nationalgrid

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

November 12, 2020

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 January 1 to June 30, 2020.

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 2020. 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

2020 Semi-Annual OM&M Report

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

November 2020

Version 1

2020 Semi-Annual OM&M Report

National Grid Hill Street
20 Hill Street
Gloversville, NY 12078

Prepared for:
National Grid
300 Erie Boulevard West, C-1
Syracuse, NY 13202

Prepared by:
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057
TEL: 800-220-3069
www.gesonline.com

GES Project:
0603200.120780.221

Date:
November 12, 2020

Devin T. Shay, PG
Program Manager / Principal Hydrogeologist

Table of Contents

Figures

Tables

Appendices

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 January and June 2020. 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, respectfully.

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 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 oil/water separator (OWS) (T-400) [part of 2009 modifications]. Plastic media with significant surface area is utilized to separate Light Non Aqueous Phase Liquids (LNAPL) and Dense Non Aqueous Phase Liquids (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.
- An 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;
- Annual system and manhole cleaning.
- Annual treatment media changeout (GAC, anion resin, OrganoClay), conducted on March 10 – 12, 2020.

3.2 Analytical Results

On March 19, 2020, 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 report on March 30, 2020. 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 January 2020 through June 2020, the water treatment system treated and discharged approximately 9,781,000 gallons of water to the POTW sewer at an average flow of 32.75 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.

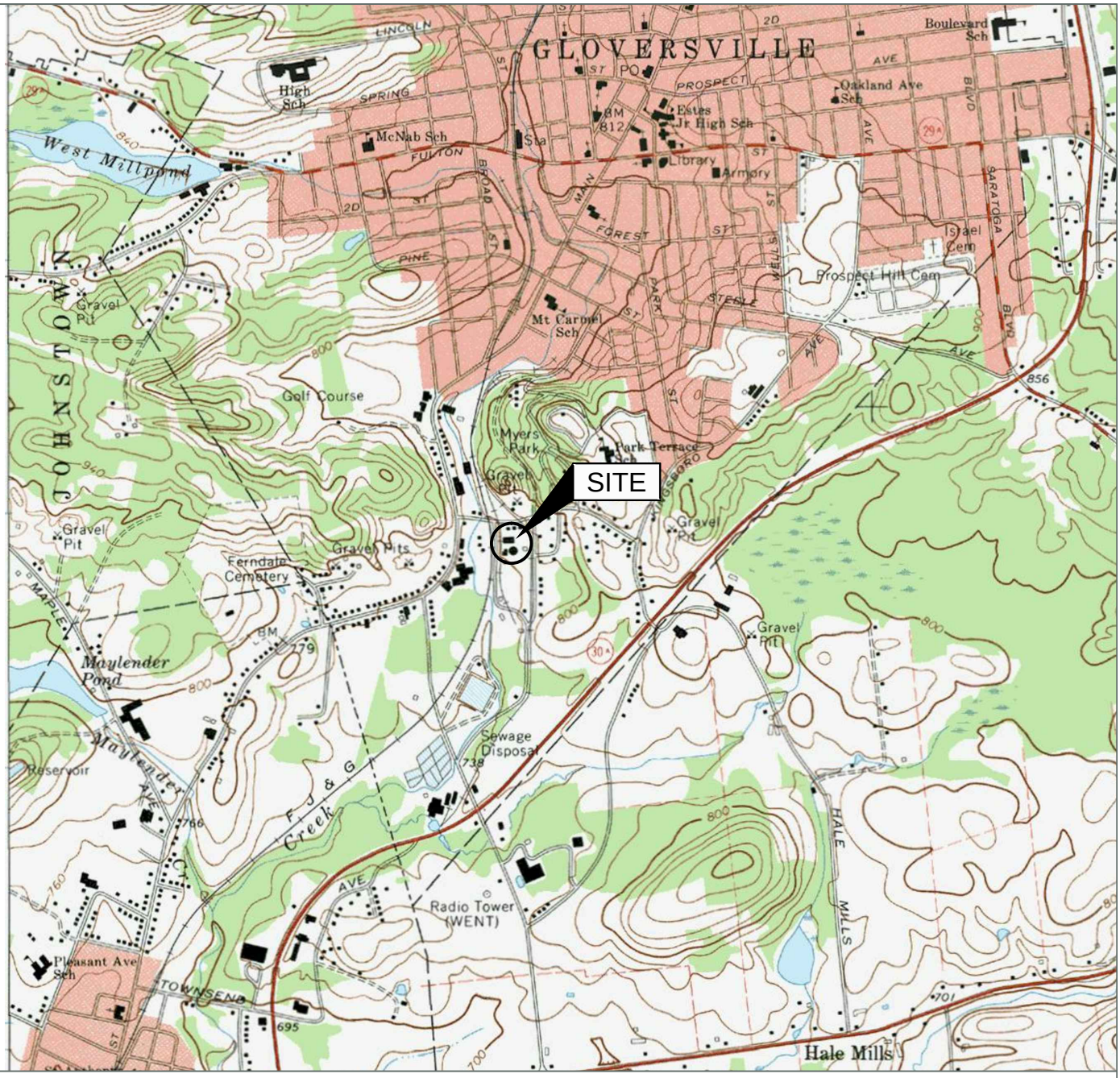
To date, approximately 218 million gallons have been successfully treated and discharged without a permit exceedance.

4 Future Activities

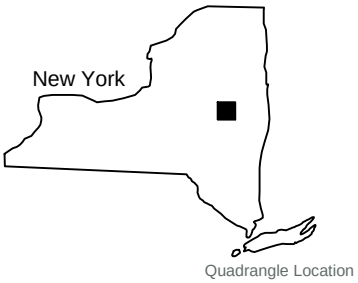
Below are OM&M activities planned for the next six months (July 2020 – December 2020):

- 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.
- Conduct semi-annual operational sampling/analysis to evaluate treatment effectiveness.
- Conduct the semi-annual treated water discharge sampling event in September 2020.
- Prepare a semi-annual OM&M report for July 1, 2020, through December 31, 2020, and submit to the NYSDEC and GJJWTF.

Figures



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



Site Location Map

National Grid
20 Hill Street
Gloversville, New York

Drawn
W.G.S.
Designed

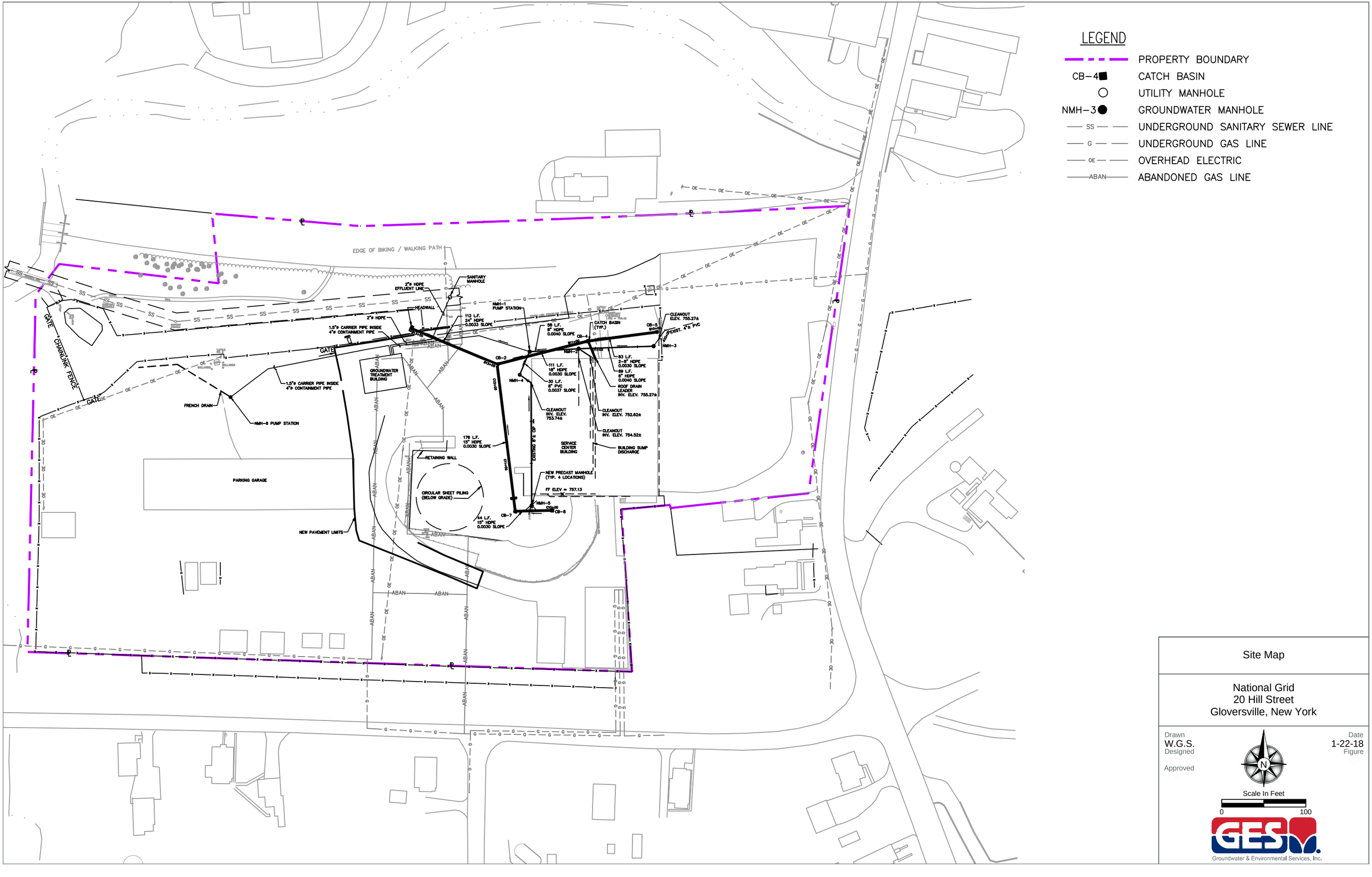
Approved

Date
1-22-18
Figure
1

N

Scale In Feet
0 2000

GES
Groundwater & Environmental Services, Inc.



Site Map

National Grid
20 Hill Street
Gloversville, New York

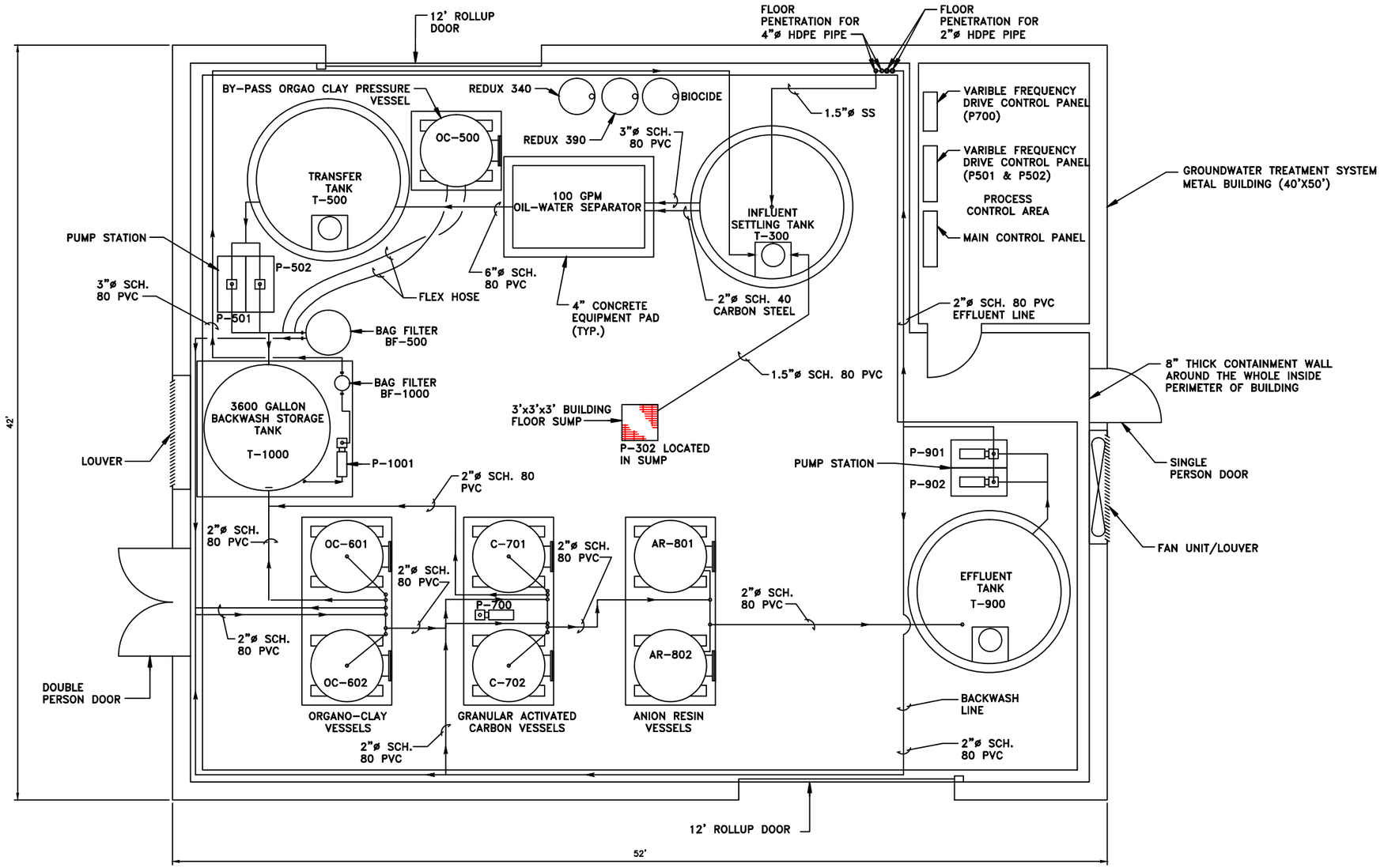
Drawn
W.G.S.
Designed

Approved

Date
1-22-18
Figure

Scale In Feet
0 100

Groundwater & Environmental Services, Inc.



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

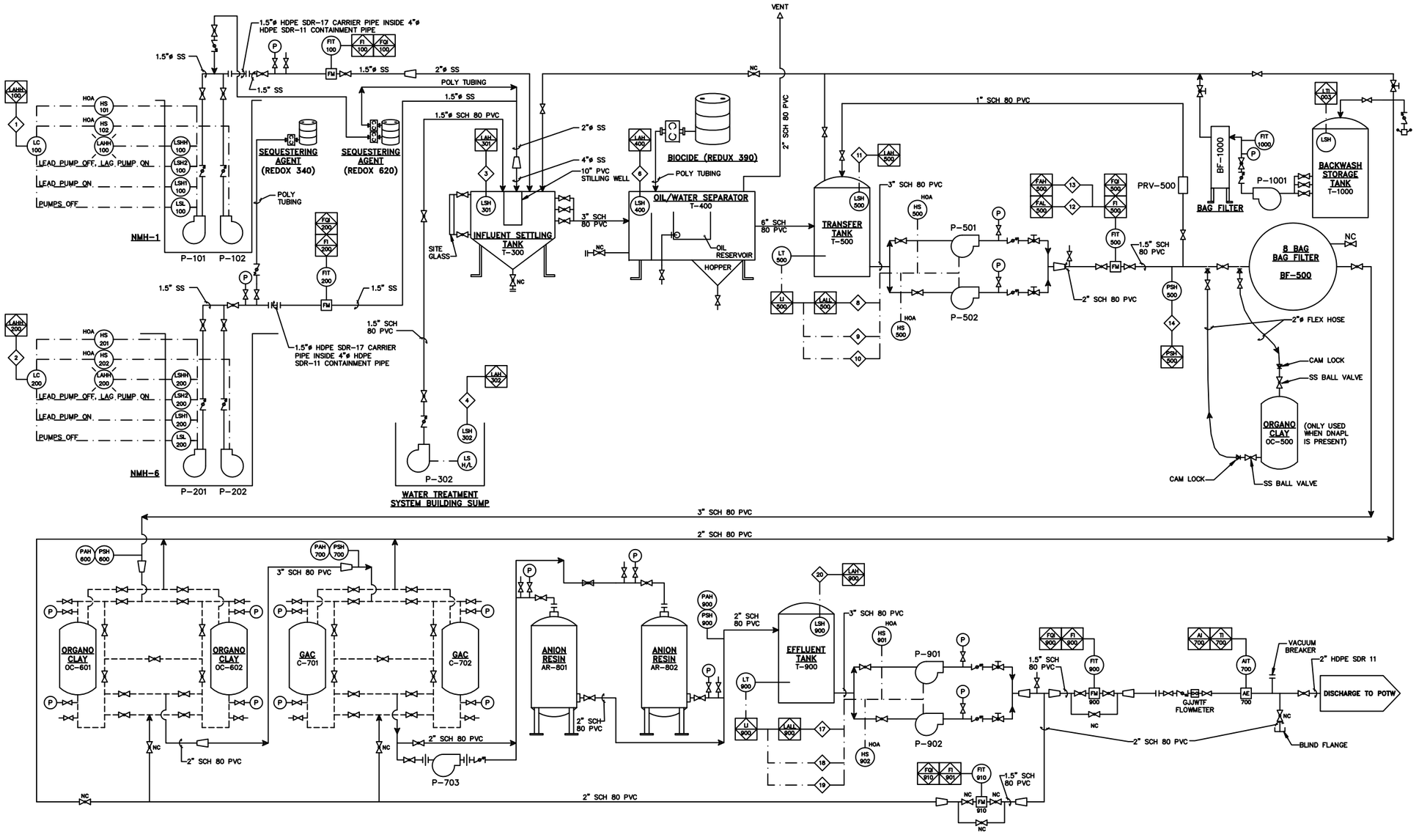
National Grid
20 Hill Street
Gloversville, New York

Drawn W.G.S.
Designed
Approved

Date 1-22-18
Figure 3

Not to Scale

Groundwater & Environmental Services, Inc.



M:\Graphics\0600-Syracuse\Misc\National Grid\Gloversville\Eng\Gloversville P&ID (rev) .dwg, B (GW P&ID)

Groundwater System
Piping and Instrumentation Diagram

National Grid
20 Hill Street
Gloversville, New York

Drawn T.P.
Date 07/23/19
Designed
Figure
Approved

Not to Scale

Groundwater & Environmental Services, Inc.

MAJOR EQUIPMENT AND INSTRUMENTATION SPECIFICATIONS:

MANHOLE NMH-1 PUMPS (P-101 AND P-102)
QUANTITY: 2
MANUFACTURER: HYDROMATIC
MODEL: HPGHH 750 3/6-2
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: 8711TSA015R1N0G1
SCALE: 0.4 TO 30 FT/S (4-20 MA)

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

BUILDING SUMP PUMP (P-302)

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

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

OIL/WATER SEPARATOR (T-400)
QUANTITY: 1
MANUFACTURER: HYDRO QUIP, INC.
MODEL: AG-4SS-HP-1H-IP
FLOW RATE: 150 GPM
MATERIALS OF CONSTRUCTION: STAINLESS STEEL

TRANSFER TANK (T-500) AND BACKWASH WATER STORAGE TANK (T-900)
QUANTITY: 2
MANUFACTURER: ASSMANN CORPORATION OF AMERICA
MODEL: ICT 1850
TYPE: FLAT-BOTTOM, DOMED TOP
DIMENSIONS: 96 INCH DIAMETER X 78 INCHES HIGH
CAPACITY: 1,850 GALLONS NOMINAL
MATERIAL OF CONSTRUCTION: HIGH-DENSITY CROSS-LINKED POLYETHYLENE

OIL/WATER SEPARATOR EFFLUENT TANK PUMPS (P-501 AND P-502)
QUANTITY: 2
MANUFACTURER: GRUNDFOS
MODEL: CR15-3
FLOW RATE: 70 GPM @ 170 FEET OF TDH (EACH)
MOTOR: 5 HP, 208 V, 3P
MATERIAL OF CONSTRUCTION: STAINLESS STEEL

TRANSFER TANK LEVEL TRANSMITTER (LT-500) & (LT-1000) BACKWASH WATER STORAGE TANK LEVEL TRANSMITTER (LT-900)
QUANTITY: 3
MANUFACTURER: PULSAR
TYPE: ULTRASONIC
MODEL: IMP-6

BYPASS ORGANO CLAY FILTRATION VESSEL (OC-500)*
QUANTITY: 1
MANUFACTURER: USFILTER WESTATES
MODEL: USFILTER WESTATES PV-2000
FLOW RATE: 75 GPM @ 75 PSI MAXIMUM
MEDIA CAPACITY: 68 CUBIC-FEET
MATERIAL OF CONSTRUCTION: EPOXY-COATED CARBON STEEL
*UTILIZED ONLY WHEN DNAPL IS VISUAL IN OWS

VARIABLE FREQUENCY DRIVE (V-700)
QUANTITY: 1
MANUFACTURER: SQUARE D

VARIABLE FREQUENCY DRIVES (V-501 AND V-502)
QUANTITY: 2
MANUFACTURER: BENSHAW
MODEL: RSI-005-GX-2B
TYPE: CONSTANT TORQUE, 1 TO 5 HP, 230 V

PRESSURE SWITCH (PSH-500)
QUANTITY: 1
MANUFACTURER: TURCK
SCALE: 0 - 100 PSI
MODEL: PT100PSIG-13-L13-H1131

PRESSURE RELIEF VALVE (PRV-500)
QUANTITY: 1
MANUFACTURER: PLAST-O-MATIC
TYPE: SPRING
MODEL: RVT100EP-PV
SIZE: 1 INCH
MATERIAL: PVC

BAG FILTERS (BF-500)
QUANTITY: 8 BAG UNIT
MANUFACTURER:
MODEL:
CAPACITY: MAXIMUM FLOW RATE OF 125 GPM AN MAXIMUM WORKING PRESSURE OF 150 PSI AT 73° F
BAG SIZE: NO. 2 BAGS
MATERIALS OF CONSTRUCTION: STAINLESS STEEL

ORGANOCLAY FILTRATION VESSELS (OC-601 AND OC-602)
QUANTITY: 2
MANUFACTURER: USFILTER WESTATES,
MODEL: USFILTER WESTATES MODEL PV-1000
FLOW RATE: 50 GPM @ 75 PSI MAXIMUM (PER VESSEL)
MEDIA CAPACITY: 34 CUBIC-FEET
MATERIALS OF CONSTRUCTION: EPOXY-COATED CARBON STEEL

GRANULAR ACTIVATED CARBON VESSELS (C-701 AND C-702)
QUANTITY: 2
MANUFACTURER: USFILTER WESTATES
MODEL: USFILTER WESTATES MODEL PV-2000
FLOW RATE: 75 GPM @ 75 PSI MAXIMUM (PER VESSEL)
MEDIA CAPACITY: 68 CUBIC-FOOT
MATERIALS OF CONSTRUCTION: EPOXY-COATED CARBON STEEL

PH/TEMPERATURE ANALYZING TRANSMITTER (AIT-700)
QUANTITY: 1
MANUFACTURER: WALCHEM
MODEL: WDP301-42N
SENSOR: WDS-PHW

RESIN FILTRATION VESSELS (AR-801 AND AR-802)
QUANTITY: 2
MANUFACTURER: USFILTER WESTATES
MODEL: USFILTER WESTATES PV-1000
FLOW RATE: 75 GPM @ 75 PSI GAUGE MAXIMUM (PER VESSEL)
MEDIA CAPACITY: 34 CUBIC FEET
MATERIALS OF CONSTRUCTION: CARBON STEEL

BACKWASH WATER STORAGE TANK DISCHARGE PUMPS (P-901 AND P-902)
QUANTITY: 2
MANUFACTURER: GOULDS
MODEL: 7SH4G52B0
FLOW RATE: 70 GPM @ 50 FEET TDH
MOTOR: 2 HP, 208 V, 3P TEFC
MATERIALS OF CONSTRUCTION: STAINLESS STEEL

MECHANICAL FLOW METER (FM-920)
QUANTITY: 1
MANUFACTURER: ISTEC 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
FQI	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.

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

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

Groundwater & Environmental Services, Inc.

M:\Graphics\0600-SyracuseMisc\National Grid\Gloversville\Engl\Gloversville P&ID Legend.dwg, Template B, WShea

Tables

Table 1

Effluent Permit and Analytical Data
24-Hour Composite Sample

Parameter	Maximum 24-Hour Pollutant Concentrations (mg/L)	Frequency Requirements	03/19/20
Antimony	1.50	Semi-Annual	ND < 0.0060
Arsenic	0.10	Semi-Annual	0.0054
Cadmium	0.03	Semi-Annual	ND < 0.0030
Chromium, Total	10.00	Semi-Annual	ND < 0.0050
Chromium, Hexavalent	0.15	Semi-Annual	ND < 0.010
Copper	0.20	Semi-Annual	ND < 0.0050
Lead	0.12	Semi-Annual	ND < 0.0050
Mercury	0.03	Semi-Annual	ND < 0.00020
Nickel	0.50	Semi-Annual	ND < 0.010
Selenium	0.03	Semi-Annual	ND < 0.0080
Silver	0.04	Semi-Annual	ND < 0.0060
Thallium	0.06	Semi-Annual	ND < 0.010
Zinc	0.65	Semi-Annual	0.018
Naphthalene	0.30	Semi-Annual	ND < 0.00098
Aldrin	0.00005	Semi-Annual	ND < 0.025
BHC, Isomers (sum)	0.0002	Semi-Annual	ND < 0.025
Total Chlorinated Phenols	0.01	Semi-Annual	ND < 0.00098
Pentachlorophenol	0.01	Semi-Annual	ND < 0.024

mg/L = milligrams per Liter

Table 2

Effluent Permit and Analytical Data
Grab Sample

Parameter	Peak Instantaneous Concentrations (mg/L)	Frequency Requirements	03/19/20
Benzene	0.014	Semi-Annual	ND < 0.0010
Chloroform	0.41	Semi-Annual	ND < 0.0010
Cyanide, Total	0.10	Semi-Annual	0.023
Ethylbenzene	1.00	Semi-Annual	ND < 0.0010
1,1,2,2-Tetrachloroethane	0.04	Semi-Annual	ND < 0.0010
Tetrachloroethylene	0.01	Semi-Annual	ND < 0.0010
Toluene	1.38	Semi-Annual	ND < 0.0010
Phenols (4AAP)	1.37	Semi-Annual	ND < 0.0024
Oil & Grease	150	Semi-Annual	ND < 4.8
Temperature, °F	150	Semi-Annual	50.9
pH, SU	6-10	Semi-Annual	7.2

SU = Standard Units
°F = Degrees Fahrenheit
mg/L = milligrams per Liter

Appendix A – Monthly Inspection Forms

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

Date: 01/09/2020
Time: 1130

Technician: PD
Weather: Clear 9

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	Lid frozen
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 week of June 4, 2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired 5/5/2016. North wall epoxy breaking up
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. Asphalt repaired 5/2018 by Facilities. Failed 8/2018
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	
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	

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

Date: 02/04/2020
Time: 900

Technician: KL
Weather: Cloudy 39

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired 12/4/2019. North wall epoxy breaking up needs further repair
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. Asphalt repaired 5/2018 by Facilities. Failed 8/2018
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	
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	

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

Date: 03/03/2020
Time: 900

Technician: KL
Weather: sunny 40

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 week of June 4, 2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired 12/4/2019. North wall epoxy breaking up needs further repair
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. Asphalt repaired 5/2018 by Facilities. Failed 8/2018
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	
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	

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

Date: 04/09/2020
Time: 945

Technician: KL
Weather: rain 47

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 week of June 4, 2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired 12/4/2019. North wall epoxy breaking up needs further repair
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. Asphalt repaired 5/2018 by Facilities. Failed 8/2018
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	
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	

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

Date: 05/07/2020
Time: 915

Technician: KL
Weather: sunny 57

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 week of June 4, 2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired 12/4/2019. North wall epoxy breaking up needs further repair
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. Asphalt repaired 5/2018 by Facilities. Failed 8/2018
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	
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	

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

Date: 06/22/2020
Time: 930

Technician: TB
Weather: sunny 84

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 week of June 4, 2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech made grout repairs 6/16/2020 Epoxy Repairs in July 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. Asphalt needs repair
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	repaired gate
Drainage Ditch Headwall in good condition?	Yes	No	Removed sediment and installed new riprap
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 June 2-3, 2020

Appendix B – Weekly Inspection Forms

Date: 06/29/2020
Time: 1600

National Grid
Gloversville, New York

Technician: TB
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		
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?	**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?	**3**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 6/25/2020 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 6/25/2020 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 6/25/2020 Sun	
OWS media in good condition?	Yes	No	New Media 6/25/2020	
Clean OWS media?	Yes	No	New Media 6/25/2020	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 6/25/2020 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 6/25/2020 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: 06/22/2020
Time: 930

National Grid
Gloversville, New York

Technician: TB
Weather: sunny 84

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
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?	**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?	**4**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 06/15/2020
Time: 1500

National Grid
Gloversville, New York

Technician: TB
Weather: sunny 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		
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?	**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?	**4**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 06/08/2020
Time: 1530

National Grid
Gloversville, New York

Technician: TB
Weather: sunny 78

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		
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?	**4**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 06/01/2020
Time: 1600

National Grid
Gloversville, New York

Technician: TB
Weather: sunny 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		
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 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 05/27/2020
Time:1145

National Grid
Gloversville, New York

Technician: KL
Weather: sunny 85

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
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?	**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 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 05/20/2020
Time: 915

National Grid
Gloversville, New York

Technician: KL
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		
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?	**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 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 05/14/2020
Time: 915

National Grid
Gloversville, New York

Technician: KL
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		
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?	**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?	**6**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 05/07/2020
Time: 915

National Grid
Gloversville, New York

Technician: KL
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		
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	**10**			
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 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 04/30/2020
Time: 930

National Grid
Gloversville, New York

Technician: KL
Weather: sunny 47

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		
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	**10**			
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 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 04/23/2020
Time: 930

National Grid
Gloversville, New York

Technician: KL
Weather: sunny 387

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		
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	**11**			
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?	**7**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 04/15/2020
Time: 1200

National Grid
Gloversville, New York

Technician: KL
Weather: cloudy 37

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
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	**11**			
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?	**7**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 04/09/2020
Time: 945

National Grid
Gloversville, New York

Technician: KL
Weather: rain 47

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		
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	**11**			
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?	**7**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 03/31/2020
Time: 900

National Grid
Gloversville, New York

Technician: KL
Weather: cloudy 37

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
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?	**0**			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	**1**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 03/24/2020
Time: 900

National Grid
Gloversville, New York

Technician: KL
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		
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?	**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 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 03/18/2020
Time: 930

National Grid
Gloversville, New York

Technician: KL
Weather: Sunny 61

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		
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?	**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 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/10/2020
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/11/2020
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/10/2020
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 03/09/2020
Time: 1130

National Grid
Gloversville, New York

Technician: TB
Weather: Sunny 61

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		
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?	**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 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/6/2019
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/7/2019
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 03/03/2020
Time: 0900

National Grid
Gloversville, New York

Technician: KL
Weather: Sunny 40

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		
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?	**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?	**3**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/6/2019
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/7/2019
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 2/26/2020
Time: 0830

National Grid
Gloversville, New York

Technician: KL
Weather: Cloudy 34

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		
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?	**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?	**3**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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?	**34**		**Order more when level reaches 30**	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/7/2019
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No	parallel	
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 2/20/2020
Time: 0915

National Grid
Gloversville, New York

Technician: KL
Weather: Cloudy 34

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		
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?	**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?	**3**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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?	**42**		**Order more when level reaches 30**	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/7/2019
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 2/12/2020
Time: 0900

National Grid
Gloversville, New York

Technician: KL
Weather: Cloudy 34

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		
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?	**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?	**3**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/6/2019
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/7/2019
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 2/4/2020
Time: 0900

National Grid
Gloversville, New York

Technician: KL
Weather: Cloudy 39

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
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?	**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?	**4**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/6/2019
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/7/2019
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 1/30/2020
Time: 1315

National Grid
Gloversville, New York

Technician: KL
Weather: Clear 25

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		
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?	**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?	**4**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/6/2019
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/7/2019
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 1/21/2020
Time: 1115

National Grid
Gloversville, New York

Technician: KL
Weather: Cloudy 19

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		
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?	**4**			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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?	**74**		**Order more when level reaches 30**	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/7/2019
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 1/17/2020
Time: 0830

National Grid
Gloversville, New York

Technician: PD
Weather: Clear 9

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		
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 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	Trace
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 3/6/2019
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/7/2019
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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: 1/9/2020
Time: 0830

National Grid
Gloversville, New York

Technician: PD
Weather: Clear 9

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		
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 5/22/2019 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 Sun	
OWS media in good condition?	Yes	No	New Media 5/22/2019	
Clean OWS media?	Yes	No	New Media 5/22/2019	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount? Trace	
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 3/6/2019
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/7/2019
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
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 5/22/2019 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/22/2019 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 5/22/2019 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

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 30, 2020

Devin Shay
Groundwater & Environmental Services - Syracuse
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: National Grid - Gloversville
Pace Project No.: 30355650

Dear Devin Shay:
Enclosed are the analytical results for sample(s) received by the laboratory on March 20, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

The samples were subcontracted Analytical Laboratory Services, Inc., 301 Fulling Mill Rd., Middletown PA 17057 for Phenols . 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 D Christner

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.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: National Grid - Gloversville
Pace Project No.: 30355650

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, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: National Grid - Gloversville
Pace Project No.: 30355650

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30355650001	**System Effluent Grab 0320**	Water	03/19/20 12:20	03/20/20 09:55
30355650002	**Trip Blank**	Water	03/19/20 00:01	03/20/20 09:55

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: National Grid - Gloversville
Pace Project No.: 30355650

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30355650001	**System Effluent Grab 0320**	EPA 625.1 Dec 2016	EAC	7	PASI-PA
		EPA 624.1 Dec 2016	JAS	10	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		SM 4500H+B-2011	AJM	1	PASI-PA
		SM 4500CNE-2011	EKM	1	PASI-PA
30355650002	**Trip Blank**	EPA 624.1 Dec 2016	JAS	10	PASI-PA

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Gloversville
Pace Project No.: 30355650

Method: **EPA 625.1 Dec 2016**
Description: 625.1 MSSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: March 30, 2020

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

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

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Gloversville
Pace Project No.: 30355650

Method: **EPA 624.1 Dec 2016**
Description: 624.1 Volatile Organics
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: March 30, 2020

General Information:
2 samples were analyzed for EPA 624.1 Dec 2016. 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:

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Gloversville
Pace Project No.: 30355650

Method: **EPA 1664A**
Description: HEM, Oil and Grease
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: March 30, 2020

General Information:
1 sample was analyzed for EPA 1664A. 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:

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Gloversville
Pace Project No.: 30355650

Method: **SM 4500H+B-2011**
Description: 4500H+ pH, Electrometric
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: March 30, 2020

General Information:
1 sample was analyzed for SM 4500H+B-2011. 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 0320 (Lab ID: 30355650001)

H6: Analysis initiated outside of the 15 minute EPA required holding time.
- System Effluent Grab 0320 (Lab ID: 30355650001)

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:

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Gloversville
Pace Project No.: 30355650

Method: **SM 4500CNE-2011**
Description: 4500CNE Cyanide, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: March 30, 2020

General Information:
1 sample was analyzed for SM 4500CNE-2011. 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 4500CNC-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: 389525

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30355084002,30355742001

MH: Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

- MS (Lab ID: 1886709)
  - Cyanide
- MS (Lab ID: 1886711)
  - Cyanide
- MSD (Lab ID: 1886710)
  - Cyanide

R1: RPD value was outside control limits.

- MSD (Lab ID: 1886712)
  - Cyanide

Additional Comments:

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

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: National Grid - Gloversville
Pace Project No.: 30355650

Sample: System Effluent Grab 0320 **Lab ID: 30355650001** Collected: 03/19/20 12:20 Received: 03/20/20 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV	Analytical Method: EPA 625.1 Dec 2016 Preparation Method: EPA 625.1 Dec 2016								
Pentachlorophenol	ND	ug/L	2.4	1.0	1	03/23/20 08:31	03/25/20 18:45	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	72	%.	15-104		1	03/23/20 08:31	03/25/20 18:45	4165-60-0	
2-Fluorobiphenyl (S)	65	%.	14-113		1	03/23/20 08:31	03/25/20 18:45	321-60-8	
Terphenyl-d14 (S)	81	%.	26-159		1	03/23/20 08:31	03/25/20 18:45	1718-51-0	
Phenol-d6 (S)	26	%.	10-48		1	03/23/20 08:31	03/25/20 18:45	13127-88-3	
2-Fluorophenol (S)	39	%.	10-66		1	03/23/20 08:31	03/25/20 18:45	367-12-4	
2,4,6-Tribromophenol (S)	80	%.	24-131		1	03/23/20 08:31	03/25/20 18:45	118-79-6	
624.1 Volatile Organics	Analytical Method: EPA 624.1 Dec 2016								
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.24	1		03/21/20 15:54	79-34-5	
Benzene	ND	ug/L	1.0	0.41	1		03/21/20 15:54	71-43-2	
Chloroform	ND	ug/L	1.0	0.47	1		03/21/20 15:54	67-66-3	
Ethylbenzene	ND	ug/L	1.0	0.31	1		03/21/20 15:54	100-41-4	
Tetrachloroethene	ND	ug/L	1.0	0.30	1		03/21/20 15:54	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		03/21/20 15:54	108-88-3	
Surrogates									
4-Bromofluorobenzene (S)	97	%.	80-120		1		03/21/20 15:54	460-00-4	
Toluene-d8 (S)	105	%.	80-120		1		03/21/20 15:54	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%.	80-120		1		03/21/20 15:54	17060-07-0	
Dibromofluoromethane (S)	94	%.	80-120		1		03/21/20 15:54	1868-53-7	
HEM, Oil and Grease	Analytical Method: EPA 1664A								
Oil and Grease	ND	mg/L	4.8	0.92	1		03/22/20 13:24		
4500H+ pH, Electrometric	Analytical Method: SM 4500H+B-2011								
pH at 25 Degrees C	**7.2**	Std. Units	2.0	2.0	1		03/20/20 22:19		H3,H6
4500CNE Cyanide, Total	Analytical Method: SM 4500CNE-2011 Preparation Method: SM 4500CNC-2011								
Cyanide	**0.023**	mg/L	0.010	0.0057	1	03/24/20 13:45	03/25/20 09:39	57-12-5	

Sample: Trip Blank **Lab ID: 30355650002** Collected: 03/19/20 00:01 Received: 03/20/20 09:55 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								
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.24	1		03/21/20 15:30	79-34-5	
Benzene	ND	ug/L	1.0	0.41	1		03/21/20 15:30	71-43-2	
Chloroform	ND	ug/L	1.0	0.47	1		03/21/20 15:30	67-66-3	
Ethylbenzene	ND	ug/L	1.0	0.31	1		03/21/20 15:30	100-41-4	
Tetrachloroethene	ND	ug/L	1.0	0.30	1		03/21/20 15:30	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		03/21/20 15:30	108-88-3	
Surrogates									
4-Bromofluorobenzene (S)	110	%.	80-120		1		03/21/20 15:30	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: National Grid - Gloversville
Pace Project No.: 30355650

Sample: Trip Blank **Lab ID: 30355650002** Collected: 03/19/20 00:01 Received: 03/20/20 09:55 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								
Surrogates									
Toluene-d8 (S)	99	%.	80-120		1		03/21/20 15:30	2037-26-5	
1,2-Dichloroethane-d4 (S)	109	%.	80-120		1		03/21/20 15:30	17060-07-0	
Dibromofluoromethane (S)	98	%.	80-120		1		03/21/20 15:30	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355650

QC Batch: 389174
QC Batch Method: EPA 624.1 Dec 2016
Analysis Method: EPA 624.1 Dec 2016
Analysis Description: 6241 MSV
Associated Lab Samples: 30355650001, 30355650002

METHOD BLANK: 1885430 Matrix: Water
Associated Lab Samples: 30355650001, 30355650002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.24	03/21/20 13:55	
Benzene	ug/L	ND	1.0	0.41	03/21/20 13:55	
Chloroform	ug/L	ND	1.0	0.47	03/21/20 13:55	
Ethylbenzene	ug/L	ND	1.0	0.31	03/21/20 13:55	
Tetrachloroethene	ug/L	ND	1.0	0.30	03/21/20 13:55	
Toluene	ug/L	ND	1.0	0.24	03/21/20 13:55	
1,2-Dichloroethane-d4 (S)	%.	94	80-120		03/21/20 13:55	
4-Bromofluorobenzene (S)	%.	100	80-120		03/21/20 13:55	
Dibromofluoromethane (S)	%.	86	80-120		03/21/20 13:55	
Toluene-d8 (S)	%.	105	80-120		03/21/20 13:55	

LABORATORY CONTROL SAMPLE: 1885431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	19.3	97	60-140	
Benzene	ug/L	20	18.5	92	65-135	
Chloroform	ug/L	20	17.0	85	70-135	
Ethylbenzene	ug/L	20	19.5	97	60-140	
Tetrachloroethene	ug/L	20	20.9	105	70-130	
Toluene	ug/L	20	21.1	105	70-130	
1,2-Dichloroethane-d4 (S)	%.			97	80-120	
4-Bromofluorobenzene (S)	%.			103	80-120	
Dibromofluoromethane (S)	%.			101	80-120	
Toluene-d8 (S)	%.			116	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1885507 1885508

Parameter	Units	30355650001 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	19.9	19.5	100	98	46-157	2	61	
Benzene	ug/L	ND	20	20	20.8	17.2	104	86	37-151	19	61	
Chloroform	ug/L	ND	20	20	19.7	16.7	98	83	51-138	16	54	
Ethylbenzene	ug/L	ND	20	20	19.5	17.9	98	89	37-162	9	63	
Tetrachloroethene	ug/L	ND	20	20	17.9	18.1	90	91	64-148	1	39	
Toluene	ug/L	ND	20	20	18.3	18.6	92	93	47-150	1	41	
1,2-Dichloroethane-d4 (S)	%.						111	105	80-120			
4-Bromofluorobenzene (S)	%.						102	99	80-120			
Dibromofluoromethane (S)	%.						111	98	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355650

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1885507 1885508

Parameter	Units	30355650001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%.						99	109	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355650

QC Batch: 389213
QC Batch Method: EPA 625.1 Dec 2016
Associated Lab Samples: 30355650001

Analysis Method: EPA 625.1 Dec 2016
Analysis Description: 625.1 MSSV

METHOD BLANK: 1885625 Matrix: Water
Associated Lab Samples: 30355650001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Pentachlorophenol	ug/L	ND	2.5	1.0	03/25/20 14:17	
2,4,6-Tribromophenol (S)	%.	72	24-131		03/25/20 14:17	
2-Fluorobiphenyl (S)	%.	56	14-113		03/25/20 14:17	
2-Fluorophenol (S)	%.	39	10-66		03/25/20 14:17	
Nitrobenzene-d5 (S)	%.	59	15-104		03/25/20 14:17	
Phenol-d6 (S)	%.	29	10-48		03/25/20 14:17	
Terphenyl-d14 (S)	%.	81	26-159		03/25/20 14:17	

LABORATORY CONTROL SAMPLE: 1885626

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pentachlorophenol	ug/L	10	10.4	104	38-152	
2,4,6-Tribromophenol (S)	%.			84	24-131	
2-Fluorobiphenyl (S)	%.			58	14-113	
2-Fluorophenol (S)	%.			39	10-66	
Nitrobenzene-d5 (S)	%.			61	15-104	
Phenol-d6 (S)	%.			31	10-48	
Terphenyl-d14 (S)	%.			86	26-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1885627 1885628

Parameter	Units	30355650001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pentachlorophenol	ug/L	ND	9.8	9.9	8.9	11.0	91	111	14-176	21	86	
2,4,6-Tribromophenol (S)	%.						74	87	24-131			
2-Fluorobiphenyl (S)	%.						54	56	14-113			
2-Fluorophenol (S)	%.						32	33	10-66			
Nitrobenzene-d5 (S)	%.						59	62	15-104			
Phenol-d6 (S)	%.						23	24	10-48			
Terphenyl-d14 (S)	%.						72	88	26-159			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355650

QC Batch: 389185
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 30355650001

METHOD BLANK: 1885517 Matrix: Water
Associated Lab Samples: 30355650001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	4.8	0.92	03/22/20 13:21	

LABORATORY CONTROL SAMPLE: 1885518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	32.7	82	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1885519 1885520

Parameter	Units	30355628002 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	4750 U ug/L	40	40	40.4	37.8	100	93	78-114	7	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355650

QC Batch: 389152
QC Batch Method: SM 4500H+B-2011
Analysis Method: SM 4500H+B-2011
Analysis Description: 4500H+B pH
Associated Lab Samples: 30355650001

SAMPLE DUPLICATE: 1885262

Parameter	Units	30355648001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.6	6.6	1	10	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355650

QC Batch: 389525
QC Batch Method: SM 4500CNC-2011
Analysis Method: SM 4500CNE-2011
Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 30355650001

METHOD BLANK: 1886707 Matrix: Water
Associated Lab Samples: 30355650001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.010	0.0057	03/25/20 09:30	

LABORATORY CONTROL SAMPLE: 1886708

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1886709 1886710

Parameter	Units	30355084002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.026	0.1	0.1	0.16	0.15	137	120	90-110	11	20	MH

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1886711 1886712

Parameter	Units	30355742001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.038	0.1	0.1	0.21	0.14	170	98	90-110	42	20	MH,R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: National Grid - Gloversville
Pace Project No.: 30355650

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.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-PA	Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

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.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: National Grid - Gloversville
Pace Project No.: 30355650

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30355650001	**System Effluent Grab 0320**	EPA 625.1 Dec 2016	389213	EPA 625.1 Dec 2016	389294
30355650001	**System Effluent Grab 0320**	EPA 624.1 Dec 2016	389174		
30355650002	**Trip Blank**	EPA 624.1 Dec 2016	389174		
30355650001	**System Effluent Grab 0320**	EPA 1664A	389185		
30355650001	**System Effluent Grab 0320**	SM 4500H+B-2011	389152		
30355650001	**System Effluent Grab 0320**	SM 4500CNC-2011	389525	SM 4500CNE-2011	389551

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fie

WO# : 30355650

30355650

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: GES - Syracuse	Report To: Devin Shay (GES) dshay@gesonline.com	Attention: Accounts Payable via email at ges-invoices@gesonline.com
Address: 5 Technology Place, Suite 4	Report To: Tim Beaumont (GES) tbeaumont@gesonline.com	Company Name: Groundwater & Environmental Services, Inc.
East Syracuse, New York 13057	Semi-Annual System Sampling	Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057
Email To: dshay@gesonline.com	Purchase Order No.:	Pace Quote Reference:
Phone: 800.220.3069 x4051 / Fax: None	Project Name: National Grid - Gloversville Former MGP Site, Gloversville, NY	Pace Project Manager: Rachel Christner
Requested Due Date/TAT: Standard	Project Number: 0603123-120780-221-1106	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER______

SITE LOCATION ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER____

Filtered (Y/N)

Requested Analysis:

Section D Required Client Information

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

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	GRAB DATE	GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Oil & Grease (1664)	Phenols, Total (420.4)	Cyanide, Total (4500-CN-E)	VOCs, Reduced List (624)	pH & Temperature (150.1)	Pentachlorophenol	Pace Project Number Lab I.D.
1	System Effluent Grab 0320	WT	G			3/19/20	12:20		11	3	1		6	1				3	1	1	3	1	2	001
2	Trip Blank	WT	Lab			↓			2				2								2			002
3	---END OF RECORD---																							
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								

Additional Comments:

SAMPLES WILL ARRIVE IN # [ ] COOLERS.

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

SPECIFIC EDD NAME:
NGGloversville-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
[signature]	3/19/20	12:54	[signature] PACE	3/19/20	12:54		Y/N	Y/N	Y/N
[signature] PACE	3/19/20	16[00]	via Fedex →				Y/N	Y/N	Y/N
			[signature] PACE	3/20/2020	955	5.6	Y/N (Y)	Y/N (Y)	Y/N (Y)
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: [illegible]
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM / DD / YY): 3/19/20

Pittsburgh Lab Sample Condition Upon Receipt

#_30355650

Pace Analytical

Client Name: CES Project #

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

Label MJ

LIMS Login

Tracking #: 1224 8331 5602 (Master #)

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

Thermometer Used #10 Type of Ice: Wet Blue None

Cooler Temperature Observed Temp 5.9 °C Correction Factor: -0.3 °C Final Temp: 5.6 °C

Temp should be above freezing to 6°C

pH paper Lot# 10D219 Date and Initials of person examining contents: MJ 3/20/2020

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):	✓			7.
Rush Turn Around Time Requested:	✓	X		8. MJ 3/20/2020
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:	✓			14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16.
All containers meet method preservation requirements.	✓			Initial when completed MJ Date/time of preservation: Lot # of added preservative:
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:	✓			18.
Trip Blank Custody Seals Present	✓			
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: Date:

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

BOXS 2 COOLERS

☐ **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.

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

March 30, 2020

Emailed Reports
Pace Analytical Services, Inc.

Certificate of Analysis

Project Name:	**Rachel - RUSH Sample Submission**	Workorder:	**3093623**
Purchase Order:	**30355650**	Workorder ID:	**30355650**

Dear Emailed Reports:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 24, 2020.

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.

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

CC: Ms. Rachel Christner

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

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

SAMPLE SUMMARY

Workorder: 3093623 30355650

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3093623001	30355650 001	Water	3/19/2020 12:20	3/24/2020 08:45	Collected by Client

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

SAMPLE SUMMARY

Workorder: 3093623 30355650

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 preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
-- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
-- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
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

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

ANALYTICAL RESULTS

Workorder: 3093623 30355650

Lab ID: **3093623001** Date Collected: 3/19/2020 12:20 Matrix: Water

Sample ID: **30355650 001** Date Received: 3/24/2020 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Phenolics	ND		mg/L	0.005	EPA 420.4	3/26/20 09:05	VXF	3/26/20 10:22	VXF	A

Ms. Sarah S Leung
Project Coordinator

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

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3093623 30355650

Lab ID	Sample ID	Analysis Method	Prep Method
3093623001	30355650 001	EPA 420.4	420.4/9066

QUALITY CONTROL DATA

Workorder: 3093623 30355650

QC Batch: WCPR/50495 **Analysis Method:** EPA 420.4

QC Batch Method: 420.4/9066

Associated Lab Samples: 3093623001

MATRIX SPIKE: 3109791 DUPLICATE: 3109792 ORIGINAL: 3093622001

****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	.00369	mg/L	.1	.08248	.08504	78.8*	81.4*	90 - 110	3.06	10

MATRIX SPIKE SAMPLE: 3109793 ORIGINAL: 3093820004

****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	.00259	mg/L	.1	.09804	95.5	90 - 110

QUALITY CONTROL DATA

Workorder: 3093623 30355650

QC Batch: WETC/236464 **Analysis Method:** EPA 420.4

QC Batch Method: EPA 420.4

Associated Lab Samples:

METHOD BLANK: 3110345

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.002	mg/L	

METHOD BLANK: 3110347

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.004	mg/L	

METHOD BLANK: 3110349

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.0008	mg/L	

METHOD BLANK: 3110351

Parameter	Blank Result	Units	Reporting Limit
Phenolics	-0.001	mg/L	

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 3093623 30355650

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
3093623001	30355650 001	420.4/9066	WCPR/50495	EPA 420.4	WETC/236464

Chain of Custody

Subcontract

30936235

Pace Analytical™
www.pacelabs.com

Sample Condition upon Receipt: (Please record the following information)		
Temp in C		
Received on Ice	Yes	No
Sealed Cooler	Yes	No
Samples Intact	Yes	No

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

Request Date: 3/20/20 Analysis Due Date: 3/27/2020
Shipped By: FedEx

Certification Required: NY

Pace Project No.: 30355650
Report/Invoice to: Rachel Christner

Page 1 of 1

	Pace Sample ID:	Matrix:	Collection Date:	Time:	Analysis Requested:	Analytical Method:	Preservative Type:
1	30355650 001	WT	3/19/20	12:20	Phenols, Total	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****
Level IV Package

Subcontract Lab: Analytical Laboratory Services, Inc.
Address: 301 Fulling Mill Rd.
Middletown, PA 17057
Phone: 717-944-5541

Analysis Authorized By: Rachel Christner (Pace Agent Name) Manager (Title)

Acceptance of Terms By: (Subcontract Lab Agent) (Title)

Relinquished By: [signature] 3/23/2020 1600 (Signature & Affiliation) (Date) (Time)

Relinquished By: Fedex (Signature & Affiliation) (Date) (Time)

Received By: Fedex (Signature & Affiliation) (Date) (Time)

Received By: [signature] (Signature & Affiliation) 3/24/20 845 (Date) (Time)

Comments:

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.

301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Pace | Work Order #: 30093623 | Initials: DN | Date: 3/24

1. Were airbills / tracking numbers present and recorded?	NONE	(YES)	NO
Tracking number: 1461 8058 3152			
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? By 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? Not Listed		YES	(NO)
5f. Does the COC note the type of sample, composite or grab? No C/G		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: 107

Radiological (µCi): _____

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

[1]Final 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

Rev 1/20/2020

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 30, 2020

Devin Shay
Groundwater & Environmental Services - Syracuse
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: National Grid - Gloversville
Pace Project No.: 30355652

Dear Devin Shay:
Enclosed are the analytical results for sample(s) received by the laboratory on March 20, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

The samples were subcontracted Analytical Laboratory Services, Inc., 301 Fulling Mill Rd., Middletown PA 17057 for Phenols . 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 D Christner

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.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: National Grid - Gloversville
Pace Project No.: 30355652

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, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: National Grid - Gloversville
Pace Project No.: 30355652

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30355652001	**System Effluent Composite 0320**	Water	03/19/20 12:30	03/20/20 09:55

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: National Grid - Gloversville
Pace Project No.: 30355652

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30355652001	**System Effluent Composite 0320**	EPA 608.3 Dec 2016	TAW	7	PASI-PA
		200.7 Rev4.4, 1994	KAS	11	PASI-PA
		245.1 Rev. 3.0, 1994	KAS	1	PASI-PA
		EPA 625.1 Dec 2016	EAC	12	PASI-PA
		SM 3500-CrB-2011	PAS	1	PASI-PA

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Gloversville
Pace Project No.: 30355652

Method: **EPA 608.3 Dec 2016**
Description: 608.3 GCS Pesticides
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: March 30, 2020

General Information:
1 sample was analyzed for EPA 608.3 Dec 2016. 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: 389215

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

- LCS (Lab ID: 1885634)
  - delta-BHC

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: 389215

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

Additional Comments:

Analyte Comments:

QC Batch: 389215

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

- System Effluent Composite 0320 (Lab ID: 30355652001)
  - Aldrin
  - alpha-BHC

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Gloversville
Pace Project No.: 30355652

Method: **EPA 608.3 Dec 2016**
Description: 608.3 GCS Pesticides
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: March 30, 2020

Analyte Comments:

QC Batch: 389215

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

- System Effluent Composite 0320 (Lab ID: 30355652001)
  - beta-BHC
  - delta-BHC
  - gamma-BHC (Lindane)

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Gloversville
Pace Project No.: 30355652

Method: **200.7 Rev4.4, 1994**
Description: 200.7 Metals, Total
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: March 30, 2020

General Information:
1 sample was analyzed for 200.7 Rev4.4, 1994. 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 200.7 Rev4.4, 1994 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:

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Gloversville
Pace Project No.: 30355652

Method: **245.1 Rev. 3.0, 1994**
Description: 245.1 Mercury
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: March 30, 2020

General Information:
1 sample was analyzed for 245.1 Rev. 3.0, 1994. 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 245.1 Rev. 3.0, 1994 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:

Analyte Comments:

QC Batch: 389759

2c: The PDS recovery was outside of the laboratory control limits. Result may be biased high

- System Effluent Composite 0320 (Lab ID: 30355652001)
  - Mercury

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Gloversville
Pace Project No.: 30355652

Method: **EPA 625.1 Dec 2016**
Description: 625.1 MSSV
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: March 30, 2020

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

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

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: National Grid - Gloversville
Pace Project No.: 30355652

Method: **SM 3500-CrB-2011**
Description: Chromium, Hexavalent
Client: Groundwater & Environmental Services, Inc. (Syracuse)
Date: March 30, 2020

General Information:
1 sample was analyzed for SM 3500-CrB-2011. 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.

H1: Analysis conducted outside the EPA method holding time.
- System Effluent Composite 0320 (Lab ID: 30355652001)

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

Analyte Comments:

QC Batch: 389062

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- MS (Lab ID: 1884528)
  - Chromium, Hexavalent
- MSD (Lab ID: 1884529)
  - Chromium, Hexavalent

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

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: National Grid - Gloversville
Pace Project No.: 30355652

Sample: System Effluent Composite 0320 **Lab ID: 30355652001** Collected: 03/19/20 12:30 Received: 03/20/20 09:55 Matrix: Water

Comments: • Hexavalent Chromium was not field filtered.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCS Pesticides	Analytical Method: EPA 608.3 Dec 2016 Preparation Method: EPA 608.3 Dec 2016								
Aldrin	ND	ug/L	0.025	0.0022	1	03/23/20 11:39	03/26/20 15:07	309-00-2	1c
alpha-BHC	ND	ug/L	0.025	0.0032	1	03/23/20 11:39	03/26/20 15:07	319-84-6	1c
beta-BHC	ND	ug/L	0.025	0.0081	1	03/23/20 11:39	03/26/20 15:07	319-85-7	1c
delta-BHC	ND	ug/L	0.025	0.0065	1	03/23/20 11:39	03/26/20 15:07	319-86-8	1c
gamma-BHC (Lindane)	ND	ug/L	0.025	0.0024	1	03/23/20 11:39	03/26/20 15:07	58-89-9	1c
Surrogates									
Tetrachloro-m-xylene (S)	62	%.	21-100		1	03/23/20 11:39	03/26/20 15:07	877-09-8	
Decachlorobiphenyl (S)	71	%.	10-113		1	03/23/20 11:39	03/26/20 15:07	2051-24-3	
200.7 Metals, Total	Analytical Method: 200.7 Rev4.4, 1994 Preparation Method: 200.7 Rev4.4, 1994								
Antimony	ND	mg/L	0.0060	0.0055	1	03/23/20 05:23	03/23/20 19:29	7440-36-0	
Arsenic	**0.0054**	mg/L	0.0050	0.0045	1	03/23/20 05:23	03/23/20 19:29	7440-38-2	
Cadmium	ND	mg/L	0.0030	0.00034	1	03/23/20 05:23	03/23/20 19:29	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00052	1	03/23/20 05:23	03/23/20 19:29	7440-47-3	
Copper	ND	mg/L	0.0050	0.0018	1	03/23/20 05:23	03/23/20 19:29	7440-50-8	
Lead	ND	mg/L	0.0050	0.0024	1	03/23/20 05:23	03/23/20 19:29	7439-92-1	
Nickel	ND	mg/L	0.010	0.0015	1	03/23/20 05:23	03/23/20 19:29	7440-02-0	
Selenium	ND	mg/L	0.0080	0.0038	1	03/23/20 05:23	03/23/20 19:29	7782-49-2	
Silver	ND	mg/L	0.0060	0.0011	1	03/23/20 05:23	03/23/20 19:29	7440-22-4	
Thallium	ND	mg/L	0.010	0.0033	1	03/23/20 05:23	03/23/20 19:29	7440-28-0	
Zinc	**0.018**	mg/L	0.010	0.0042	1	03/23/20 05:23	03/23/20 19:29	7440-66-6	
245.1 Mercury	Analytical Method: 245.1 Rev. 3.0, 1994 Preparation Method: 245.1 Rev. 3.0, 1994								
Mercury	ND	mg/L	0.00020	0.000030	1	03/25/20 16:26	03/25/20 23:10	7439-97-6	2c
625.1 MSSV	Analytical Method: EPA 625.1 Dec 2016 Preparation Method: EPA 625.1 Dec 2016								
2,4,6-Trichlorophenol	ND	ug/L	0.98	0.34	1	03/23/20 08:31	03/25/20 00:14	88-06-2	
2,4-Dichlorophenol	ND	ug/L	0.98	0.33	1	03/23/20 08:31	03/25/20 00:14	120-83-2	
2-Chlorophenol	ND	ug/L	0.98	0.32	1	03/23/20 08:31	03/25/20 00:14	95-57-8	
4-Chloro-3-methylphenol	ND	ug/L	0.98	0.43	1	03/23/20 08:31	03/25/20 00:14	59-50-7	
Naphthalene	ND	ug/L	0.98	0.34	1	03/23/20 08:31	03/25/20 00:14	91-20-3	
Pentachlorophenol	ND	ug/L	2.4	1.0	1	03/23/20 08:31	03/25/20 00:14	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	45	%.	15-104		1	03/23/20 08:31	03/25/20 00:14	4165-60-0	
2-Fluorobiphenyl (S)	49	%.	14-113		1	03/23/20 08:31	03/25/20 00:14	321-60-8	
Terphenyl-d14 (S)	65	%.	26-159		1	03/23/20 08:31	03/25/20 00:14	1718-51-0	
Phenol-d6 (S)	17	%.	10-48		1	03/23/20 08:31	03/25/20 00:14	13127-88-3	
2-Fluorophenol (S)	24	%.	10-66		1	03/23/20 08:31	03/25/20 00:14	367-12-4	
2,4,6-Tribromophenol (S)	62	%.	24-131		1	03/23/20 08:31	03/25/20 00:14	118-79-6	
Chromium, Hexavalent	Analytical Method: SM 3500-CrB-2011								
Chromium, Hexavalent	ND	mg/L	0.010	0.0054	1		03/20/20 13:25	18540-29-9	H1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355652

QC Batch: 389759
QC Batch Method: 245.1 Rev. 3.0, 1994
Associated Lab Samples: 30355652001

Analysis Method: 245.1 Rev. 3.0, 1994
Analysis Description: 245.1 Mercury

METHOD BLANK: 1887557 Matrix: Water
Associated Lab Samples: 30355652001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000030	03/25/20 23:07	

LABORATORY CONTROL SAMPLE: 1887558

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.001	0.0010	102	85-115	

MATRIX SPIKE SAMPLE: 1887560

Parameter	Units	30355652001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	0.0025	0.0028	111	70-130	

MATRIX SPIKE SAMPLE: 1887562

Parameter	Units	30355631006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	0.0025	0.0026	102	70-130	

SAMPLE DUPLICATE: 1887559

Parameter	Units	30355652001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 1887561

Parameter	Units	30355631006 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355652

QC Batch: 389198
QC Batch Method: 200.7 Rev4.4, 1994
Associated Lab Samples: 30355652001

Analysis Method: 200.7 Rev4.4, 1994
Analysis Description: 200.7 Metals, Total

METHOD BLANK: 1885544 Matrix: Water
Associated Lab Samples: 30355652001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0060	0.0055	03/23/20 17:13	
Arsenic	mg/L	ND	0.0050	0.0045	03/23/20 17:13	
Cadmium	mg/L	ND	0.0030	0.00034	03/23/20 17:13	
Chromium	mg/L	ND	0.0050	0.00052	03/23/20 17:13	
Copper	mg/L	ND	0.0050	0.0018	03/23/20 17:13	
Lead	mg/L	ND	0.0050	0.0024	03/23/20 17:13	
Nickel	mg/L	ND	0.010	0.0015	03/23/20 17:13	
Selenium	mg/L	ND	0.0080	0.0038	03/23/20 17:13	
Silver	mg/L	ND	0.0060	0.0011	03/23/20 17:13	
Thallium	mg/L	ND	0.010	0.0033	03/23/20 17:13	
Zinc	mg/L	ND	0.010	0.0042	03/23/20 17:13	

LABORATORY CONTROL SAMPLE: 1885545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.5	0.52	104	85-115	
Arsenic	mg/L	0.5	0.50	100	85-115	
Cadmium	mg/L	0.5	0.51	102	85-115	
Chromium	mg/L	0.5	0.49	98	85-115	
Copper	mg/L	0.5	0.50	100	85-115	
Lead	mg/L	0.5	0.47	94	85-115	
Nickel	mg/L	0.5	0.50	100	85-115	
Selenium	mg/L	0.5	0.50	100	85-115	
Silver	mg/L	0.25	0.25	102	85-115	
Thallium	mg/L	0.5	0.47	95	85-115	
Zinc	mg/L	0.5	0.48	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1885559 1885560

Parameter	Units	30355667016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.5	0.5	0.53	0.52	106	104	70-130	2	20	
Arsenic	mg/L	ND	0.5	0.5	0.53	0.52	105	104	70-130	2	20	
Cadmium	mg/L	ND	0.5	0.5	0.53	0.52	105	104	70-130	2	20	
Chromium	mg/L	ND	0.5	0.5	0.49	0.48	98	96	70-130	2	20	
Copper	mg/L	ND	0.5	0.5	0.51	0.50	102	100	70-130	2	20	
Lead	mg/L	ND	0.5	0.5	0.50	0.50	99	99	70-130	1	20	
Nickel	mg/L	ND	0.5	0.5	0.49	0.48	98	96	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355652

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1885559 1885560

Parameter	Units	30355667016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Selenium	mg/L	ND	0.5	0.5	0.52	0.52	104	103	70-130	1	20	
Silver	mg/L	ND	0.25	0.25	0.26	0.25	104	101	70-130	3	20	
Thallium	mg/L	ND	0.5	0.5	0.47	0.48	94	95	70-130	0	20	
Zinc	mg/L	ND	0.5	0.5	0.48	0.48	96	95	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1885562 1885563

Parameter	Units	30355667017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.5	0.5	0.53	0.52	106	103	70-130	3	20	
Arsenic	mg/L	ND	0.5	0.5	0.53	0.52	105	105	70-130	0	20	
Cadmium	mg/L	ND	0.5	0.5	0.53	0.52	105	105	70-130	0	20	
Chromium	mg/L	ND	0.5	0.5	0.50	0.49	100	97	70-130	2	20	
Copper	mg/L	ND	0.5	0.5	0.51	0.51	101	102	70-130	0	20	
Lead	mg/L	ND	0.5	0.5	0.50	0.50	100	100	70-130	0	20	
Nickel	mg/L	ND	0.5	0.5	0.49	0.49	99	98	70-130	0	20	
Selenium	mg/L	ND	0.5	0.5	0.52	0.52	104	104	70-130	0	20	
Silver	mg/L	ND	0.25	0.25	0.26	0.25	103	100	70-130	3	20	
Thallium	mg/L	ND	0.5	0.5	0.48	0.48	97	96	70-130	1	20	
Zinc	mg/L	ND	0.5	0.5	0.49	0.49	97	97	70-130	0	20	

SAMPLE DUPLICATE: 1885558

Parameter	Units	30355667016 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	mg/L	ND	ND		20	
Arsenic	mg/L	ND	ND		20	
Cadmium	mg/L	ND	ND		20	
Chromium	mg/L	ND	.00073J		20	
Copper	mg/L	ND	ND		20	
Lead	mg/L	ND	ND		20	
Nickel	mg/L	ND	.0023J		20	
Selenium	mg/L	ND	ND		20	
Silver	mg/L	ND	ND		20	
Thallium	mg/L	ND	ND		20	
Zinc	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 1885561

Parameter	Units	30355667017 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	mg/L	ND	ND		20	
Arsenic	mg/L	ND	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355652

SAMPLE DUPLICATE: 1885561

Parameter	Units	30355667017 Result	Dup Result	RPD	Max RPD	Qualifiers
Cadmium	mg/L	ND	ND		20	
Chromium	mg/L	ND	.0011J		20	
Copper	mg/L	ND	ND		20	
Lead	mg/L	ND	ND		20	
Nickel	mg/L	ND	ND		20	
Selenium	mg/L	ND	.0046J		20	
Silver	mg/L	ND	ND		20	
Thallium	mg/L	ND	ND		20	
Zinc	mg/L	ND	0.010		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355652

QC Batch: 389215
QC Batch Method: EPA 608.3 Dec 2016
Analysis Method: EPA 608.3 Dec 2016
Analysis Description: 608.3 GCS Pesticide
Associated Lab Samples: 30355652001

METHOD BLANK: 1885633 Matrix: Water
Associated Lab Samples: 30355652001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aldrin	ug/L	ND	0.025	0.0022	03/26/20 13:49	
alpha-BHC	ug/L	ND	0.025	0.0033	03/26/20 13:49	
beta-BHC	ug/L	ND	0.025	0.0083	03/26/20 13:49	
delta-BHC	ug/L	ND	0.025	0.0066	03/26/20 13:49	
gamma-BHC (Lindane)	ug/L	ND	0.025	0.0024	03/26/20 13:49	
Decachlorobiphenyl (S)	%.	71	10-113		03/26/20 13:49	
Tetrachloro-m-xylene (S)	%.	70	21-100		03/26/20 13:49	

LABORATORY CONTROL SAMPLE: 1885634

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aldrin	ug/L	0.2	0.11	56	54-130	
alpha-BHC	ug/L	0.2	0.12	60	49-130	
beta-BHC	ug/L	0.2	0.13	66	39-130	
delta-BHC	ug/L	0.2	0.14	70	51-130	CH
gamma-BHC (Lindane)	ug/L	0.2	0.13	65	43-130	
Decachlorobiphenyl (S)	%.			71	10-113	
Tetrachloro-m-xylene (S)	%.			64	21-100	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355652

QC Batch: 389213
QC Batch Method: EPA 625.1 Dec 2016
Analysis Method: EPA 625.1 Dec 2016
Analysis Description: 625.1 MSSV
Associated Lab Samples: 30355652001

METHOD BLANK: 1885625 Matrix: Water
Associated Lab Samples: 30355652001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,6-Trichlorophenol	ug/L	ND	1.0	0.35	03/25/20 14:17	
2,4-Dichlorophenol	ug/L	ND	1.0	0.34	03/25/20 14:17	
2-Chlorophenol	ug/L	ND	1.0	0.32	03/25/20 14:17	
4-Chloro-3-methylphenol	ug/L	ND	1.0	0.44	03/25/20 14:17	
Naphthalene	ug/L	ND	1.0	0.35	03/25/20 14:17	
Pentachlorophenol	ug/L	ND	2.5	1.0	03/25/20 14:17	
2,4,6-Tribromophenol (S)	%.	72	24-131		03/25/20 14:17	
2-Fluorobiphenyl (S)	%.	56	14-113		03/25/20 14:17	
2-Fluorophenol (S)	%.	39	10-66		03/25/20 14:17	
Nitrobenzene-d5 (S)	%.	59	15-104		03/25/20 14:17	
Phenol-d6 (S)	%.	29	10-48		03/25/20 14:17	
Terphenyl-d14 (S)	%.	81	26-159		03/25/20 14:17	

LABORATORY CONTROL SAMPLE: 1885626

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Trichlorophenol	ug/L	10	6.8	68	52-129	
2,4-Dichlorophenol	ug/L	10	6.5	65	53-122	
2-Chlorophenol	ug/L	10	5.5	55	36-120	
4-Chloro-3-methylphenol	ug/L	10	7.8	78	41-128	
Naphthalene	ug/L	10	5.2	52	36-120	
Pentachlorophenol	ug/L	10	10.4	104	38-152	
2,4,6-Tribromophenol (S)	%.			84	24-131	
2-Fluorobiphenyl (S)	%.			58	14-113	
2-Fluorophenol (S)	%.			39	10-66	
Nitrobenzene-d5 (S)	%.			61	15-104	
Phenol-d6 (S)	%.			31	10-48	
Terphenyl-d14 (S)	%.			86	26-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1885627 1885628

Parameter	Units	30355650001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,6-Trichlorophenol	ug/L	ND	9.8	9.9	6.3	6.5	65	66	37-144	3	58	
2,4-Dichlorophenol	ug/L	ND	9.8	9.9	6.1	6.5	63	66	39-135	6	50	
2-Chlorophenol	ug/L	ND	9.8	9.9	5.3	5.5	54	55	23-134	4	61	
4-Chloro-3-methylphenol	ug/L	ND	9.8	9.9	7.3	7.5	75	76	22-147	2	73	
Naphthalene	ug/L	ND	9.8	9.9	4.3	4.5	44	46	21-133	5	65	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355652

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1885627 1885628

Parameter	Units	30355650001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pentachlorophenol	ug/L	ND	9.8	9.9	8.9	11.0	91	111	14-176	21	86	
2,4,6-Tribromophenol (S)	%.						74	87	24-131			
2-Fluorobiphenyl (S)	%.						54	56	14-113			
2-Fluorophenol (S)	%.						32	33	10-66			
Nitrobenzene-d5 (S)	%.						59	62	15-104			
Phenol-d6 (S)	%.						23	24	10-48			
Terphenyl-d14 (S)	%.						72	88	26-159			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30355652

QC Batch: 389062
QC Batch Method: SM 3500-CrB-2011
Analysis Method: SM 3500-CrB-2011
Analysis Description: Chromium, Hexavalent by 3500
Associated Lab Samples: 30355652001

METHOD BLANK: 1884526 Matrix: Water
Associated Lab Samples: 30355652001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	ND	0.010	0.0054	03/20/20 13:24	

LABORATORY CONTROL SAMPLE: 1884527

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	0.25	0.24	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1884528 1884529

Parameter	Units	30355660013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	mg/L	ND	25	25	24.7	25.0	99	100	70-130	1	20	D3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: National Grid - Gloversville
Pace Project No.: 30355652

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.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-PA	Pace Analytical Services - Greensburg

BATCH QUALIFIERS

Batch: 389215

[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	The PDS recovery was outside of the laboratory control limits. Result may be biased high
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H1	Analysis conducted outside the EPA method holding time.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: National Grid - Gloversville
Pace Project No.: 30355652

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30355652001	**System Effluent Composite 0320**	EPA 608.3 Dec 2016	389215	EPA 608.3 Dec 2016	389380
30355652001	**System Effluent Composite 0320**	200.7 Rev4.4, 1994	389198	200.7 Rev4.4, 1994	389323
30355652001	**System Effluent Composite 0320**	245.1 Rev. 3.0, 1994	389759	245.1 Rev. 3.0, 1994	389821
30355652001	**System Effluent Composite 0320**	EPA 625.1 Dec 2016	389213	EPA 625.1 Dec 2016	389294
30355652001	**System Effluent Composite 0320**	SM 3500-CrB-2011	389062		

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

WO# : 30355652

30355652

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: GES - Syracuse	Report To: Devin Shay (GES) dshay@gesonline.com	Attention: Accounts Payable via email at ges-invoices@gesonline.com
Address: 5 Technology Place, Suite 4	Report To: Tim Beaumont (GES) tbeaumont@gesonline.com	Company Name: Groundwater & Environmental Services, Inc.
East Syracuse, New York 13057	**Semi-Annual System Sampling**	Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057
Email To: dshay@gesonline.com	Purchase Order No.:	Pace Quote Reference:
Phone: 800.220.3069 x4051 Fax: None	Project Name: National Grid - Gloversville Former MGP Site, Gloversville, NY	Pace Project Manager: Rachel Christner
Requested Due Date/TAT: Standard	Project Number: 0603123-120780-221-1106	Pace Profile #:

REGULATORY AGENCY

☐NPDES ☐GROUNDWATER ☐DRINKING WATER
☐UST ☐RCRA ☐OTHER _____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER____

Section D Required Client Information

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

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED GRAB DATE	COLLECTED GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: Aldrin + BHC (608)	SVOCs, Reduced List (625)	Phenols, Total Chlorinated (625)	Metals (200.7 & 245.1)	Chromium, Hex. (3500 CR-D)	Pace Project Number Lab I.D.
1	System Effluent Composite 0320	WT	C	3/9/20	12:30	3/9/20	12:30		9	7	1	1							3	3	1	1	1	001
2	---END OF RECORD---																							
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Additional Comments:

SAMPLES WILL ARRIVE IN # 1 COOLERS.

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

NERegion@gesonline.com, ges@equisonline.com

SPECIFIC EDD NAME:

NGGloversville-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	3/9/20	12:54	pace	3/9/20	12:54
pace	3/9/20	1600	UPS fedex		
			Pace	3/20/2020	9:55

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
5.6	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Devin Shay

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY): 3/19/20

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: CES

Project # #-30355652

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

Tracking #: 1224 8331 5602 (Master #)

Label MG

LIMS Login MG

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

Thermometer Used #10 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 5.9 °C Correction Factor: -0.3 °C Final Temp: 5.6 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# 10D219 / Date and Initials of person examining contents: MG 3/20/2020
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):	✓			7.
Rush Turn Around Time Requested:	✓	X		8. MG 3/20/2020
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered		✓		13.
Organic Samples checked for dechlorination:	✓			14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16.
All containers meet method preservation requirements.	✓			Initial when completed MG / Date/time of preservation / Lot # of added preservative
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present			✓	
Rad Samples Screened < 0.5 mrem/hr			✓	Initial when completed: / Date:

Client Notification/ Resolution:

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

Comments/ Resolution: _____

BOXS 2 COOLERS

☐ **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.

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

March 30, 2020

Emailed Reports
Pace Analytical Services, Inc.

Certificate of Analysis

Project Name:	**Rachel - RUSH Sample Submission**	Workorder:	**3093622**
Purchase Order:	**30355652**	Workorder ID:	**PNW160|30355652**

Dear Emailed Reports:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 24, 2020.

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.

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

CC: Ms. Rachel Christner

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

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

SAMPLE SUMMARY

Workorder: 3093622 PNW160|30355652

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3093622001	30355652 001	Water	3/19/2020 12:30	3/24/2020 08:45	Collected by Client

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

SAMPLE SUMMARY

Workorder: 3093622 PNW160|30355652

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 preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
-- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
-- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
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

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

ANALYTICAL RESULTS

Workorder: 3093622 PNW160|30355652

Lab ID: **3093622001** Date Collected: 3/19/2020 12:30 Matrix: Water

Sample ID: **30355652 001** Date Received: 3/24/2020 08:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Phenolics	ND	1,2	mg/L	0.005	EPA 420.4	3/26/20 09:05	VXF	3/26/20 10:22	VXF	A

Ms. Sarah S Leung
Project Coordinator

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

ANALYTICAL RESULTS

Workorder: 3093622 PNW160|30355652

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3093622001	1	30355652 001	EPA 420.4	Phenolics

The QC sample type MS for method 420.4/9066 was outside the control limits for the analyte Phenolics. The % Recovery was reported as 78.8 and the control limits were 90 to 110.

Lab ID	#	Sample ID	Analytical Method	Analyte
3093622001	2	30355652 001	EPA 420.4	Phenolics

The QC sample type MSD for method 420.4/9066 was outside the control limits for the analyte Phenolics. The % Recovery was reported as 81.4 and the control limits were 90 to 110.

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

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3093622 PNW160|30355652

Lab ID	Sample ID	Analysis Method	Prep Method
3093622001	30355652 001	EPA 420.4	420.4/9066

QUALITY CONTROL DATA

Workorder: 3093622 PNW160|30355652

QC Batch: WCPR/50495 **Analysis Method:** EPA 420.4

QC Batch Method: 420.4/9066

Associated Lab Samples: 3093622001

MATRIX SPIKE: 3109791 DUPLICATE: 3109792 ORIGINAL: 3093622001

****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	.00369	mg/L	.1	.08248	.08504	78.8*	81.4*	90 - 110	3.06	10

MATRIX SPIKE SAMPLE: 3109793 ORIGINAL: 3093820004

****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	.00259	mg/L	.1	.09804	95.5	90 - 110

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

QUALITY CONTROL DATA

Workorder: 3093622 PNW160|30355652

QC Batch: WETC/236464 **Analysis Method:** EPA 420.4

QC Batch Method: EPA 420.4

Associated Lab Samples:

METHOD BLANK: 3110345

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.002	mg/L	

METHOD BLANK: 3110347

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.004	mg/L	

METHOD BLANK: 3110349

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.0008	mg/L	

METHOD BLANK: 3110351

Parameter	Blank Result	Units	Reporting Limit
Phenolics	-0.001	mg/L	

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 3093622 PNW160|30355652

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
3093622001	30355652 001	420.4/9066	WCPR/50495	EPA 420.4	WETC/236464

Chain of Custody

Pace Analytical
www.pacelabs.com

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

Sample Condition upon Receipt: (Please record the following information)		
Temp in C		
Received on Ice	Yes	No
Sealed Cooler	Yes	No
Samples Intact	Yes	No

Subcontract

30936222

Request Date: 3/20/20 Analysis Due Date: 3/27/2020
Shipped By: FedEx

Certification Required: NY

Pace Project No.: 30355652
Report/Invoice to: Rachel Christner

Page 1 of 1

	Pace Sample ID:	Matrix:	Collection Date:	Time:	Analysis Requested:	Analytical Method:	Preservative Type:
1	30355652 001	WT	3/19/20	12:30	Phenols, Total	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****
Level IV Package

Subcontract Lab: Analytical Laboratory Services, Inc.
Address: 301 Fulling Mill Rd.
Middletown, PA 17057
Phone: 717-944-5541

Analysis Authorized By: Rachel Christner (Pace Agent Name) Manager (Title)

Acceptance of Terms By: (Subcontract Lab Agent) (Title)

Relinquished By: (Signature & Affiliation) (Date) 3/23/2020 (Time) 1600

Received By: FedEx (Signature & Affiliation) (Date) (Time)

Relinquished By: FedEx (Signature & Affiliation) (Date) (Time)

Received By: (Signature & Affiliation) 3/24/20 (Date) 845 (Time)

Comments:

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.

C:\Users\ksmetanka\Desktop\SUBCON\30355652 asr als middletown]

301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client: Pace | Work Order #: 3093622 | Initials: DN | Date: 3/24

1. Were airbills / tracking numbers present and recorded?	NONE	(YES)	NO
Tracking number: 1461 8058 3152			
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? By 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? Not Listed		YES	(NO)
5f. Does the COC note the type of sample, composite or grab? No C/G		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: 407

Radiological (µCi): _____

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

[1]Final 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

Rev 1/20/2020

Appendix D – System Operational Data Summary

Gloversville System Data

		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-Organo Clay Vessels	Pre-Carbon Vessels	Pre-Anion Resin Vessels	Post-Anion Resin Vessels	PH	Temp	Instantaneous Total Effluent Flow Rate	Totalizer	Mechanical Totalizer	
		Minutes	GPM	GPM	Gallons	GPM	GPM	Gallons	GPM	GPM	GPM	Gallons	GPM	PSI	PSI	PSI	PSI	PSI	PH	°F	GPM	Gallons	Gallons X 1000	
2020		Total Minutes 261750	Average 77.32	Average 28.24	Total 7062004	Average 27.74	Average 4.51	Total 1128499	Average 105.06	Average 32.75	Average 70.00	Total 8826927	Average 70.00	Average 26.58	Average 23.16	Average 17.88	Average 8.89	Average 4.00	Average 7.6	Average 55.6	Average 66.22	8097474	9781	
January		43395	77.63	28.09	893898	28.53	4.57	145084	106.15	32.66	70.00	1116940	70.00	28.25	25.25	19.00	10.00	4.00	7.6	51.7	65.98	1030072	1563	January Mag Meter Totalizers are less due to PLC Upgrade
February		38595	78.05	27.61	1066970	28.73	4.24	163917	106.78	31.84	70.00	1326403	70.00	26.50	24.50	19.00	9.50	4.00	7.6	50.8	66.15	1217031	1413	
March		48990	77.00	29.25	1432809	28.28	5.19	254418	105.28	34.44	70.00	1821975	70.00	25.80	21.80	16.80	8.60	4.00	7.8	50.3	66.24	1666446	1937	
April		43260	76.75	29.35	1270186	27.35	5.02	216957	104.10	34.37	70.00	1607117	70.00	26.75	22.75	18.25	9.00	4.00	7.6	54.6	66.30	1472999	1713	
May		39015	77.08	28.76	1122110	26.78	4.29	167187	103.85	33.05	70.00	1387202	70.00	24.75	22.25	17.25	8.25	4.00	7.6	58.4	66.50	1273316	1482	
June		48495	77.44	26.40	1276031	26.78	3.75	180936	104.22	30.15	70.00	1567290	70.00	27.40	22.40	17.00	8.00	4.00	7.5	68.0	66.18	1437610	1673	Treated ~7000gal of stormwater conveyance cleaning water thru NMH-6
July																								
August																								
September																								
October																								
November																								
December																								