



July 31, 2019

Mr. Parag Amin
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7015

RE: National Grid Hill Street Site – Gloversville, NY
2019 Semi-Annual OM&M Report (January to June)

Dear Mr. Amin:

This letter report serves as the January - June 2019 Semi-Annual Operations, Maintenance, and Monitoring (OM&M) Report for the National Grid Hill Street Site in Gloversville, NY. This report has been prepared in accordance with *Operation, Maintenance, and Monitoring Manual* for the Storm Water Interim Remedial Measure, which was approved by the NYSDEC on April 21, 2011. This submittal includes the following information:

- Groundwater Treatment System History and Description;
- Summary of routine and non-routine site OM&M activities (January 2019 – June 2019);
- Analytical results for the semi-annual effluent discharge sampling event (March 11, 2019);
- Operational data for the water treatment system (January 2019 – June 2019);
- Summary of planned site OM&M activities (July 2019 – December 2019).

Groundwater Treatment System History and Description

- 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.

- The Groundwater Treatment System consists of the following 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.

Attachment A presents the Site Location Map [Figure 1], the Site Map [Figure 2], the Groundwater Treatment System Piping and Equipment Layout [Figure 3], the System Piping and Instrumentation Diagram (P&ID) [Figure 4], and the system abbreviations, legend, interlocks, and specifications [Figure 5].

Summary of Routine and Non-Routine OM&M Activities (January 1, 2019 – June 30, 2019)

Groundwater & Environmental Services, Inc. (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 **Attachment C** and **Attachment D**, 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 media change out and anion vessel replacement;
- ✓ Annual system and manhole cleaning.

Analytical Results for the Semi-annual Effluent Discharge Sampling Event (March 11, 2019)

On March 11, 2019, 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 April 2, 2019. 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** in **Attachment B**. The analytical results are presented in **Attachment E**. 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.

Operational Data for the Water Treatment System (January 2019 – June 2019)

For the period January 2019 through June 2019, the water treatment system treated and discharged approximately 9,082,000 gallons of water to the POTW sewer at an average flow of 30.82 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 **Attachment F**.

To date, approximately 198 million gallons have been successfully treated and discharged without a permit exceedance.

Summary of planned OM&M activities (July 2019 – December 2019)

Below are OM&M activities planned for the next six months:

- 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.

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- Conduct media change-outs (OrganoClay, GAC, and Resin), if needed.
- Conduct the semi-annual treated water discharge sampling event in September 2019.
- Prepare a semi-annual OM&M report for July 1, 2019, through December 31, 2019, and submit to the NYSDEC and GJJWTF.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Stucker', with a large loop at the start and a long, sweeping tail.

for SPS

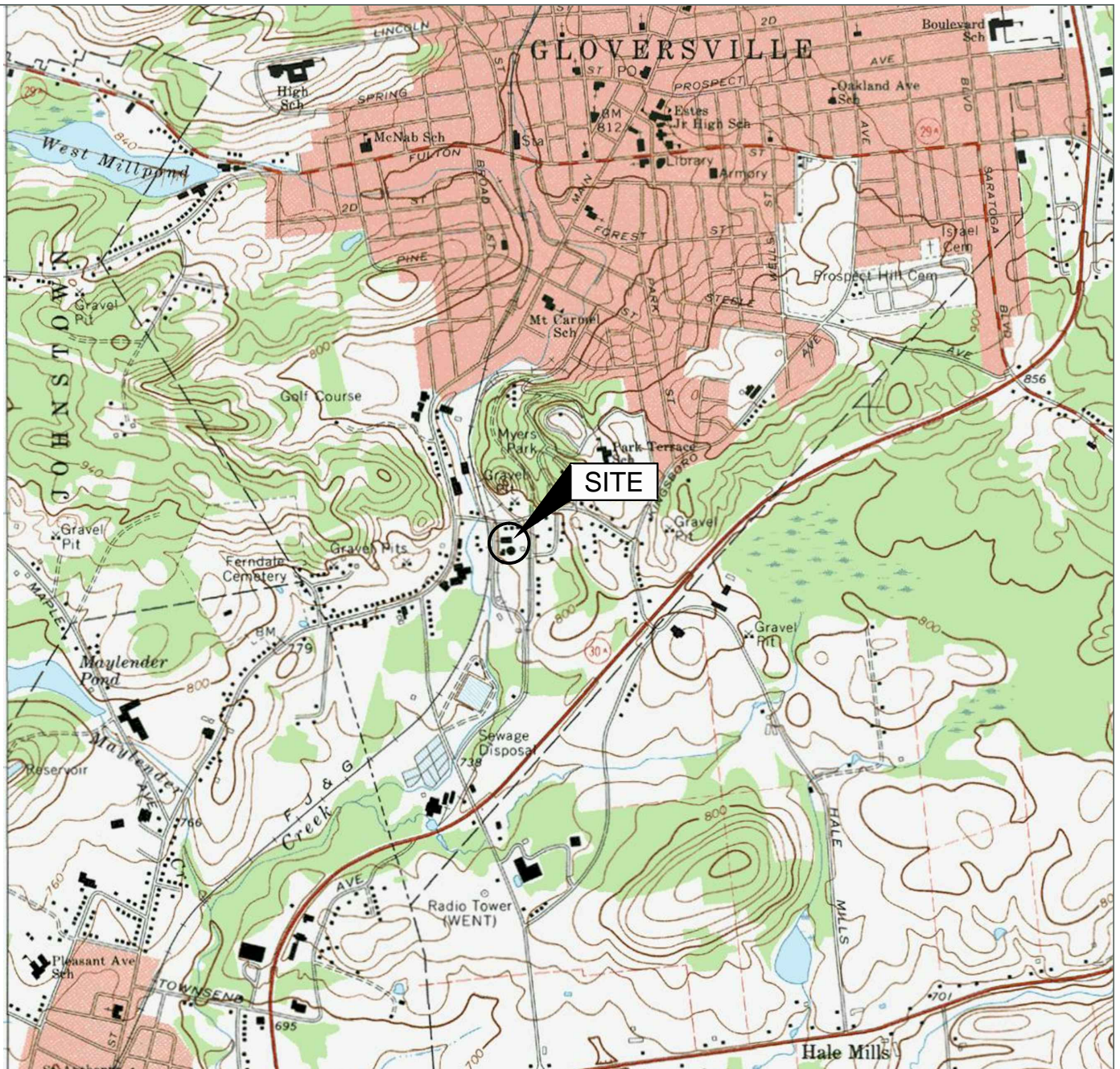
Steven P. Stucker, C.P.G.

Lead Environmental Engineer

cc: Devin T Shay - Groundwater & Environmental Services, Inc.

Steve DiLella – National Grid

Attachment A - Figures



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



Site Location Map

National Grid
20 Hill Street
Groversville, New York

Drawn
W.G.S.
Designed
Approved



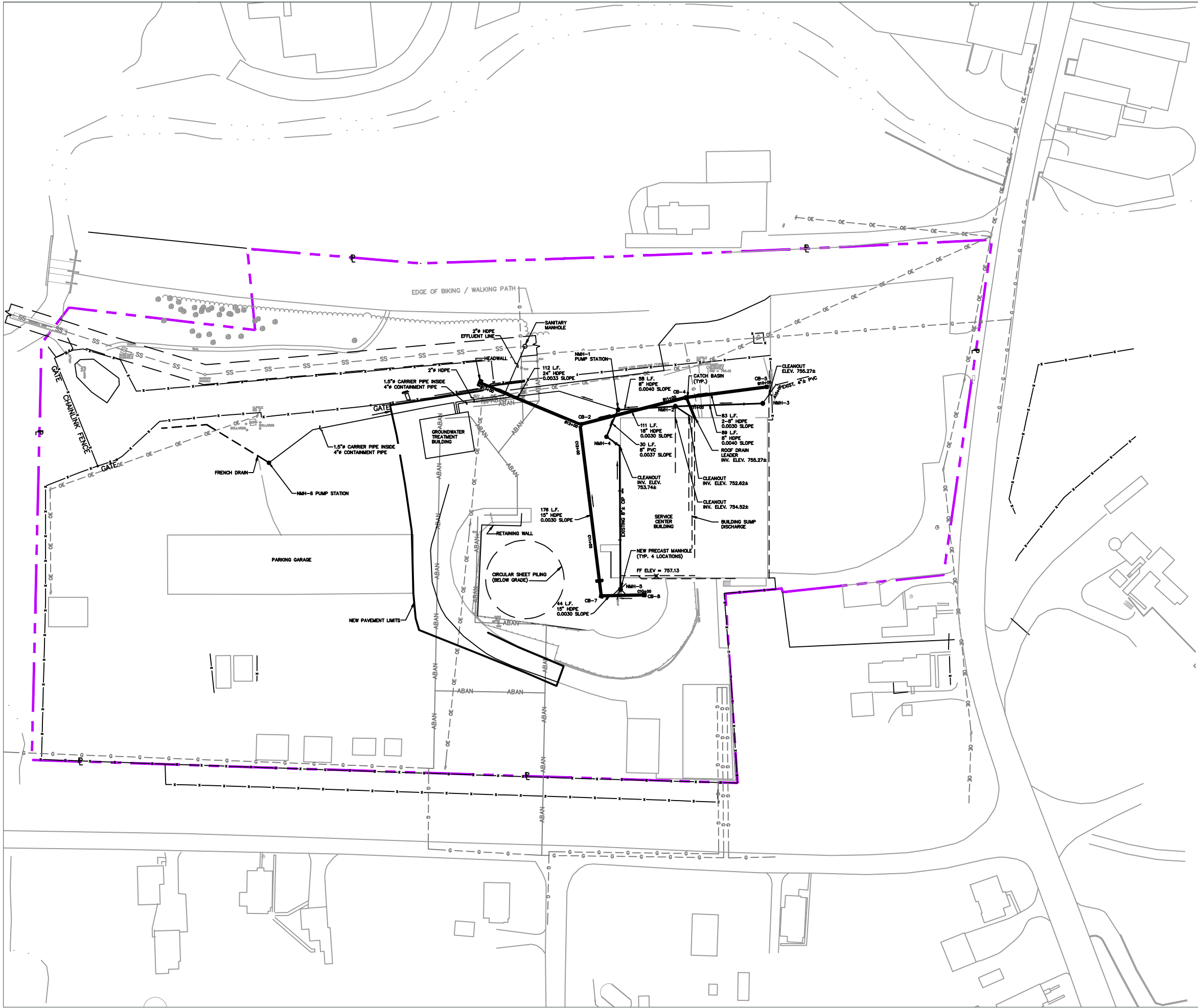
Scale In Feet

0 2000



Groundwater & Environmental Services, Inc.

Date
1-22-18
Figure
1



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

Site Map

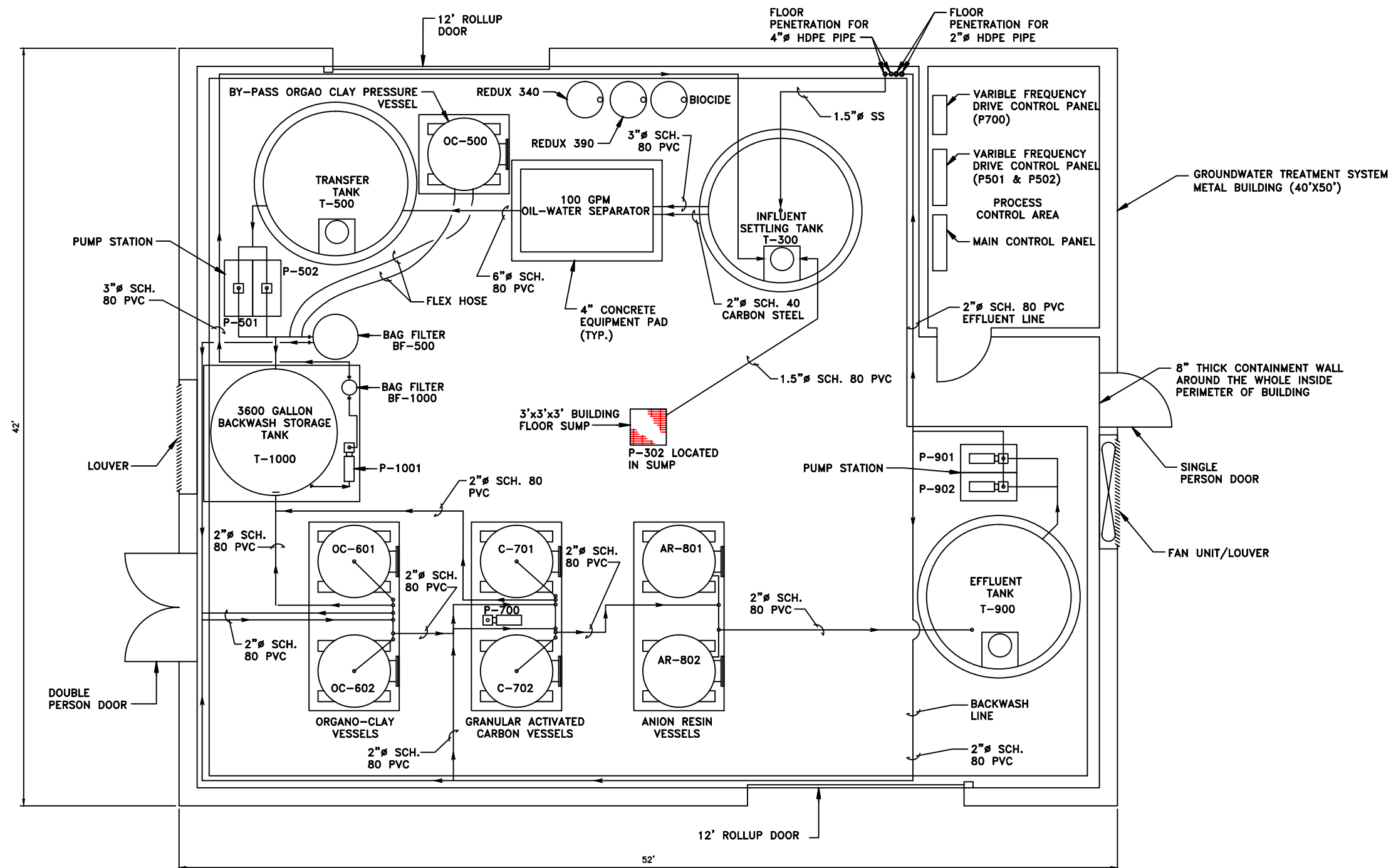
National Grid
20 Hill Street
Gloversville, New York

Drawn
W.G.S.
Designed
Approved


Scale In Feet
0 100

Groundwater & Environmental Services, Inc.

Date
1-22-18
Figure
2



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

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

Groundwater Treatment System Layout

National Grid
20 Hill Street
Gloversville, New York

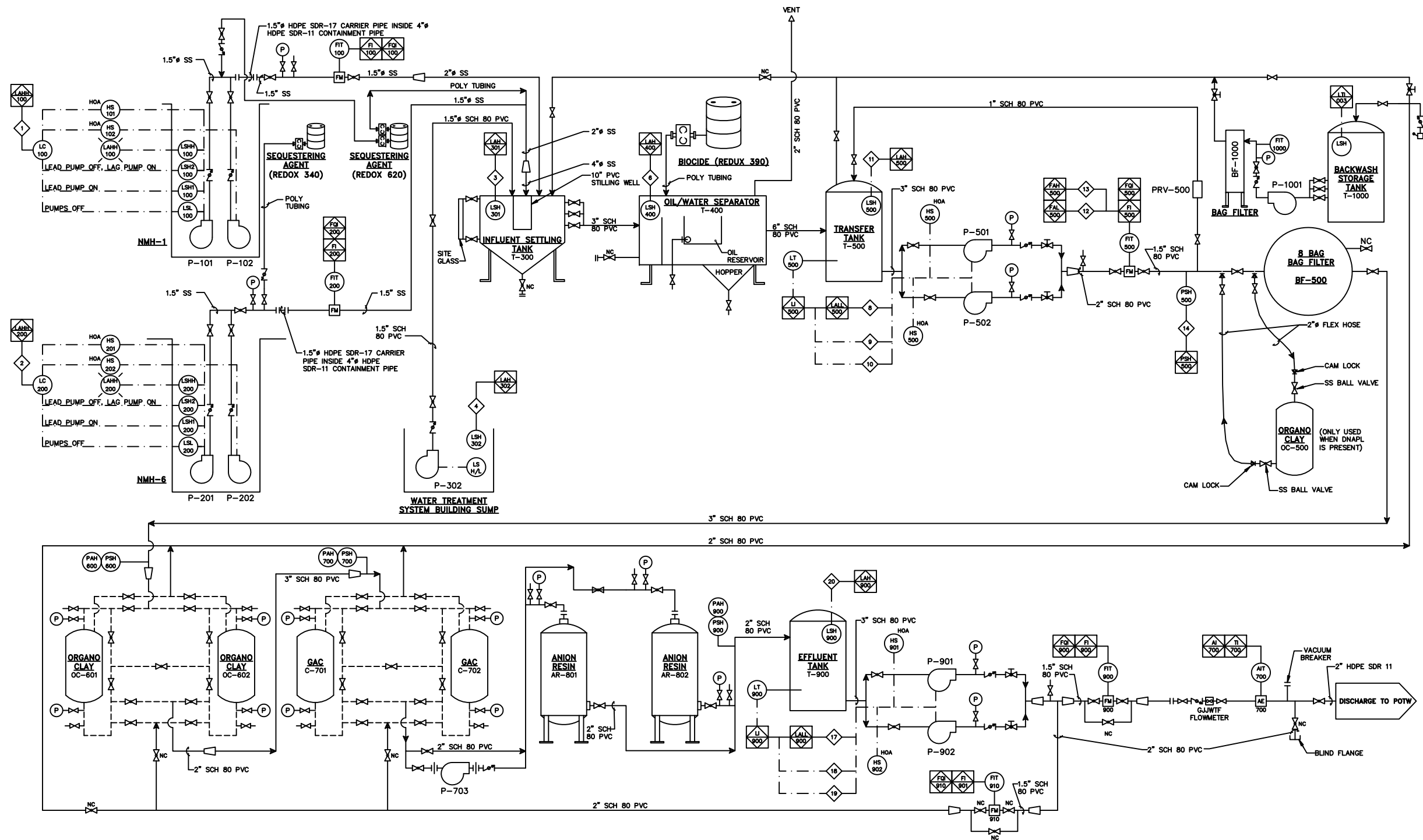
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Date
1-22-18
Figure
3

Not to Scale



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.
Designed
Approved

Date
07/23/19
Figure

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MAJOR EQUIPMENT AND INSTRUMENTATION SPECIFICATIONS:

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

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

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

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

BUILDING SUMP PUMP (P-302)

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

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

OIL/WATER SEPARATOR (T-400)

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

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

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

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

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

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

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

BYPASS ORGANO CLAY FILTRATION VESSEL (OC-500)*

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

*UTILIZED ONLY WHEN DNAPL IS VISUAL IN OWS

VARIABLE FREQUENCY DRIVE (V-700)

QUANTITY: 1
MANUFACTURER: SQUARE D

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

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

PRESSURE SWITCH (PSH-500)

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

PRESSURE RELIEF VALVE (PRV-500)

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

BAG FILTERS (BF-500)

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

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

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

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

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

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

PH/TEMPERATURE ANALYZING TRANSMITTER (AIT-700)

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

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

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

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

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

MECHANICAL FLOW METER (FM-920)

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

CHEMICAL FEED PUMP

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

SEQUESTERING AGENT

TYPE: REDUX390
MANUFACTURER: REDUX CHEM.

BIOCIDE

TYPE: BIOBROM C-105L
MANUFACTURER: CLEARON CORPORATION

BACKWASH STORAGE TANK T-1000

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

ABBREVIATIONS

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

LEGEND:

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

MAIN PLC INTERLOCKS:

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

Process and Instrumentation Diagram Legend

National Grid
20 Hill Street
Gloversville, New York

Drawn
W.G.S.
Designed

Approved

Date
1-30-18
Figure
5

Not to Scale



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

Attachment B - Tables

Table 1

Effluent Permit and Analytical Data
24-Hour Composite Sample

Parameter	Maximum 24-Hour Pollutant Concentrations (mg/L)	Frequency Requirements	03/11/19
Antimony	1.50	Semi-Annual	ND < 0.0060
Arsenic	0.10	Semi-Annual	ND < 0.0050
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	ND < 0.010
Naphthalene	0.30	Semi-Annual	ND < 0.010
Aldrin	0.00005	Semi-Annual	ND < 0.052
BHC, Isomers (sum)	0.0002	Semi-Annual	ND < 0.052
Total Chlorinated Phenols	0.01	Semi-Annual	ND < 0.010
Pentachlorophenol	0.01	Semi-Annual	ND < 0.025

mg/L = milligrams per Liter

Table 2

Effluent Permit and Analytical Data
Grab Sample

Parameter	Peak Instantaneous Concentrations (mg/L)	Frequency Requirements	03/11/19
Benzene	0.014	Semi-Annual	ND < 0.0010
Chloroform	0.41	Semi-Annual	ND < 0.0010
Cyanide, Total	0.10	Semi-Annual	ND < 0.010
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 < 0.025
Oil & Grease	150	Semi-Annual	ND < 4.8
Temperature, °F	150	Semi-Annual	77.0
pH, SU	6-10	Semi-Annual	7.4

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

Attachment C – Monthly Inspection Forms

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

Date: 1/7/2019

Time: 1100

Technician: pd

Weather: Clear 15

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 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: 2/6/2019

Time: 1000

Technician: KL

Weather: Cloudy 27

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 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: 3/5/2019

Time: 1630

Technician: KL/PD

Weather: Cloudy 22

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 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: 4/02/2019

Time: 1000

Technician: KL/PD

Weather: Sunny 36

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 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	

Cleaned up the rip rap and around the pond where the snow contractor had piled up snow

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

Date: 5/07/2019

Time: 1200

Technician: KL

Weather: Cloudy 60

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 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	

Cleaned up the rip rap and around the pond where the snow contractor had piled up snow

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

Date: 6/4/2019

Time: 1115

Technician: KL/PD

Weather: Sunny 62

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 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	

Attachment D – Weekly Inspection Forms

Date: 6/26/2019

National Grid
Gloversville, New York

Technician: PD

Time: 0900

Weather: Clear 65

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	1			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	0			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	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?	176		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: 6/18/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1130

Weather: Cloudy 65

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	1			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	0			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	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?	184		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: 6/10/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1200

Weather: Sunny 65

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	2			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	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?	192		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: 6/4/2019

National Grid
Gloversville, New York

Technician: KL/PD

Time: 1115

Weather: PC 60

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	2			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	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?	200		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: 5/29/2019

National Grid
Gloversville, New YorkTechnician: KL
Weather: PC 60

Time: 1130

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?	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: 5/21/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1145

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	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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 5/14/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1130

Weather: Rain 52

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?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 5/7/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1200

Weather: Cloudy 60

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?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	82		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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date:4/30/2019

National Grid
Gloversville, New York

Technician: KL

Time: 0900

Weather: Rain 52

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?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	90		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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	98		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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date:4/16/2019

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	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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	106		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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date:4/09/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1245

Weather: sunny 66

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	114		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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 4/02/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1000

Weather: sunny 35

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	p	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?	122		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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 3/26/2019

National Grid
Gloversville, New York

Technician: KL

time: 1200

Weather: sunny 35

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	6			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	p	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	130		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 3/19/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1100

Weather: PC 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	7			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	5			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	p	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	138		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2019
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date:3/11/2019

National Grid
Gloversville, New YorkTechnician: KL
Weather: PC 38

Time: 1200

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	7			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	5			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	p	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?	26		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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date:3/5/2019

National Grid
Gloversville, New York

Technician: KL/PD

Time: 1530

Weather: PC 22

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	1			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	0			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	0			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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 3/6/2018
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 2/27/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1130

Weather: cloudy 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	2			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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 3/6/2018
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 2/19/2019

National Grid
Gloversville, New York

Technician: KL

Time: 0830

Weather: sunny 2

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	2			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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 3/6/2018
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 2/11/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1200

Weather: Cloudy 27

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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 3/6/2018
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 2/6/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1000

Weather: Cloudy 27

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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 3/6/2018
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 1/29/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1230

Weather: Snow 24

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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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 3/6/2018
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 1/23/2019

National Grid
Gloversville, New York

Technician: KL

Time: 1130

Weather: Cloudy 24

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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	82		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 1/15/2019

National Grid
Gloversville, New York

Technician: KL/PD

Time: 830

Weather: Clear 10

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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	90		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 1/7/2019

National Grid
Gloversville, New York

Technician: PD

Time: 830

Weather: Clear 10

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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	98		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Date: 1/03/2019

National Grid
Gloversville, New YorkTechnician: KL
Weather: PC 33

Time: 1200

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No		
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 5/23/2018 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/23/2018 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 5/23/2018 Sun	
OWS media in good condition?	Yes	No	New Media 5/23/2018	
Clean OWS media?	Yes	No	New Media 5/23/2018	
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?	98		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2018
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2018
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 5/23/2018 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/23/2018 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	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 5/23/2018 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 9/16/2014	
Pump P-202 operating?	Yes	No	New unit 9/16/2014	

Attachment E – Treated Effluent Water Analytical Data

March 25, 2019

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

RE: Project: National Grid - Gloversville
Pace Project No.: 30284308

Dear Devin Shay:

Enclosed are the analytical results for sample(s) received by the laboratory on March 15, 2019. 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.

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

Sincerely,



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

Enclosures

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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: National Grid - Gloversville

Pace Project No.: 30284308

Pennsylvania Certification IDs

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

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas/TNI Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA180012

Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: 2017020

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572018-1

New Hampshire/TNI Certification #: 297617

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-010

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: 02867

Texas/TNI Certification #: T104704188-17-3

Utah/TNI Certification #: PA014572017-9

USDA Soil Permit #: P330-17-00091

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 9526

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: National Grid - Gloversville

Pace Project No.: 30284308

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30284308001	System Effluent Composite 0319	Water	03/14/19 13:25	03/15/19 09:30

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SAMPLE ANALYTE COUNT

Project: National Grid - Gloversville

Pace Project No.: 30284308

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30284308001	System Effluent Composite 0319	EPA 608	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 Low Level	EAC	12	PASI-PA
		SM 3500-CrB-2011	JWL	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284308

Method: EPA 608

Description: 608 GCS Pesticides

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

Date: March 25, 2019

General Information:

1 sample was analyzed for EPA 608. 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 SF 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: 334243

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

- BLANK (Lab ID: 1626659)
 - Decachlorobiphenyl (S)
 - alpha-BHC
 - beta-BHC
 - delta-BHC
 - gamma-BHC (Lindane)
- LCS (Lab ID: 1626660)
 - Decachlorobiphenyl (S)
 - alpha-BHC
 - beta-BHC
 - delta-BHC
 - gamma-BHC (Lindane)
- System Effluent Composite 0319 (Lab ID: 30284308001)
 - Decachlorobiphenyl (S)
 - alpha-BHC
 - beta-BHC
 - delta-BHC
 - gamma-BHC (Lindane)

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.

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284308

Method: EPA 608

Description: 608 GCS Pesticides

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

Date: March 25, 2019

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: 334243

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

Additional Comments:

Analyte Comments:

QC Batch: 334243

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

- System Effluent Composite 0319 (Lab ID: 30284308001)
 - Aldrin
 - alpha-BHC
 - beta-BHC
 - delta-BHC
 - gamma-BHC (Lindane)

3c: Retention times shifted during the analytical sequence such that the retention times for target analytes and surrogates in samples, QC samples, and standards fell outside of their respective retention time windows. Standards and QC samples were used to aid analyte identification in samples. The peak(s) for this analyte was(were) manually identified.

- LCS (Lab ID: 1626660)
 - Decachlorobiphenyl (S)

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284308

Method: 200.7 Rev4.4, 1994

Description: 200.7 Metals, Total

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

Date: March 25, 2019

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:

Analyte Comments:

QC Batch: 333988

5c: The PDS recovery was outside of the laboratory control limits. Result may be biased high

- System Effluent Composite 0319 (Lab ID: 30284308001)
 - Silver
 - Antimony

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284308

Method: 245.1 Rev. 3.0, 1994

Description: 245.1 Mercury

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

Date: March 25, 2019

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: 334053

5c: The PDS recovery was outside of the laboratory control limits. Result may be biased high

- System Effluent Composite 0319 (Lab ID: 30284308001)
- Mercury

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284308

Method: EPA 625 Low Level

Description: 625 MSSV Low Level

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

Date: March 25, 2019

General Information:

1 sample was analyzed for EPA 625 Low Level. 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 Low Level 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.

QC Batch: 334708

IS: The internal standard response is below criteria. Results may be biased high.

- MS (Lab ID: 1628753)
 - Terphenyl-d14 (S)
- MSD (Lab ID: 1628754)
 - Terphenyl-d14 (S)
- System Effluent Composite 0319 (Lab ID: 30284308001)
 - Terphenyl-d14 (S)

Surrogates:

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

QC Batch: 334708

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 1628753)
 - Terphenyl-d14 (S)
- MSD (Lab ID: 1628754)
 - Terphenyl-d14 (S)

ST: Surrogate recovery was above laboratory control limits. Results may be biased high.

- System Effluent Composite 0319 (Lab ID: 30284308001)
 - Terphenyl-d14 (S)

Method Blank:

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

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284308

Method: EPA 625 Low Level

Description: 625 MSSV Low Level

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

Date: March 25, 2019

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284308

Method: SM 3500-CrB-2011

Description: Chromium, Hexavalent

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

Date: March 25, 2019

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.

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

Batch Comments:

Due to insufficient sample volume an LCSD was run.

- QC Batch: 333836

Analyte Comments:

QC Batch: 333836

2c: Due to insufficient sample volume an LCSD was run.

- BLANK (Lab ID: 1624757)
 - Chromium, Hexavalent
- LCS (Lab ID: 1624758)
 - Chromium, Hexavalent
- LCSD (Lab ID: 1624759)
 - Chromium, Hexavalent
- System Effluent Composite 0319 (Lab ID: 30284308001)
 - Chromium, Hexavalent

4c: Samples were Lab filtered

- System Effluent Composite 0319 (Lab ID: 30284308001)
 - Chromium, Hexavalent

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid - Gloversville
Pace Project No.: 30284308

Sample: System Effluent **Lab ID:** 30284308001 **Collected:** 03/14/19 13:25 **Received:** 03/15/19 09:30 **Matrix:** Water
Composite 0319

Comments:

- Client sample ID on container did not match COC; error was on the preprinted label provided.
- Hexavalent Chromium was not field filtered.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
608 GCS Pesticides Analytical Method: EPA 608 Preparation Method: EPA 608 SF									
Aldrin	ND	ug/L	0.052	0.0017	1	03/19/19 12:38	03/20/19 22:27	309-00-2	1c
alpha-BHC	ND	ug/L	0.052	0.0016	1	03/19/19 12:38	03/20/19 22:27	319-84-6	1c,CH
beta-BHC	ND	ug/L	0.052	0.0021	1	03/19/19 12:38	03/20/19 22:27	319-85-7	1c,CH
delta-BHC	ND	ug/L	0.052	0.0017	1	03/19/19 12:38	03/20/19 22:27	319-86-8	1c,CH
gamma-BHC (Lindane)	ND	ug/L	0.052	0.0012	1	03/19/19 12:38	03/20/19 22:27	58-89-9	1c,CH
Surrogates									
Tetrachloro-m-xylene (S)	60	%.	21-100		1	03/19/19 12:38	03/20/19 22:27	877-09-8	
Decachlorobiphenyl (S)	86	%.	10-113		1	03/19/19 12:38	03/20/19 22:27	2051-24-3	CH
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	03/16/19 05:50	03/20/19 21:59	7440-36-0	5c
Arsenic	ND	mg/L	0.0050	0.0045	1	03/16/19 05:50	03/20/19 21:59	7440-38-2	
Cadmium	ND	mg/L	0.0030	0.00034	1	03/16/19 05:50	03/20/19 21:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00052	1	03/16/19 05:50	03/20/19 21:59	7440-47-3	
Copper	ND	mg/L	0.0050	0.0018	1	03/16/19 05:50	03/20/19 21:59	7440-50-8	
Lead	ND	mg/L	0.0050	0.0024	1	03/16/19 05:50	03/20/19 21:59	7439-92-1	
Nickel	ND	mg/L	0.010	0.0015	1	03/16/19 05:50	03/20/19 21:59	7440-02-0	
Selenium	ND	mg/L	0.0080	0.0038	1	03/16/19 05:50	03/20/19 21:59	7782-49-2	
Silver	ND	mg/L	0.0060	0.0011	1	03/16/19 05:50	03/20/19 21:59	7440-22-4	5c
Thallium	ND	mg/L	0.010	0.0033	1	03/16/19 05:50	03/20/19 21:59	7440-28-0	
Zinc	ND	mg/L	0.010	0.0042	1	03/16/19 05:50	03/20/19 21:59	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	03/18/19 10:11	03/18/19 17:53	7439-97-6	5c
625 MSSV Low Level Analytical Method: EPA 625 Low Level Preparation Method: EPA 625 Low Level									
2,4,6-Trichlorophenol	ND	ug/L	1.0	0.15	1	03/21/19 09:12	03/22/19 11:20	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.0	0.12	1	03/21/19 09:12	03/22/19 11:20	120-83-2	
2-Chlorophenol	ND	ug/L	1.0	0.13	1	03/21/19 09:12	03/22/19 11:20	95-57-8	
4-Chloro-3-methylphenol	ND	ug/L	1.0	0.13	1	03/21/19 09:12	03/22/19 11:20	59-50-7	
Naphthalene	ND	ug/L	1.0	0.11	1	03/21/19 09:12	03/22/19 11:20	91-20-3	
Pentachlorophenol	ND	ug/L	2.5	0.86	1	03/21/19 09:12	03/22/19 11:20	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	50	%.	15-104		1	03/21/19 09:12	03/22/19 11:20	4165-60-0	
2-Fluorobiphenyl (S)	49	%.	14-113		1	03/21/19 09:12	03/22/19 11:20	321-60-8	
Terphenyl-d14 (S)	257	%.	26-159		1	03/21/19 09:12	03/22/19 11:20	1718-51-0	IS,ST
Phenol-d6 (S)	19	%.	10-48		1	03/21/19 09:12	03/22/19 11:20	13127-88-3	
2-Fluorophenol (S)	32	%.	10-66		1	03/21/19 09:12	03/22/19 11:20	367-12-4	
2,4,6-Tribromophenol (S)	55	%.	24-131		1	03/21/19 09:12	03/22/19 11:20	118-79-6	
Chromium, Hexavalent Analytical Method: SM 3500-CrB-2011									
Chromium, Hexavalent	ND	mg/L	0.010	0.0054	1		03/15/19 12:11	18540-29-9	2c,4c

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30284308

QC Batch: 334053 Analysis Method: 245.1 Rev. 3.0, 1994
QC Batch Method: 245.1 Rev. 3.0, 1994 Analysis Description: 245.1 Mercury
Associated Lab Samples: 30284308001

METHOD BLANK: 1626085 Matrix: Water
Associated Lab Samples: 30284308001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000030	03/18/19 17:21	

LABORATORY CONTROL SAMPLE: 1626086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.001	0.00092	92	85-115	

MATRIX SPIKE SAMPLE: 1626088

Parameter	Units	30283509004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	0.0025	0.0027	108	70-130	

MATRIX SPIKE SAMPLE: 1626090

Parameter	Units	30283884002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	0.0025	0.0021	84	70-130	

SAMPLE DUPLICATE: 1626087

Parameter	Units	30283509004 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 1626089

Parameter	Units	30283884002 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

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30284308

QC Batch:	333988	Analysis Method:	200.7 Rev4.4, 1994
QC Batch Method:	200.7 Rev4.4, 1994	Analysis Description:	200.7 Metals, Total
Associated Lab Samples:	30284308001		

METHOD BLANK: 1625691 Matrix: Water
Associated Lab Samples: 30284308001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0060	0.0055	03/20/19 20:08	
Arsenic	mg/L	ND	0.0050	0.0045	03/20/19 20:08	
Cadmium	mg/L	ND	0.0030	0.00034	03/20/19 20:08	
Chromium	mg/L	ND	0.0050	0.00052	03/20/19 20:08	
Copper	mg/L	ND	0.0050	0.0018	03/20/19 20:08	
Lead	mg/L	ND	0.0050	0.0024	03/20/19 20:08	
Nickel	mg/L	ND	0.010	0.0015	03/20/19 20:08	
Selenium	mg/L	ND	0.0080	0.0038	03/20/19 20:08	
Silver	mg/L	ND	0.0060	0.0011	03/20/19 20:08	
Thallium	mg/L	ND	0.010	0.0033	03/20/19 20:08	
Zinc	mg/L	ND	0.010	0.0042	03/20/19 20:08	

LABORATORY CONTROL SAMPLE: 1625692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.5	0.49	98	85-115	
Arsenic	mg/L	0.5	0.47	93	85-115	
Cadmium	mg/L	0.5	0.49	97	85-115	
Chromium	mg/L	0.5	0.48	96	85-115	
Copper	mg/L	0.5	0.46	92	85-115	
Lead	mg/L	0.5	0.46	92	85-115	
Nickel	mg/L	0.5	0.49	97	85-115	
Selenium	mg/L	0.5	0.49	98	85-115	
Silver	mg/L	0.25	0.24	96	85-115	
Thallium	mg/L	0.5	0.46	92	85-115	
Zinc	mg/L	0.5	0.48	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1625694 1625695

Parameter	Units	30284401004 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	0.51	0.51	103	102	70-130	1	20	
Arsenic	mg/L	ND	0.5	0.5	0.50	0.49	100	99	70-130	1	20	
Cadmium	mg/L	ND	0.5	0.5	0.51	0.50	102	101	70-130	1	20	
Chromium	mg/L	ND	0.5	0.5	0.49	0.49	97	98	70-130	1	20	
Copper	mg/L	ND	0.5	0.5	0.49	0.49	97	98	70-130	1	20	
Lead	mg/L	ND	0.5	0.5	0.48	0.48	96	96	70-130	1	20	
Nickel	mg/L	ND	0.5	0.5	0.50	0.50	99	99	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30284308

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1625694 1625695											
Parameter	Units	30284401004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Selenium	mg/L	ND	0.5	0.5	0.51	0.51	103	101	70-130	1	20
Silver	mg/L	ND	0.25	0.25	0.25	0.25	98	100	70-130	1	20
Thallium	mg/L	ND	0.5	0.5	0.48	0.48	96	95	70-130	1	20
Zinc	mg/L	ND	0.5	0.5	0.51	0.50	100	99	70-130	1	20

MATRIX SPIKE SAMPLE: 1625697							
Parameter	Units	30284313001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	ND	0.5	0.51	101	70-130	
Arsenic	mg/L	ND	0.5	0.48	95	70-130	
Cadmium	mg/L	ND	0.5	0.49	99	70-130	
Chromium	mg/L	ND	0.5	0.49	99	70-130	
Copper	mg/L	ND	0.5	0.48	96	70-130	
Lead	mg/L	ND	0.5	0.47	93	70-130	
Nickel	mg/L	ND	0.5	0.49	99	70-130	
Selenium	mg/L	ND	0.5	0.49	98	70-130	
Silver	mg/L	ND	0.25	0.25	100	70-130	
Thallium	mg/L	ND	0.5	0.47	94	70-130	
Zinc	mg/L	ND	0.5	0.49	99	70-130	

SAMPLE DUPLICATE: 1625693						
Parameter	Units	30284401004 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	0.0093		20	
Copper	mg/L	ND	.0031J		20	
Lead	mg/L	ND	ND		20	
Nickel	mg/L	ND	.0052J		20	
Selenium	mg/L	ND	ND		20	
Silver	mg/L	ND	ND		20	
Thallium	mg/L	ND	ND		20	
Zinc	mg/L	ND	.0087J		20	

SAMPLE DUPLICATE: 1625696						
Parameter	Units	30284313001 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	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30284308

SAMPLE DUPLICATE: 1625696

Parameter	Units	30284313001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium	mg/L	ND	ND		20	
Copper	mg/L	ND	ND		20	
Lead	mg/L	ND	ND		20	
Nickel	mg/L	ND	ND		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	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30284308

QC Batch: 334243

Analysis Method: EPA 608

QC Batch Method: EPA 608 SF

Analysis Description: 608 GCS Pesticide

Associated Lab Samples: 30284308001

METHOD BLANK: 1626659

Matrix: Water

Associated Lab Samples: 30284308001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aldrin	ug/L	ND	0.050	0.0016	03/21/19 02:33	
alpha-BHC	ug/L	ND	0.050	0.0016	03/21/19 02:33	CH
beta-BHC	ug/L	ND	0.050	0.0020	03/21/19 02:33	CH
delta-BHC	ug/L	ND	0.050	0.0016	03/21/19 02:33	CH
gamma-BHC (Lindane)	ug/L	ND	0.050	0.0011	03/21/19 02:33	CH
Decachlorobiphenyl (S)	%	57	10-113		03/21/19 02:33	CH
Tetrachloro-m-xylene (S)	%	77	21-100		03/21/19 02:33	

LABORATORY CONTROL SAMPLE: 1626660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aldrin	ug/L	0.2	0.14	71	46-104	
alpha-BHC	ug/L	0.2	0.17	83	46-114	CH
beta-BHC	ug/L	0.2	0.17	86	52-110	CH
delta-BHC	ug/L	0.2	0.23	117	48-129	CH
gamma-BHC (Lindane)	ug/L	0.2	0.17	85	51-114	CH
Decachlorobiphenyl (S)	%			54	10-113	3c,CH
Tetrachloro-m-xylene (S)	%			74	21-100	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30284308

QC Batch: 334708 Analysis Method: EPA 625 Low Level
QC Batch Method: EPA 625 Low Level Analysis Description: 625 MSS Low Level
Associated Lab Samples: 30284308001

METHOD BLANK: 1628751 Matrix: Water
Associated Lab Samples: 30284308001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,6-Trichlorophenol	ug/L	ND	1.0	0.15	03/21/19 17:11	
2,4-Dichlorophenol	ug/L	ND	1.0	0.12	03/21/19 17:11	
2-Chlorophenol	ug/L	ND	1.0	0.13	03/21/19 17:11	
4-Chloro-3-methylphenol	ug/L	ND	1.0	0.13	03/21/19 17:11	
Naphthalene	ug/L	ND	1.0	0.11	03/21/19 17:11	
Pentachlorophenol	ug/L	ND	2.5	0.85	03/21/19 17:11	
2,4,6-Tribromophenol (S)	%	71	24-131		03/21/19 17:11	
2-Fluorobiphenyl (S)	%	66	14-113		03/21/19 17:11	
2-Fluorophenol (S)	%	46	10-66		03/21/19 17:11	
Nitrobenzene-d5 (S)	%	66	15-104		03/21/19 17:11	
Phenol-d6 (S)	%	35	10-48		03/21/19 17:11	
Terphenyl-d14 (S)	%	81	26-159		03/21/19 17:11	

LABORATORY CONTROL SAMPLE: 1628752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Trichlorophenol	ug/L	10	8.7	87	37-124	
2,4-Dichlorophenol	ug/L	10	6.8	68	39-92	
2-Chlorophenol	ug/L	10	6.7	67	25-98	
4-Chloro-3-methylphenol	ug/L	10	7.1	71	28-99	
Naphthalene	ug/L	10	5.5	55	55-81	
Pentachlorophenol	ug/L	10	7.4	74	22-152	
2,4,6-Tribromophenol (S)	%			84	24-131	
2-Fluorobiphenyl (S)	%			71	14-113	
2-Fluorophenol (S)	%			46	10-66	
Nitrobenzene-d5 (S)	%			59	15-104	
Phenol-d6 (S)	%			35	10-48	
Terphenyl-d14 (S)	%			90	26-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1628753 1628754

Parameter	Units	30284375001 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	10.6	10.4	10.7	12.0	101	115	37-124	11	24	
2,4-Dichlorophenol	ug/L	ND	10.6	10.4	9.3J	10.6	88	102	39-92		24 M6	
2-Chlorophenol	ug/L	ND	10.6	10.4	8.3J	8.8J	78	85	25-98		24	
4-Chloro-3-methylphenol	ug/L	ND	10.6	10.4	9.7J	11.0	91	106	28-99		24 M6	
Naphthalene	ug/L	ND	10.6	10.4	6.2J	6.9J	58	66	55-81		24	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30284308

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1628753 1628754											
Parameter	Units	30284375001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Pentachlorophenol	ug/L	ND	10.6	10.4	ND	12.6J	64	121	22-152	24	
2,4,6-Tribromophenol (S)	%.						96	119	24-131		
2-Fluorobiphenyl (S)	%.						82	89	14-113		
2-Fluorophenol (S)	%.						44	47	10-66		
Nitrobenzene-d5 (S)	%.						78	91	15-104		
Phenol-d6 (S)	%.						28	31	10-48		
Terphenyl-d14 (S)	%.						261	271	26-159		IS,S4

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30284308

QC Batch: 333836

Analysis Method: SM 3500-CrB-2011

QC Batch Method: SM 3500-CrB-2011

Analysis Description: Chromium, Hexavalent by 3500

Associated Lab Samples: 30284308001

METHOD BLANK: 1624757

Matrix: Water

Associated Lab Samples: 30284308001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	ND	0.010	0.0054	03/15/19 12:09	2c

LABORATORY CONTROL SAMPLE & LCSD: 1624758

1624759

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	mg/L	0.25	0.22	0.23	90	93	85-115	3	20	2c

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: National Grid - Gloversville
Pace Project No.: 30284308

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: 333836
[1] Due to insufficient sample volume an LCSD was run.
Batch: 334243
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1c A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
2c Due to insufficient sample volume an LCSD was run.
3c Retention times shifted during the analytical sequence such that the retention times for target analytes and surrogates in samples, QC samples, and standards fell outside of their respective retention time windows. Standards and QC samples were used to aid analyte identification in samples. The peak(s) for this analyte was(were) manually identified.
4c Samples were Lab filtered
5c 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.
IS The internal standard response is below criteria. Results may be biased high.
M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
S4 Surrogate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: National Grid - Gloversville

Pace Project No.: 30284308

ANALYTE QUALIFIERS

ST Surrogate recovery was above laboratory control limits. Results may be biased high.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: National Grid - Gloversville

Pace Project No.: 30284308

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30284308001	System Effluent Composite 0319	EPA 608 SF	334243	EPA 608	334470
30284308001	System Effluent Composite 0319	200.7 Rev4.4, 1994	333988	200.7 Rev4.4, 1994	334002
30284308001	System Effluent Composite 0319	245.1 Rev. 3.0, 1994	334053	245.1 Rev. 3.0, 1994	334092
30284308001	System Effluent Composite 0319	EPA 625 Low Level	334708	EPA 625 Low Level	334858
30284308001	System Effluent Composite 0319	SM 3500-CrB-2011	333836		

REPORT OF LABORATORY ANALYSIS

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Pittsburgh Lab Sample Condition Upon Receipt



Client Name: GES

Project # 30284408

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

Tracking #: 4757 4090 5899

Label	<u>MMH</u>
LIMS Login	<u>MMH</u>

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

Thermometer Used 10 Type of Ice: ☒ Blue ☐ None

Cooler Temperature Observed Temp 1.6 °C Correction Factor: 10.0 °C Final Temp: 1.6 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot#	Date and Initials of person examining contents:
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>10D3581</u>	<u>MMH 3/15/19</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sample Labels match COC:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
-Includes date/time/ID Matrix: <u>WT</u>					<u>System effluent Grab 0918</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Short Hold Time Analysis (<72hr remaining):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rush Turn Around Time Requested:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-Pace Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Orthophosphate field filtered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Hex Cr Aqueous Compliance/NPDES sample field filtered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<u>not indicated</u>
Organic Samples checked for dechlorination:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Filtered volume received for Dissolved tests	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
All containers have been checked for preservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
exceptions: VOA, coliform, TOC, O&G, <u>Phenolics</u>				Initial when completed: <u>MMH</u>	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Trip Blank Present:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Trip Blank Custody Seals Present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rad Samples Screened < 0.5 mrem/hr	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Initial when completed: <u>MMH</u>	Date:

Client Notification/ Resolution:

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

Comments/ Resolution: _____

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

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

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

April 02, 2019

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

RE: Project: National Grid - Gloversville
Pace Project No.: 30284375

Dear Devin Shay:

Enclosed are the analytical results for sample(s) received by the laboratory on March 15, 2019. 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 Total 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 Christner
rachel.christner@pacelabs.com
724-850-5611
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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April 02, 2019
Page 2

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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: National Grid - Gloversville

Pace Project No.: 30284375

Pennsylvania Certification IDs

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

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas/TNI Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA180012

Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: 2017020

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572018-1

New Hampshire/TNI Certification #: 297617

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-010

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: 02867

Texas/TNI Certification #: T104704188-17-3

Utah/TNI Certification #: PA014572017-9

USDA Soil Permit #: P330-17-00091

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 9526

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: National Grid - Gloversville

Pace Project No.: 30284375

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30284375001	System Effluent Grab 0319	Water	03/14/19 13:20	03/15/19 09:30
30284375002	Trip Blank	Water	03/14/19 13:20	03/15/19 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: National Grid - Gloversville

Pace Project No.: 30284375

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30284375001	System Effluent Grab 0319	EPA 625 Low Level	EAC	7	PASI-PA
		EPA 624	LEL	10	PASI-PA
		EPA 1664A	SEF	1	PASI-PA
		SM 4500H+B-2011	ZMH	1	PASI-PA
		SM 4500CNE-2011	LEP	1	PASI-PA
30284375002	Trip Blank	EPA 624	LEL	10	PASI-PA

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284375

Method: EPA 625 Low Level

Description: 625 MSSV Low Level

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

Date: April 02, 2019

General Information:

1 sample was analyzed for EPA 625 Low Level. 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.

ED: Due to the extract's physical characteristics, the analysis was performed at dilution.

- System Effluent Grab 0319 (Lab ID: 30284375001)

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 Low Level 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.

QC Batch: 334708

IS: The internal standard response is below criteria. Results may be biased high.

- MS (Lab ID: 1628753)
 - Terphenyl-d14 (S)
- MSD (Lab ID: 1628754)
 - Terphenyl-d14 (S)
- System Effluent Grab 0319 (Lab ID: 30284375001)
 - Terphenyl-d14 (S)

Surrogates:

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

QC Batch: 334708

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 1628753)
 - Terphenyl-d14 (S)
- MSD (Lab ID: 1628754)
 - Terphenyl-d14 (S)
- System Effluent Grab 0319 (Lab ID: 30284375001)
 - Terphenyl-d14 (S)

Method Blank:

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

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284375

Method: EPA 625 Low Level

Description: 625 MSSV Low Level

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

Date: April 02, 2019

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284375

Method: EPA 624

Description: 624 Volatile Organics

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

Date: April 02, 2019

General Information:

2 samples were analyzed for EPA 624. 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:

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284375

Method: EPA 1664A

Description: HEM, Oil and Grease

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

Date: April 02, 2019

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.

QC Batch: 335672

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 30285254002

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

- MS (Lab ID: 1633390)
 - Oil and Grease
- MSD (Lab ID: 1633391)
 - Oil and Grease

R1: RPD value was outside control limits.

- MSD (Lab ID: 1633391)
 - Oil and Grease

Additional Comments:

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284375

Method: SM 4500H+B-2011

Description: 4500H+ pH, Electrometric

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

Date: April 02, 2019

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.

H1: Analysis conducted outside the EPA method holding time.

- System Effluent Grab 0319 (Lab ID: 30284375001)

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

- System Effluent Grab 0319 (Lab ID: 30284375001)

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30284375

Method: SM 4500CNE-2011

Description: 4500CNE Cyanide, Total

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

Date: April 02, 2019

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.

Additional Comments:

Analyte Comments:

QC Batch: 334095

1c: CCB FAILED HIGH. ACCEPTED AS QC.

- MSD (Lab ID: 1626264)
- Cyanide

2c: CCB FAILED HIGH. ACCEPTED AS PASSING QC.

- BLANK (Lab ID: 1626258)
- Cyanide
- BLANK (Lab ID: 1626279)
- Cyanide

3c: CCB FAILED HIGH. ACCEPTED AS QC.

- MS (Lab ID: 1626263)
- Cyanide

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid - Gloversville

Pace Project No.: 30284375

Sample: System Effluent Grab 0319 Lab ID: 30284375001 Collected: 03/14/19 13:20 Received: 03/15/19 09:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV Low Level Analytical Method: EPA 625 Low Level Preparation Method: EPA 625 Low Level									
Pentachlorophenol	ND	ug/L	25.0	8.5	10	03/21/19 09:12	03/22/19 04:49	87-86-5	ED
Surrogates									
Nitrobenzene-d5 (S)	76	%	15-104		10	03/21/19 09:12	03/22/19 04:49	4165-60-0	
2-Fluorobiphenyl (S)	83	%	14-113		10	03/21/19 09:12	03/22/19 04:49	321-60-8	
Terphenyl-d14 (S)	302	%	26-159		10	03/21/19 09:12	03/22/19 04:49	1718-51-0	IS,S4
Phenol-d6 (S)	27	%	10-48		10	03/21/19 09:12	03/22/19 04:49	13127-88-3	
2-Fluorophenol (S)	40	%	10-66		10	03/21/19 09:12	03/22/19 04:49	367-12-4	
2,4,6-Tribromophenol (S)	95	%	24-131		10	03/21/19 09:12	03/22/19 04:49	118-79-6	
624 Volatile Organics Analytical Method: EPA 624									
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.34	1		03/26/19 13:44	79-34-5	
Benzene	ND	ug/L	1.0	0.24	1		03/26/19 13:44	71-43-2	
Chloroform	ND	ug/L	1.0	0.30	1		03/26/19 13:44	67-66-3	
Ethylbenzene	ND	ug/L	1.0	0.31	1		03/26/19 13:44	100-41-4	
Tetrachloroethene	ND	ug/L	1.0	0.32	1		03/26/19 13:44	127-18-4	
Toluene	ND	ug/L	1.0	0.30	1		03/26/19 13:44	108-88-3	
Surrogates									
4-Bromofluorobenzene (S)	103	%	80-120		1		03/26/19 13:44	460-00-4	
Toluene-d8 (S)	98	%	80-120		1		03/26/19 13:44	2037-26-5	
1,2-Dichloroethane-d4 (S)	104	%	80-120		1		03/26/19 13:44	17060-07-0	
Dibromofluoromethane (S)	106	%	80-120		1		03/26/19 13:44	1868-53-7	
HEM, Oil and Grease Analytical Method: EPA 1664A									
Oil and Grease	ND	mg/L	4.8	1.0	1		03/27/19 13:08		
4500H+ pH, Electrometric Analytical Method: SM 4500H+B-2011									
pH at 25 Degrees C	7.4	Std. Units	2.0	2.0	1		03/15/19 22:21		H1,H6
4500CNE Cyanide, Total Analytical Method: SM 4500CNE-2011 Preparation Method: SM 4500CNC-2011									
Cyanide	ND	mg/L	0.010	0.0057	1	03/18/19 11:47	03/18/19 20:31	57-12-5	

Sample: Trip Blank Lab ID: 30284375002 Collected: 03/14/19 13:20 Received: 03/15/19 09:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics Analytical Method: EPA 624									
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.34	1		03/26/19 13:19	79-34-5	
Benzene	ND	ug/L	1.0	0.24	1		03/26/19 13:19	71-43-2	
Chloroform	ND	ug/L	1.0	0.30	1		03/26/19 13:19	67-66-3	
Ethylbenzene	ND	ug/L	1.0	0.31	1		03/26/19 13:19	100-41-4	
Tetrachloroethene	ND	ug/L	1.0	0.32	1		03/26/19 13:19	127-18-4	
Toluene	ND	ug/L	1.0	0.30	1		03/26/19 13:19	108-88-3	
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-120		1		03/26/19 13:19	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid - Gloversville

Pace Project No.: 30284375

Sample: Trip Blank		Lab ID: 30284375002		Collected: 03/14/19 13:20		Received: 03/15/19 09:30		Matrix: Water		
Parameters		Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624								
Surrogates										
Toluene-d8 (S)		101	%.	80-120		1		03/26/19 13:19	2037-26-5	
1,2-Dichloroethane-d4 (S)		103	%.	80-120		1		03/26/19 13:19	17060-07-0	
Dibromofluoromethane (S)		103	%.	80-120		1		03/26/19 13:19	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30284375

QC Batch: 335506 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 30284375001, 30284375002

METHOD BLANK: 1632667 Matrix: Water

Associated Lab Samples: 30284375001, 30284375002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.34	03/26/19 12:55	
Benzene	ug/L	ND	1.0	0.24	03/26/19 12:55	
Chloroform	ug/L	ND	1.0	0.30	03/26/19 12:55	
Ethylbenzene	ug/L	ND	1.0	0.31	03/26/19 12:55	
Tetrachloroethene	ug/L	ND	1.0	0.32	03/26/19 12:55	
Toluene	ug/L	ND	1.0	0.30	03/26/19 12:55	
1,2-Dichloroethane-d4 (S)	%	103	80-120		03/26/19 12:55	
4-Bromofluorobenzene (S)	%	102	80-120		03/26/19 12:55	
Dibromofluoromethane (S)	%	104	80-120		03/26/19 12:55	
Toluene-d8 (S)	%	99	80-120		03/26/19 12:55	

LABORATORY CONTROL SAMPLE: 1632668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	18.7	94	72-121	
Benzene	ug/L	20	18.3	91	74-111	
Chloroform	ug/L	20	17.4	87	69-116	
Ethylbenzene	ug/L	20	18.6	93	79-113	
Tetrachloroethene	ug/L	20	17.9	89	78-118	
Toluene	ug/L	20	18.4	92	81-114	
1,2-Dichloroethane-d4 (S)	%			98	80-120	
4-Bromofluorobenzene (S)	%			103	80-120	
Dibromofluoromethane (S)	%			99	80-120	
Toluene-d8 (S)	%			102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1632669 1632670

Parameter	Units	30284375001 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	18.5	16.9	93	85	68-111	9	30	
Benzene	ug/L	ND	20	20	18.8	16.7	94	83	71-122	12	30	
Chloroform	ug/L	ND	20	20	17.7	16.0	88	80	67-122	10	30	
Ethylbenzene	ug/L	ND	20	20	17.9	16.4	89	82	66-127	9	30	
Tetrachloroethene	ug/L	ND	20	20	17.7	16.2	89	81	77-135	9	30	
Toluene	ug/L	ND	20	20	18.7	17.0	93	85	77-122	9	30	
1,2-Dichloroethane-d4 (S)	%						99	100	80-120			
4-Bromofluorobenzene (S)	%						101	100	80-120			
Dibromofluoromethane (S)	%						100	99	80-120			

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30284375

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1632669 1632670											
Parameter	Units	30284375001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Toluene-d8 (S)	%.						101	101	80-120		

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30284375

QC Batch:	334708	Analysis Method:	EPA 625 Low Level
QC Batch Method:	EPA 625 Low Level	Analysis Description:	625 MSS Low Level
Associated Lab Samples:	30284375001		

METHOD BLANK: 1628751 Matrix: Water
Associated Lab Samples: 30284375001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Pentachlorophenol	ug/L	ND	2.5	0.85	03/21/19 17:11	
2,4,6-Tribromophenol (S)	%.	71	24-131		03/21/19 17:11	
2-Fluorobiphenyl (S)	%.	66	14-113		03/21/19 17:11	
2-Fluorophenol (S)	%.	46	10-66		03/21/19 17:11	
Nitrobenzene-d5 (S)	%.	66	15-104		03/21/19 17:11	
Phenol-d6 (S)	%.	35	10-48		03/21/19 17:11	
Terphenyl-d14 (S)	%.	81	26-159		03/21/19 17:11	

LABORATORY CONTROL SAMPLE: 1628752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pentachlorophenol	ug/L	10	7.4	74	22-152	
2,4,6-Tribromophenol (S)	%.			84	24-131	
2-Fluorobiphenyl (S)	%.			71	14-113	
2-Fluorophenol (S)	%.			46	10-66	
Nitrobenzene-d5 (S)	%.			59	15-104	
Phenol-d6 (S)	%.			35	10-48	
Terphenyl-d14 (S)	%.			90	26-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1628753 1628754

Parameter	Units	30284375001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Pentachlorophenol	ug/L	ND	10.6	10.4	ND	12.6J	64	121	22-152	24	
2,4,6-Tribromophenol (S)	%.						96	119	24-131		
2-Fluorobiphenyl (S)	%.						82	89	14-113		
2-Fluorophenol (S)	%.						44	47	10-66		
Nitrobenzene-d5 (S)	%.						78	91	15-104		
Phenol-d6 (S)	%.						28	31	10-48		
Terphenyl-d14 (S)	%.						261	271	26-159		IS,S4

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30284375

QC Batch:	335672	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	30284375001		

METHOD BLANK: 1633388 Matrix: Water

Associated Lab Samples: 30284375001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	4.8	1.0	03/27/19 13:01	

LABORATORY CONTROL SAMPLE: 1633389

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	33.9	85	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1633390 1633391

Parameter	Units	30285254002 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	6.5	42.1	42.1	31.5	16.2	59	23	78-114	64	18	ML, R1

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30284375

QC Batch:	333974	Analysis Method:	SM 4500H+B-2011
QC Batch Method:	SM 4500H+B-2011	Analysis Description:	4500H+B pH
Associated Lab Samples:	30284375001		

SAMPLE DUPLICATE: 1625429

Parameter	Units	30284438015 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.8	0	10	H3,H6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30284375

QC Batch: 334095 Analysis Method: SM 4500CNE-2011
QC Batch Method: SM 4500CNC-2011 Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 30284375001

METHOD BLANK: 1626257 Matrix: Water
Associated Lab Samples: 30284375001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.010	0.0057	03/18/19 20:02	

METHOD BLANK: 1626258 Matrix: Water
Associated Lab Samples: 30284375001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.010	0.0057	03/18/19 22:59	2c

METHOD BLANK: 1626279 Matrix: Water
Associated Lab Samples: 30284375001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.010	0.0057	03/18/19 22:59	2c

LABORATORY CONTROL SAMPLE: 1626260

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.2	0.19	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1626261 1626262

Parameter	Units	30283570002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	0.1	0.1	0.10	0.094	102	92	90-110	10	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1626263 1626264

Parameter	Units	30284413003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	0.1	0.1	0.10	0.098	100	95	90-110	5	20	1c,3c

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

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QUALIFIERS

Project: National Grid - Gloversville

Pace Project No.: 30284375

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

1c	CCB FAILED HIGH. ACCEPTED AS QC.
2c	CCB FAILED HIGH. ACCEPTED AS PASSING QC.
3c	CCB FAILED HIGH. ACCEPTED AS QC.
ED	Due to the extract's physical characteristics, the analysis was performed at dilution.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
IS	The internal standard response is below criteria. Results may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: National Grid - Gloversville

Pace Project No.: 30284375

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30284375001	System Effluent Grab 0319	EPA 625 Low Level	334708	EPA 625 Low Level	334858
30284375001	System Effluent Grab 0319	EPA 624	335506		
30284375002	Trip Blank	EPA 624	335506		
30284375001	System Effluent Grab 0319	EPA 1664A	335672		
30284375001	System Effluent Grab 0319	SM 4500H+B-2011	333974		
30284375001	System Effluent Grab 0319	SM 4500CNC-2011	334095	SM 4500CNE-2011	334257

REPORT OF LABORATORY ANALYSIS

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30284375

Page: 1 of 1

Section A

Required Client Information:

Company: GES - Syracuse
Address: 5 Technology Place, Suite 4
East Syracuse, New York 13057
Email To: dshay@gesonline.com
Phone: 800.220.3069 Fax: None
Requested Due Date/TAT: Standard

Section B

Required Project Information:

Report To: Devin Shay (GES)
dshay@gesonline.com
Report To: Tim Beaumont (GES)
tbeaumont@gesonline.com
Purchase Order No.:
Project Name: National Grid - Gloversville
Former MGP Site, Gloversville, NY
Project Number:
0603040-120780-221-1106

Section C

Invoice Information:

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

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

SITE

☐ GA ☐ IL ☐ IN ☐ M ☐ NC

LOCATION

☐ OH ☐ SC ☐ WI ☐ OTHER _____

Filtered (Y/N)

Requested Analysis:

Oil & Grease (1664)
Phenols Total (420.1)
Cyanide Total (420.1)
VOCs Reduced (420.1)
pH & Temperature (150.1)
Penicillins (150.1)

Pace Project Number Lab I.D.

ITEM #	Section D Required Client Information		Valid Matrix Codes		MATRIX CODE	G-GRAB	COLLECTED				SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives										Requested Analysis:	Pace Project Number Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	SAMPLE ID		MATRIX	CODE			COMPOSITE START	GRAB	Unpreserved	H ₂ SO ₄			HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Oil & Grease (1664)	Phenols Total (420.4)	Cyanide Total (4500 CN-E)	VOCs Reduced List (624)			pH & Temperature (152.1)	Pentachlorophenol																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	One Character per box. (A-Z, 0-9 / . -)		DRINKING WATER	DW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Additional Comments:

SAMPLES WILL ARRIVE IN

#

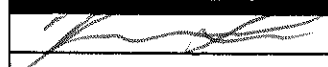
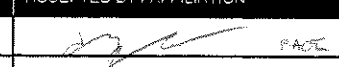
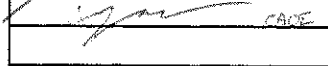
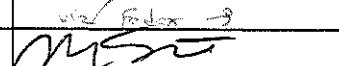

COOLERS.

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

NERegion@gesonline.com, ges@equisonline.com

SPECIFIC EDD NAME:

No Gloversville-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
		3/14/19	1330			3/14/19	1330		Y/N	Y/N	Y/N
		3/14/19	1600			3/14/19	1600		Y/N	Y/N	Y/N
						3/14/19	0930	2.4	Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY)

Temp in °C

Received on Ice

Custody Sealed Cooler

Samples Intact

Pittsburgh Lab Sample Condition Upon Receipt



Client Name: GES Syracuse Project # 30284375

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

Tracking #: 475740908903

Label	<u>m7</u>
LIMS Login	<u>m7</u>

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 2-4 °C Correction Factor: +6.8 °C Final Temp: 24 °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot#	Date and Initials of person examining contents:
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>10D3581</u>	<u>MSS3-1529</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-Includes date/time/ID Matrix: <u>WA</u>					
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Short Hold Time Analysis (<72hr remaining):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Rush Turn Around Time Requested:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-Pace Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Orthophosphate field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Hex Cr Aqueous Compliance/NPDES sample field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Organic Samples checked for dechlorination:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Filtered volume received for Dissolved tests	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
All containers have been checked for preservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
exceptions: <u>VOA</u> coliform, <u>TOC</u> , <u>O&G</u> Phenolics				Initial when completed <u>MSS</u>	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Trip Blank Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Rad Samples Screened < 0.5 mrem/hr	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Initial when completed:	Date:

Client Notification/ Resolution:

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

Comments/ Resolution: _____

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

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

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

March 31, 2019

Emailed Reports
Pace Analytical Services, Inc.

Certificate of Analysis

Project Name:	Rachel - RUSH Sample Submission	Workorder:	3022613
Purchase Order:	ASR-30284375	Workorder ID:	30284375

Dear Emailed Reports:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, March 19, 2019.

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

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

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

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

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

CC: 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 Laboratory Locations Across North America

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Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

**SAMPLE SUMMARY**

Workorder: 3022613 30284375

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3022613001	30284375001	Water	3/14/2019 13:20	3/19/2019 09:19	Collected by Client

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SAMPLE SUMMARY

Workorder: 3022613 30284375

Notes

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

Standard Acronyms/Flags

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

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**ANALYTICAL RESULTS**

Workorder: 3022613 30284375

Lab ID: **3022613001**
Sample ID: **30284375001**Date Collected: 3/14/2019 13:20 Matrix: Water
Date Received: 3/19/2019 09:19

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
------------	---------	------	-------	-----	--------	----------	----	----------	----	------

WET CHEMISTRY

Phenolics	ND		mg/L	0.005	EPA 420.4	3/21/19 13:00	RXB	3/26/19 14:55	RXB	A
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Ms. Sarah S Leung
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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**ANALYSIS - PREP METHOD CROSS REFERENCE TABLE**

Workorder: 3022613 30284375

Lab ID	Sample ID	Analysis Method	Prep Method
3022613001	30284375001	EPA 420.4	420.4/9066

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QUALITY CONTROL DATA

Workorder: 3022613 30284375

QC Batch: WCPR/46683 **Analysis Method:** EPA 420.4
QC Batch Method: 420.4/9066
Associated Lab Samples: 3022613001

MATRIX SPIKE SAMPLE: 2912148 ORIGINAL: 3022436001

****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	.07057	mg/L	.1	.17105	100	90 - 110

MATRIX SPIKE SAMPLE: 2912149 ORIGINAL: 3022560003

****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	-.00265	mg/L	.1	.10292	106	90 - 110

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QUALITY CONTROL DATA

Workorder: 3022613 30284375

QC Batch: WETC/219234 **Analysis Method:** EPA 420.4

QC Batch Method: EPA 420.4

Associated Lab Samples:

METHOD BLANK: 2914811

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

METHOD BLANK: 2912151

Parameter	Blank Result	Units	Reporting Limit
Phenolics	-0.002	mg/L	

METHOD BLANK: 2912153

Parameter	Blank Result	Units	Reporting Limit
Phenolics	-0.003	mg/L	

METHOD BLANK: 2914813

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.002	mg/L	

METHOD BLANK: 2914820

Parameter	Blank Result	Units	Reporting Limit
Phenolics	-0.005	mg/L	

METHOD BLANK: 2914825

Parameter	Blank Result	Units	Reporting Limit

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**QUALITY CONTROL DATA**

Workorder: 3022613 30284375

Phenolics	-0.004	mg/L
-----------	--------	------

METHOD BLANK: 2914827

Parameter	Blank Result	Units	Reporting Limit
Phenolics	-0.004	mg/L	

METHOD BLANK: 2915997

Parameter	Blank Result	Units	Reporting Limit
Phenolics	-0.002	mg/L	

METHOD BLANK: 2915999

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.001	mg/L	

METHOD BLANK: 2916001

Parameter	Blank Result	Units	Reporting Limit
Phenolics	-0.003	mg/L	

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**Workorder: 3022613 30284375

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
3022613001	30284375001	420.4/9066	WCPR/46683	EPA 420.4	WETC/219234

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Chain of Custody



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

Sample Condition upon Receipt:

(Please record the following information)

Temp in C		
Received on Ice	Yes	No
Sealed Cooler	Yes	No
Samples Intact	Yes	No



2613

st No.:
ASR- 30284375

Request Date: 3/18/19 Analysis Due Date: 3/29/2019
Shipped By: Courier

Certification Required: NY

Pace Project No.: 30284375
Report/Invoice to: Rachel Christner

Page 1 of 1

	Pace Sample ID:	Matrix:	Collection Date:	Time:	Analysis Requested:	Analytical Method:	Preservative Type:
1	30284375 001	WT	3/14/19	13:20	Phenols, Total	420.4	H2SO4
2					IX 50mL, A.		
3					DN		
4					3/19		
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 Project Manager
Pace Agent Name Title
Acceptance of Terms By: Subcontract Lab Agent Title

Relinquished By: [Signature] 3/18/19 1100
(Signature & Affiliation) (Date) (Time)
Relinquished By: COMMON COURIER / ALS COURIER
(Signature & Affiliation) (Date) (Time)

Received By: COMMON COURIER / ALS COURIER
(Signature & Affiliation)
Received By: [Signature] 3/19 919
(Signature & Affiliation) (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 #: 30226d3 Initials: DN Date: 3/19

1. Were airbills / tracking numbers present and recorded?..... NONE ☒ YES NO
Tracking number: 4267 4212 3880
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?..... 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?..... YES ☒ NO
- 5f. Does the COC note the type of sample, composite or grab?..... YES ☒ NO
- 5g. Does the COC note the matrix of the sample(s)?..... YES NO
6. Are all aqueous samples requiring preservation preserved correctly?..... 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): 0 _____

Thermometer ID: 352 _____

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

Collected by client

No Comp / Grab

of bottles written

at receipt.

Rev. 1/10/2019

Attachment F – System Operational Data Summary

