None

Project Name: National Grid - Gloversville

Former MGP Site, Gloversville, NY

Project Number: 1

Requested Due Date/TAT: Standard

0903275-120780-221-1106

Visit Matrix Codes

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Section F

Required Project Information:

Report To: Devin Shay (GES)

dshay@gesonline.com

Report To: Tim Beaumont (GES)

tbeaumont@gesonline.com

Address: 6780 Northern BLVD, Suite 100

East Syracuse, New York 13057

Email To: dshay@gesonline.com

Phone: 800.220.3069 Fax: None

Project Name: National Grid - Gloversville

Former MGP Site, Gloversville, NY

Project Number: 1

Requested Due Date/TAT: Standard

0903275-120780-221-1106

Visit Matrix Codes

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Section G

Required Project Information:

Report To: Devin Shay (GES)

dshay@gesonline.com

Report To: Tim Beaumont (GES)

tbeaumont@gesonline.com

Address: 6780 Northern BLVD, Suite 100

East Syracuse, New York 13057

Email To: dshay@gesonline.com

Phone: 800.220.3069 Fax: None

Project Name: National Grid - Gloversville

Former MGP Site, Gloversville, NY

Project Number: 1

Requested Due Date/TAT: Standard

0903275-120780-221-1106

Visit Matrix Codes

Matrix Codes

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Pittsburgh Lab Sample Condition Upon Receipt



Client Name:

GES Syracuse

Project #

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

Tracking #: 9245 2964 0728

Label	MC
LIMS Login	MC

Custody Sealed on Cooler/Box Present: ☐ yes ☒ no Seals Intact: ☐ yes ☒ no

Thermometer Used 13 Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temperature Observed Temp 4.6 °C Correction Factor: -0.1 °C Final Temp: 4.5 °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"/>	1000111	MA 9-10-21
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: MC					
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 checked="" 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 MC	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 MC	Date: 9-10-21 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#: 30440841

PM: RDC

Due Date: 09/30/21

CLIENT: GES-Syracuse



Sample Condition Upon Receipt

WO#: 70188042

Client Name:

PACE-PA

Project

PM: NML

Due Date: 09/30/21

CLIENT: PACE-PA

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

Tracking #: 9242 2964 6777

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☒ Yes ☐ NoPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Thermometer Used: TH091

Correction Factor: +0.0

Cooler Temperature(°C): 2.3

Cooler Temperature Corrected(°C): 2.3

Temperature Blank Present: ☐ Yes ☒ NoType of Ice: ☒ Ice ☐ Blue ☐ None☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: MN 9/20/21

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 ☐ Noincluding 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		
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11. 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. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # HC155968				Sample #
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	
(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. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				
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 #				
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 01, 2021

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

RE: Project: National Grid - Gloversville
Pace Project No.: 30441463

Dear Mr. Shay:

Enclosed are the analytical results for sample(s) received by the laboratory on September 20, 2021. 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.

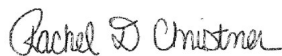
The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- 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,



Rachel Christner
rachel.christner@pacelabs.com
724-850-5611
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

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: National Grid - Gloversville

Pace Project No.: 30441463

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 #: 9526

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.: 30441463

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30441463001	System Effluent Grab 0921	Water	09/15/21 12:15	09/20/21 09:50
30441463002	Trip Blank	Water	09/15/21 00:00	09/20/21 09:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: National Grid - Gloversville

Pace Project No.: 30441463

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30441463001	System Effluent Grab 0921	EPA 625.1 Dec 2016	EAC	7	PASI-PA
		EPA 624.1 Dec 2016	LEL	10	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		SM 4500H+B-2011	DRK	1	PASI-PA
		SM 4500CN-E-2011	PAS	1	PASI-PA
30441463002	Trip Blank	EPA 624.1 Dec 2016	LEL	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.: 30441463

Method: EPA 625.1 Dec 2016

Description: 625.1 Reduced Volume

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

Date: October 01, 2021

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.

QC Batch: 464817

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 464817

1c: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- System Effluent Grab 0921 (Lab ID: 30441463001)
- Pentachlorophenol

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30441463

Method: EPA 624.1 Dec 2016

Description: 624.1 Volatile Organics

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

Date: October 01, 2021

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.: 30441463

Method: EPA 1664A

Description: HEM, Oil and Grease

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

Date: October 01, 2021

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.

QC Batch: 465833

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30441470002

ML: Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

- MSD (Lab ID: 2249332)
- Oil and Grease

Additional Comments:

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30441463

Method: SM 4500H+B-2011

Description: 4500H+ pH, Electrometric

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

Date: October 01, 2021

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 0921 (Lab ID: 30441463001)

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

- System Effluent Grab 0921 (Lab ID: 30441463001)

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.: 30441463

Method: SM 4500CN-E-2011

Description: 4500-CN-E Cyanide, Total

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

Date: October 01, 2021

General Information:

1 sample was analyzed for SM 4500CN-E-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.

Sample Preparation:

The samples were prepared in accordance with SM 4500-CN-C-2011 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: 465209

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30441610002

ML: Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

- MS (Lab ID: 2246489)
 - Cyanide
- MSD (Lab ID: 2246490)
 - 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.: 30441463

Sample: System Effluent Grab 0921 Lab ID: 30441463001 Collected: 09/15/21 12:15 Received: 09/20/21 09:50 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	09/21/21 12:26	09/22/21 15:07	87-86-5	1c
Surrogates									
Nitrobenzene-d5 (S)	81	%	15-104		1	09/21/21 12:26	09/22/21 15:07	4165-60-0	
2-Fluorobiphenyl (S)	64	%	14-113		1	09/21/21 12:26	09/22/21 15:07	321-60-8	
Terphenyl-d14 (S)	83	%	26-159		1	09/21/21 12:26	09/22/21 15:07	1718-51-0	
Phenol-d6 (S)	32	%	10-48		1	09/21/21 12:26	09/22/21 15:07	13127-88-3	
2-Fluorophenol (S)	48	%	10-66		1	09/21/21 12:26	09/22/21 15:07	367-12-4	
2,4,6-Tribromophenol (S)	88	%	24-131		1	09/21/21 12:26	09/22/21 15:07	118-79-6	
624.1 Volatile Organics Analytical Method: EPA 624.1 Dec 2016 Pace Analytical Services - Greensburg									
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.24	1		09/29/21 20:59	79-34-5	
Benzene	ND	ug/L	1.0	0.41	1		09/29/21 20:59	71-43-2	
Chloroform	ND	ug/L	1.0	0.47	1		09/29/21 20:59	67-66-3	
Ethylbenzene	ND	ug/L	1.0	0.31	1		09/29/21 20:59	100-41-4	
Tetrachloroethene	ND	ug/L	1.0	0.30	1		09/29/21 20:59	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		09/29/21 20:59	108-88-3	
Surrogates									
4-Bromofluorobenzene (S)	111	%	80-120		1		09/29/21 20:59	460-00-4	
Toluene-d8 (S)	104	%	80-120		1		09/29/21 20:59	2037-26-5	
1,2-Dichloroethane-d4 (S)	91	%	80-120		1		09/29/21 20:59	17060-07-0	
Dibromofluoromethane (S)	92	%	80-120		1		09/29/21 20:59	1868-53-7	
HEM, Oil and Grease Analytical Method: EPA 1664A Pace Analytical Services - Greensburg									
Oil and Grease	ND	mg/L	5.0	0.97	1		09/29/21 09:32		
4500H+ pH, Electrometric Analytical Method: SM 4500H+B-2011 Pace Analytical Services - Greensburg									
pH at 25 Degrees C	7.5	Std. Units	2.0	2.0	1		09/21/21 19:18		H3,H6
4500-CN-E Cyanide, Total Analytical Method: SM 4500CN-E-2011 Preparation Method: SM 4500-CN-C-2011 Pace Analytical Services - Greensburg									
Cyanide	0.014	mg/L	0.010	0.0082	1	09/22/21 20:53	09/22/21 21:28	57-12-5	

Sample: Trip Blank Lab ID: 30441463002 Collected: 09/15/21 00:00 Received: 09/20/21 09:50 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									
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.24	1		09/29/21 20:34	79-34-5	
Benzene	ND	ug/L	1.0	0.41	1		09/29/21 20:34	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid - Gloversville

Pace Project No.: 30441463

Sample: Trip Blank		Lab ID: 30441463002		Collected: 09/15/21 00:00		Received: 09/20/21 09:50		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							
Chloroform	ND	ug/L	1.0	0.47	1		09/29/21 20:34	67-66-3	
Ethylbenzene	ND	ug/L	1.0	0.31	1		09/29/21 20:34	100-41-4	
Tetrachloroethene	ND	ug/L	1.0	0.30	1		09/29/21 20:34	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		09/29/21 20:34	108-88-3	
Surrogates									
4-Bromofluorobenzene (S)	109	%.	80-120		1		09/29/21 20:34	460-00-4	
Toluene-d8 (S)	106	%.	80-120		1		09/29/21 20:34	2037-26-5	
1,2-Dichloroethane-d4 (S)	90	%.	80-120		1		09/29/21 20:34	17060-07-0	
Dibromofluoromethane (S)	92	%.	80-120		1		09/29/21 20:34	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30441463

QC Batch: 466103

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: 30441463001, 30441463002

METHOD BLANK: 2250883

Matrix: Water

Associated Lab Samples: 30441463001, 30441463002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.24	09/29/21 20:09	
Benzene	ug/L	ND	1.0	0.41	09/29/21 20:09	
Chloroform	ug/L	ND	1.0	0.47	09/29/21 20:09	
Ethylbenzene	ug/L	ND	1.0	0.31	09/29/21 20:09	
Tetrachloroethene	ug/L	ND	1.0	0.30	09/29/21 20:09	
Toluene	ug/L	ND	1.0	0.24	09/29/21 20:09	
1,2-Dichloroethane-d4 (S)	%	90	80-120		09/29/21 20:09	
4-Bromofluorobenzene (S)	%	111	80-120		09/29/21 20:09	
Dibromofluoromethane (S)	%	92	80-120		09/29/21 20:09	
Toluene-d8 (S)	%	103	80-120		09/29/21 20:09	

LABORATORY CONTROL SAMPLE: 2250884

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	60-140	
Benzene	ug/L	20	18.1	90	65-135	
Chloroform	ug/L	20	16.2	81	70-135	
Ethylbenzene	ug/L	20	20.7	103	60-140	
Tetrachloroethene	ug/L	20	18.7	93	70-130	
Toluene	ug/L	20	20.1	101	70-130	
1,2-Dichloroethane-d4 (S)	%			92	80-120	
4-Bromofluorobenzene (S)	%			110	80-120	
Dibromofluoromethane (S)	%			90	80-120	
Toluene-d8 (S)	%			103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2250885 2250886

Parameter	Units	30441463001 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	ND	20	20	20.0	18.5	100	93	46-157	8	61	H1
Benzene	ug/L	ND	20	20	18.0	17.8	90	89	37-151	1	61	H1
Chloroform	ug/L	ND	20	20	15.9	15.9	80	80	51-138	0	54	H1
Ethylbenzene	ug/L	ND	20	20	19.6	19.9	98	100	37-162	2	63	H1
Tetrachloroethene	ug/L	ND	20	20	19.2	18.9	96	94	64-148	2	39	H1
Toluene	ug/L	ND	20	20	19.4	19.3	95	95	47-150	1	41	H1
1,2-Dichloroethane-d4 (S)	%						93	96	80-120			
4-Bromofluorobenzene (S)	%						108	105	80-120			

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30441463

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
2250885					2250886							
		30441463001	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Parameter	Units	Result										
Dibromofluoromethane (S)	%.						102	102	80-120			
Toluene-d8 (S)	%.						107	106	80-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30441463

QC Batch: 464817

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: 30441463001

METHOD BLANK: 2244552

Matrix: Water

Associated Lab Samples: 30441463001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Pentachlorophenol	ug/L	ND	2.5	1.5	09/21/21 16:32	
2,4,6-Tribromophenol (S)	%.	78	24-131		09/21/21 16:32	
2-Fluorobiphenyl (S)	%.	82	14-113		09/21/21 16:32	
2-Fluorophenol (S)	%.	53	10-66		09/21/21 16:32	
Nitrobenzene-d5 (S)	%.	81	15-104		09/21/21 16:32	
Phenol-d6 (S)	%.	34	10-48		09/21/21 16:32	
Terphenyl-d14 (S)	%.	94	26-159		09/21/21 16:32	

LABORATORY CONTROL SAMPLE: 2244553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pentachlorophenol	ug/L	10	11.9	119	38-152	
2,4,6-Tribromophenol (S)	%.			96	24-131	
2-Fluorobiphenyl (S)	%.			82	14-113	
2-Fluorophenol (S)	%.			55	10-66	
Nitrobenzene-d5 (S)	%.			88	15-104	
Phenol-d6 (S)	%.			36	10-48	
Terphenyl-d14 (S)	%.			88	26-159	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30441463

QC Batch:	465833	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 30441463001

METHOD BLANK: 2249329 Matrix: Water

Associated Lab Samples: 30441463001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	0.97	09/29/21 09:27	

LABORATORY CONTROL SAMPLE: 2249330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	38.2	96	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2249331 2249332

Parameter	Units	30441470002 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	5.0 U	40	40	36.9	31.1	92	77	78-114	17	18	ML

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30441463

QC Batch: 464994

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: 30441463001

SAMPLE DUPLICATE: 2245384

Parameter	Units	30441463001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	10	H3,H6

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30441463

QC Batch:	465209	Analysis Method:	SM 4500CN-E-2011
QC Batch Method:	SM 4500-CN-C-2011	Analysis Description:	4500-CN-E Cyanide, Total
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 30441463001

METHOD BLANK: 2246485 Matrix: Water
Associated Lab Samples: 30441463001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.010	0.0082	09/22/21 21:19	

METHOD BLANK: 2246486 Matrix: Water
Associated Lab Samples: 30441463001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.010	0.0082	09/22/21 21:21	

METHOD BLANK: 2246487 Matrix: Water
Associated Lab Samples: 30441463001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.010	0.0082	09/22/21 21:23	

LABORATORY CONTROL SAMPLE: 2246488

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.2	0.19	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2246489 2246490

Parameter	Units	30441610002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.032	0.1	0.1	0.078	0.074	46	42	90-110	6	20 ML	

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QUALIFIERS

Project: National Grid - Gloversville
Pace Project No.: 30441463

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: 464817

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1c A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
H1 Analysis conducted outside the EPA method holding time.
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.
ML Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: National Grid - Gloversville

Pace Project No.: 30441463

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30441463001	System Effluent Grab 0921	EPA 625.1 Dec 2016	464817	EPA 625.1 Dec 2016	464943
30441463001	System Effluent Grab 0921	EPA 624.1 Dec 2016	466103		
30441463002	Trip Blank	EPA 624.1 Dec 2016	466103		
30441463001	System Effluent Grab 0921	EPA 1664A	465833		
30441463001	System Effluent Grab 0921	SM 4500H+B-2011	464994		
30441463001	System Effluent Grab 0921	SM 4500-CN-C-2011	465209	SM 4500CN-E-2011	465214

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be

WO#: 30441463



Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: GES - Syracuse		Report To: Devin Shay (GES) dsbay@gesonline.com		Attention: Accounts Payable via email at ges-invoices@gesonline.com	
Address: 6780 Northern Blvd, Suite 100 East Syracuse, New York 13057		Report To: Tim Beaumont (GES) tbeaumont@gesonline.com		Company Name: Groundwater & Environmental Services, Inc.	
Email To: dsbay@gesonline.com		Purchase Order No.:		Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057	
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: 0603275-120780-221-1106		Pace Profile #: Semi-Annual System Sampling-Grab	
Section D Required Client Information		Section E Valid Matrix Codes		Section F Requested Analysis:	
SAMPLE ID One Character per box. (A-Z, 0-9 / -) Samples IDs MUST BE UNIQUE		MATRIX CODE DW DRINKING WATER WATER WASTE WATER PRODUCT SOLID WASTE AIR TISSUE		Requested Analysis: Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ SO ₄ Methanol Other	
ITEM #		SAMPLE TYPE G=COMP G=GRAB		Preservatives	
1		WT		Unpreserved	
2		WT		H ₂ SO ₄	
3		WT		HNO ₃	
4		WT		HCl	
5		WT		NaOH	
6		WT		Na ₂ SO ₄	
7		WT		Methanol	
8		WT		Other	
9		WT		Other	
10		WT		Other	
11		WT		Other	
Additional Comments:		COOLERS.		Pace Project Number Lab ID:	
SAMPLES WILL ARRIVE IN		#		001	
Please send reports to: dsbay@gesonline.com, tbeaumont@gesonline.com		NERegion@gesonline.com, ges@equisonline.com		002	
SPECIFIC EDO NAME:		28351.EQEDD.zip		Pace Project Number Lab ID:	
of 34				003	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
[Signature]	9/16/11	12:30	[Signature]	9/20/11	09:50	Temp in °C 5.6
						Received on ice
						Custody Sealed Cooler
						Samples Intact

SAMPLER NAME AND SIGNATURE	
PRINT NAME (SAMPLER)	[Signature]
SIGNATURE OF SAMPLER	[Signature]
DATE SIGNED (MM/DD/YY)	



P WO#: 30441463

ner Count

PM: RDC Due Date: 09/27/21
CLIENT: GES-Syracuse

Client

GES-Syracuse

Profile Number

7144

Site

National Grid Glensville

Notes

Sample Line Item	Matrix	AG1H	AG1S	AG1T	AG2U	AG3S	AG3U	AG5U	AG5T	BG1U	BG2U	BP1N	BP1U	BP2S	BP2U	BP3C	BP3N	BP3S	BP3U	DG9S	GCUB	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC
1	M	3				1		3								1			2			2						
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

Container Codes

Glass	
GJN	1 Gallon Jug with HNO3
AG5U	40mL amber glass unreserved
AG5T	100mL amber glass Na Thiosulfate
GJN	1 Gallon Jug
AG1S	1L amber glass H2SO4
AG1H	1L amber glass HCl
AG1T	1L amber glass Na Thiosulfate
BG1U	1L clear glass unreserved
AG3S	250mL amber glass H2SO4
AG3U	250mL amber glass unreserved
DG9S	40mL amber VOA vial H2SO4
VG9U	40mL clear VOA vial
VG9T	40mL clear VOA vial Na Thiosulfate
VG9H	40mL clear VOA vial HCl
JGFU	4oz amber wide jar
WGFU	4oz wide jar unreserved
BG2U	500mL clear glass unreserved
AG2U	500mL amber glass unreserved
WGKU	8oz wide jar unreserved

Plastic / Misc.	
GCUB	1 Gallon Cubitainer
12GN	1/2 Gallon Cubitainer
SP5T	120mL Coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unreserved
BP3C	250mL plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unreserved
EZI	5g Encore
VOAK	Kit for Volatile Solid
I	Wipe/Swab
ZPLC	Ziploc Bag
WT	Water
SL	Solid
OL	Non-aqueous liquid
WP	Wipe

Client Name: GES

Project # _____

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____Tracking #: 9242291040706

Label <u>AF</u>
LIMS Login <u>VPine</u>

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ noThermometer Used 13 Type of Ice: Wet Blue NoneCooler Temperature Observed Temp 57 °C Correction Factor (-0.1) °C Final Temp: 5.6 °C

Temp should be above freezing to 6°C

pH paper Lot#

1000411Date and Initials of person examining contents: 09/27/21 AF

Comments:

Yes No N/A

Chain of Custody Present: ☒Chain of Custody Filled Out: ☒Chain of Custody Relinquished: ☒Sampler Name & Signature on COC: ☒Sample Labels match COC: ☒

-Includes date/time/ID

Matrix: WTSamples Arrived within Hold Time: ☒Short Hold Time Analysis (<72hr remaining): ☒Rush Turn Around Time Requested: ☒Sufficient Volume: ☒Correct Containers Used: ☒-Pace Containers Used: ☒Containers Intact: ☒Orthophosphate field filtered ☒Hex Cr Aqueous sample field filtered ☒Organic Samples checked for dechlorination: ☒Filtered volume received for Dissolved tests ☒All containers have been checked for preservation. ☒exceptions: VOA coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrixAll containers meet method preservation requirements. ☒Initial when completed AF

Date/time of preservation

Lot # of added preservative

Headspace in VOA Vials (>6mm): ☒Trip Blank Present: ☒Trip Blank Custody Seals Present ☒Rad Samples Screened < 0.5 mrem/hr ☒

Initial when completed:

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.

MO#: 30441463

PM: RDC
Due Date: 09/27/21
CLIENT: GES-Syracuse

October 1, 2021

Ms. Rachel Christner
Pace Analytical Services, Inc.
1638 Roseytown Road
Flex Building 2, Suites 2,3&4
Greensburg, PA 15601

Certificate of Analysis

Project Name:	Rachel - Routine Sample Submission	Workorder:	3202386
Purchase Order:	ASR-30441463	Workorder ID:	30441463

Dear Ms. Christner:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, September 22, 2021.

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 Ms. Sarah S 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 Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Emailed Reports

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



Ms. Sarah S Leung
Project Coordinator

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**SAMPLE SUMMARY**

Workorder: 3202386 30441463

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3202386001	30441463001	Waste Water	9/15/2021 12:15	9/22/2021 10:01	Collected by Client

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SAMPLE SUMMARY

Workorder: 3202386 30441463

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).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- 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 performed 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.

Standard Acronyms/Flags

C	Please reference the Project Summary section of this Certificate of Analysis for case narrative comments.
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)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
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

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ALS Environmental



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

PROJECT SUMMARY

Workorder: 3202386 30441463

Workorder Comments

Temperature of sample taken at time of sample receipt in the laboratory. See chain of custody for actual temperature.

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**ANALYTICAL RESULTS**

Workorder: 3202386 30441463

Lab ID: **3202386001**
Sample ID: **30441463001**Date Collected: 9/15/2021 12:15 Matrix: Waste Water
Date Received: 9/22/2021 10:01

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Phenolics	0.015	C	mg/L	0.005	EPA 420.4	9/29/21 09:40	MXF	9/29/21 12:32	MXF	A

Ms. Sarah S Leung
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3202386 30441463

Lab ID	Sample ID	Analysis Method	Prep Method	Leachate Method
3202386001	30441463001	EPA 420.4	420.4/9066	

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QUALITY CONTROL DATA

Workorder: 3202386 30441463

QC Batch: WCPR/55903 **Analysis Method:** EPA 420.4
QC Batch Method: 420.4/9066
Associated Lab Samples: 3202386001

MATRIX SPIKE: 3397879 DUPLICATE: 3397880 ORIGINAL: 3202103001

****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.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Phenolics	.01342	mg/L	.1	.11027	.11756	96.9	104	90 - 110	6.4	10

MATRIX SPIKE SAMPLE: 3397881 ORIGINAL: 3202473001

****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.

Parameter	Original Result	Units	Spike Conc.	MS Result	MS % Rec	% Rec Limit
Phenolics	.00195	mg/L	.1	.10093	99	90 - 110

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QUALITY CONTROL DATA

Workorder: 3202386 30441463

QC Batch: WETC/260833 **Analysis Method:** EPA 420.4

QC Batch Method: EPA 420.4

Associated Lab Samples:

METHOD BLANK: 3398692

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.0004	mg/L	

METHOD BLANK: 3398813

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.004	mg/L	

METHOD BLANK: 3398695

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.0005	mg/L	

METHOD BLANK: 3398697

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.001	mg/L	

METHOD BLANK: 3398699

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.0007	mg/L	

METHOD BLANK: 3398701

Parameter	Blank Result	Units	Reporting Limit

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QUALITY CONTROL DATA

Workorder: 3202386 30441463

Phenolics	0.0005	mg/L
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METHOD BLANK: 3398703

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.0006	mg/L	

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**Workorder: 3202386 30441463

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
3202386001	30441463001	420.4/9066	WCPR/55903	EPA 420.4	WETC/260833

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Chain of Custody

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



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



Subc 3202386

Request Date: 9/21/21
Shipped By: FedEx
Analysis Due Date: 10/4/2021

Certification Required: NY

Pace Project No.: 30441463
Report/Invoice to: Rachel Christner

Page 1 of 1

Pace Sample ID:	Matrix:	Collection Date:	Time:	Analysis Requested:	Analytical Method:	Preservative Type:
1	WT	9/15/21	12:15	Phenols	420.4	H2SO4
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
717-944-5541

Analysis Authorized By:

Rachel Christner

Manager
Title

Acceptance of Terms By:

Subcontract Lab Agent

Title

Relinquished By:

Chulanda 9/21/21 1700
(Signature & Affiliation) (Date) (Time)

Relinquished By:

VP FF
(Signature & Affiliation) (Date) (Time)

Comments:

Received By:

VP FF
(Signature & Affiliation)

Received By:

VP FF
(Signature & Affiliation)

(Date) (Time)

9/22/21 1601
(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.

40973

U:\Client Services\Analytical Services Request (ASR) (C015-3 4Mar18))



301 Fulling Mill Road
Middletown, PA 17057

P: (717) 944-55

F: (717) 944-14

3202386

Pace Analytical Services,
Inc. - PA

Condition of Sample Receipt Form

Client:

Initials:

Date:

VSB

9.22.21

1. Were airbills / tracking numbers present and recorded?..... NONE ☒ YES NO
Tracking number: 9242 2964 6910
2. Are Custody Seals on shipping containers intact?..... NONE ☒ YES NO
3. Are Custody Seals on sample containers intact?..... ☒ NONE YES NO
4. Is there a COC (Chain-of-Custody) present?..... ☒ YES NO
5. Are the COC and bottle labels complete, legible and in agreement?..... YES ☒ NO
- 5a. Does the COC contain sample locations?..... ☒ YES NO
- 5b. Does the COC contain date and time of sample collection for all samples?..... ☒ YES NO
- 5c. Does the COC contain sample collectors name?..... Client YES ☒ NO
- 5d. Does the COC note the type(s) of preservation for all bottles?..... ☒ YES NO
- 5e. Does the COC note the number of bottles submitted for each sample?..... 1 bottle YES ☒ NO
- 5f. Does the COC note the type of sample, composite or grab?..... YES ☒ NO
- 5g. Does the COC note the matrix of the sample(s)?..... ☒ YES NO
6. Are all aqueous samples requiring preservation preserved correctly?¹..... N/A ☒ YES NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?..... ☒ YES NO
8. Are all samples within holding times for the requested analyses?..... ☒ YES NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)..... ☒ YES NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?..... ☒ N/A YES NO
11. Were the samples received on ice?..... ☒ YES NO
12. Were sample temperatures measured at 0.0-6.0°C..... ☒ YES NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below..... YES ☒ NO
- 13a. Are the samples required for SDWA compliance reporting?..... ☒ N/A YES NO
- 13b. Did the client provide a SDWA PWS ID#?..... ☒ N/A YES NO
- 13c. Are all aqueous unpreserved SDWA samples pH 5-9?..... ☒ N/A YES NO
- 13d. Did the client provide the SDWA sample location ID/Description?..... ☒ N/A YES NO
- 13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?..... ☒ N/A YES NO

Cooler #: _____

Temperature (°C): 4 _____

Thermometer ID: 573 _____

Radiological (µCi): _____

COMMENTS (Required for all NO responses above and any sample non-conformance):

¹Final determination of correct preservation for analysis such as volatiles, microbiology, and oil and grease is made in the analytical department at the time of or following the analysis



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		
																									GPM	
2021	Days	Minutes	Total Minutes	Average	Average	Total	Average	Average	Total	Average	Average	Total	Average	Average	Total	Average	Average	Average	Average	Average	PH	'F	Average	Gallons		
	365	525600		76.74	22.11	11618199	25.22	3.68	-8066733	101.52	25.80	70.00	13866720	70.00	30.95	28.55	22.77	12.90	4.00	7.6	60.1	65.78	13398682	15615		
January	28	40320		76.80	21.55	868288	22.88	3.58	144070	99.68	25.13	70.00	1075255	70.00	27.25	24.75	20.00	10.25	4.00	7.5	56.1	66.58	1001614	1171		
February	28	40350		76.68	19.67	788866	26.18	3.19	128151	102.85	22.87	70.00	931499	70.00	30.50	28.50	23.25	11.75	4.00	7.6	52.0	66.55	906507	1059		
March	36	51960		76.10	20.27	1055219	26.45	3.91	204014	97.26	24.17	70.00	1271238	70.00	29.40	27.20	21.60	11.60	4.00	7.6	53.6	66.18	1236627	1445		
April	27	38940		76.63	20.86	807910	26.08	4.02	153820	102.70	24.88	70.00	973128	70.00	30.50	28.25	22.50	13.00	4.00	7.6	58.3	65.83	950842	1112		
May	27	38700		76.35	20.86	807616	24.85	3.67	142086	101.20	24.53	70.00	962549	70.00	31.00	28.50	23.50	11.25	4.00	7.6	61.3	65.53	936002	1089		
June	36	51630		77.40	21.59	1110450	24.54	3.56	182644	101.94	25.15	70.00	1325882	70.00	31.20	28.80	23.20	13.80	4.00	7.6	64.9	65.54	1280324	1486		
July	29	41910		78.05	22.51	942979	24.93	3.79	158313	102.98	26.30	70.00	1129174	70.00	31.50	29.00	23.00	14.00	4.00	7.4	65.0	65.75	1087751	1263		
August	33	47520		76.72	23.53	1116819	25.20	3.76	179010	101.92	27.30	70.00	1333547	70.00	32.20	30.20	23.40	14.00	4.00	7.4	66.1	65.34	1283968	1491		
September	28	40740		76.55	21.67	873059	25.58	3.35	134269	102.13	25.02	70.00	1033087	70.00	30.75	28.75	23.50	14.00	4.00	7.6	66.0	65.65	999379	1157		
October	29	41520		77.33	23.68	983896	26.03	3.67	152533	103.35	27.36	70.00	1161142	70.00	32.50	28.75	23.50	13.75	4.00	7.8	63.1	65.73	1123628	1312		
November	35	50250		75.98	24.78	1245096	25.78	3.79	190043	101.76	28.57	70.00	1464779	70.00	31.40	28.60	22.80	13.60	4.00	7.8	59.3	65.72	1420087	1658		
December	29	41760		76.28	24.37	1018005	24.15	3.94	-9835686	100.43	28.31	70.00	1205440	70.00	33.25	31.25	23.00	13.75	4.00	7.6	55.8	65.03	1171953	1372		