



January 30, 2018

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

RE: National Grid Hill Street Site – Gloversville, NY
2017 Semi-Annual OM&M Report (July - December)

Dear Mr. Amin:

This letter report serves as the July - December 2017 semi-annual Operations, Maintenance, and Monitoring (OM&M) Report for the National Grid Hill Street Site in Gloversville, NY. This report includes the following information:

- Groundwater Treatment System History and Description;
- Summary of routine and non-routine site OM&M activities (July 2017 – December 2017);
- Analytical results for the semi-annual effluent discharge sampling event (September 7, 2017);
- Operational data for the water treatment system (July 2017 – December 2017);
- Summary of planned site OM&M activities (January 1, 2018 – June 30, 2018).

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. 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.
- 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 (July 1, 2017 – December 31, 2017)

Groundwater & Environmental Services, Inc. (GES) conducted the following routine OM&M Activities at the site:

- ✓ Weekly groundwater treatment system inspections and monthly site inspections [weekly and monthly inspection sheets are included in **Attachment B**];
- ✓ 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;

The only non-routine OM&M activities conducted by GES during the period was the removal of sand build-up along the fenceline at the northwest corner of the property. The sand had built up due to stormwater flow across the yard towards the rip-rap drainage feature at the northwest property corner. The yard drainage was fixed and the rip-rap was cleaned out.

Analytical results for the semi-annual effluent discharge sampling event (September 7, 2017)

On September 7, 2017, 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 September 20, 2017. The analytical results indicated no exceedances of the Gloversville-Johnstown Wastewater Treatment Facility Discharge Permit #133 limits. The analytical results are presented in **Attachment C**.

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 (July 1, 2017 – December 31, 2017)

For the period July 1, 2017, through December 31, 2017, the water treatment system treated and discharged approximately 8,718,000 gallons of water to the POTW sewer at an average flow of 32.7 gpm. 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 D**.

To date, approximately 172 million gallons have been successfully treated and discharged without a permit exceedance.

Summary of planned OM&M activities (January 1, 2018- June 30, 2018)

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.
- Conduct media change-outs (OrganoClay, GAC, and Resin), if needed.
- Conduct the semi-annual treated water discharge sampling event in March 2018.
- Prepare a semi-annual OM&M report for January 1, 2018, through June 30, 2018, and submit to the NYSDEC and GJJWTF.

Mr. Parag Amin
January 30, 2018
Page 6 of 6

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, stylized initial 'S'.

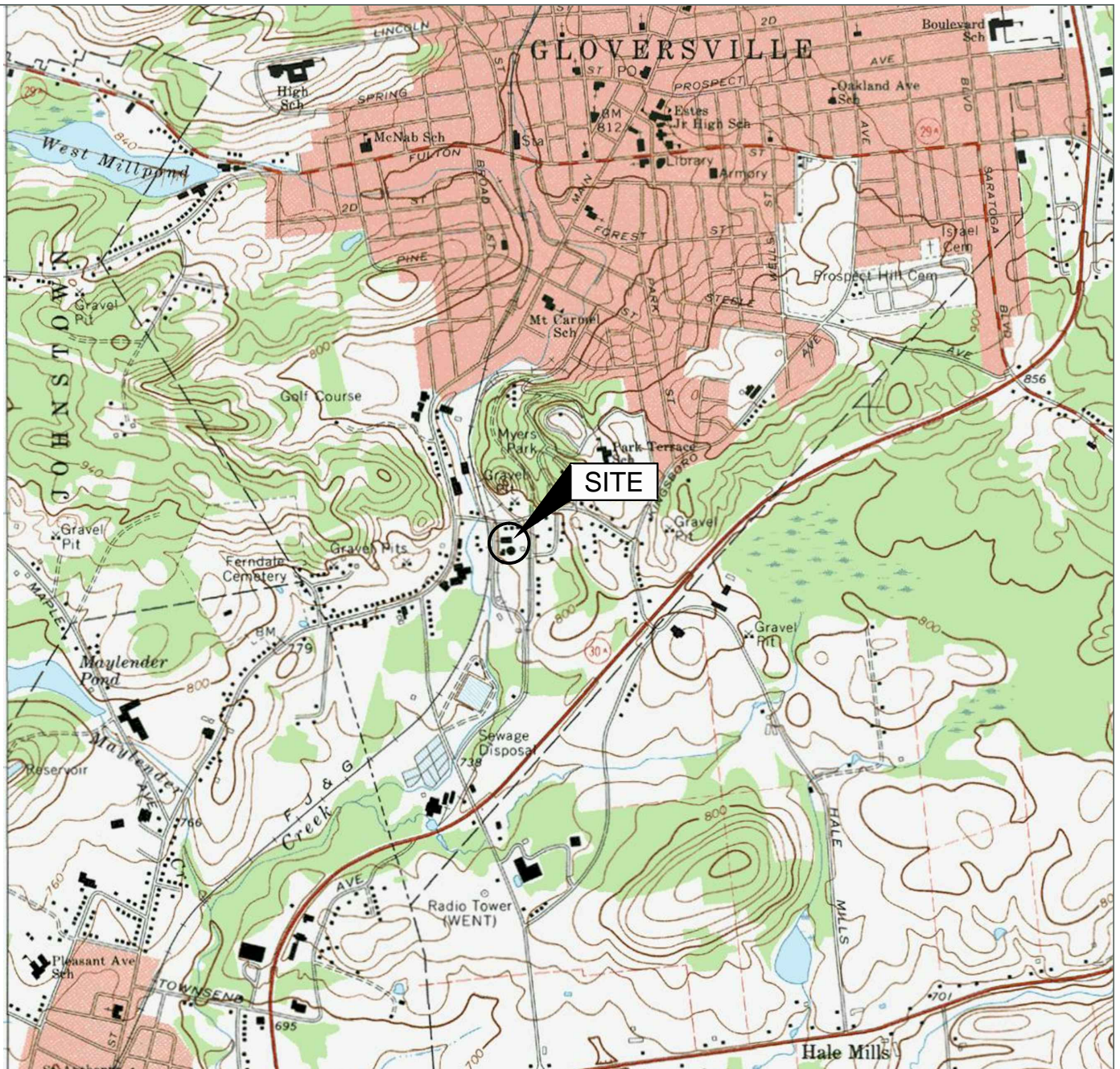
for SPS

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

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

Steve DiLella – National Grid

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

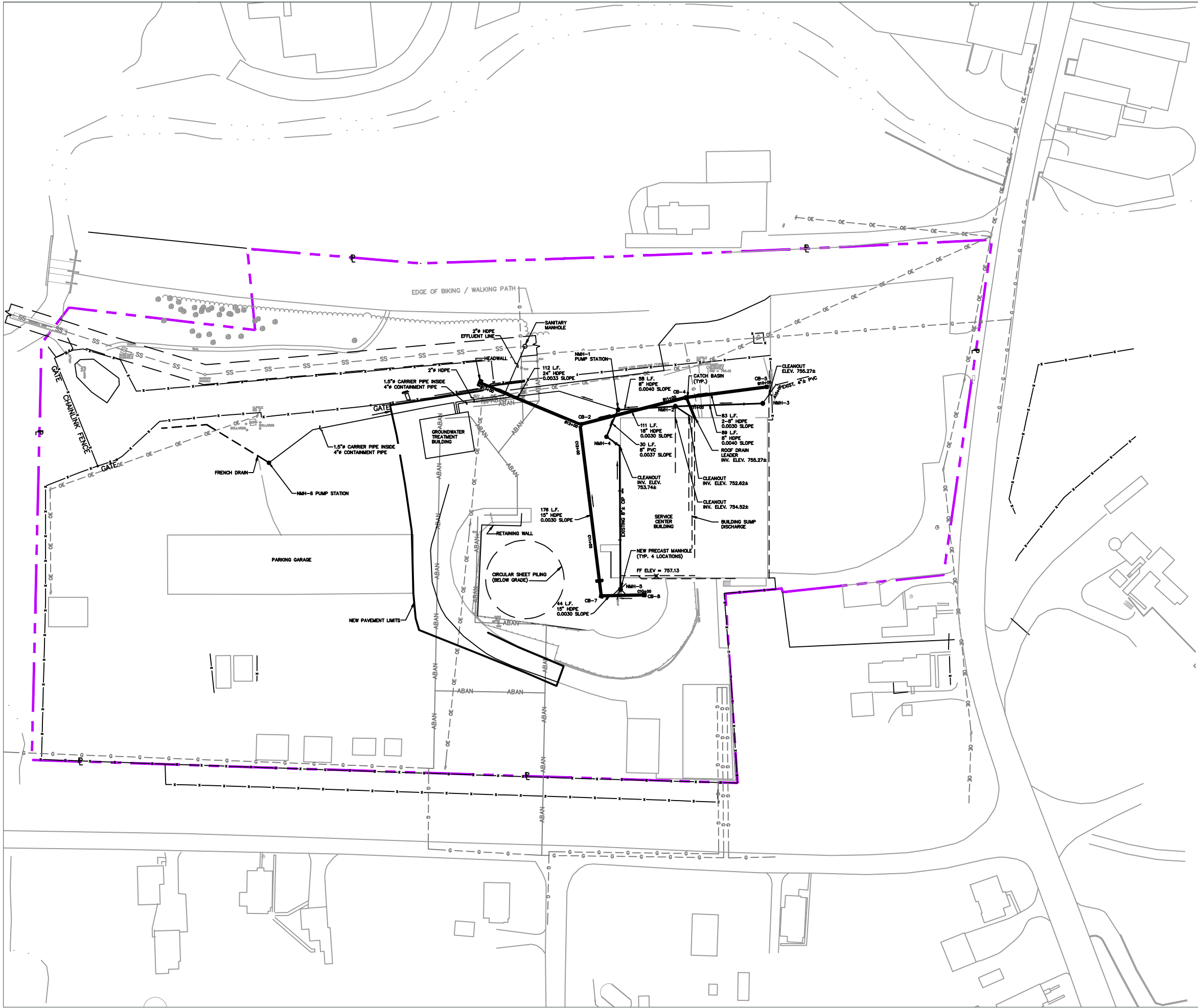


Scale In Feet



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

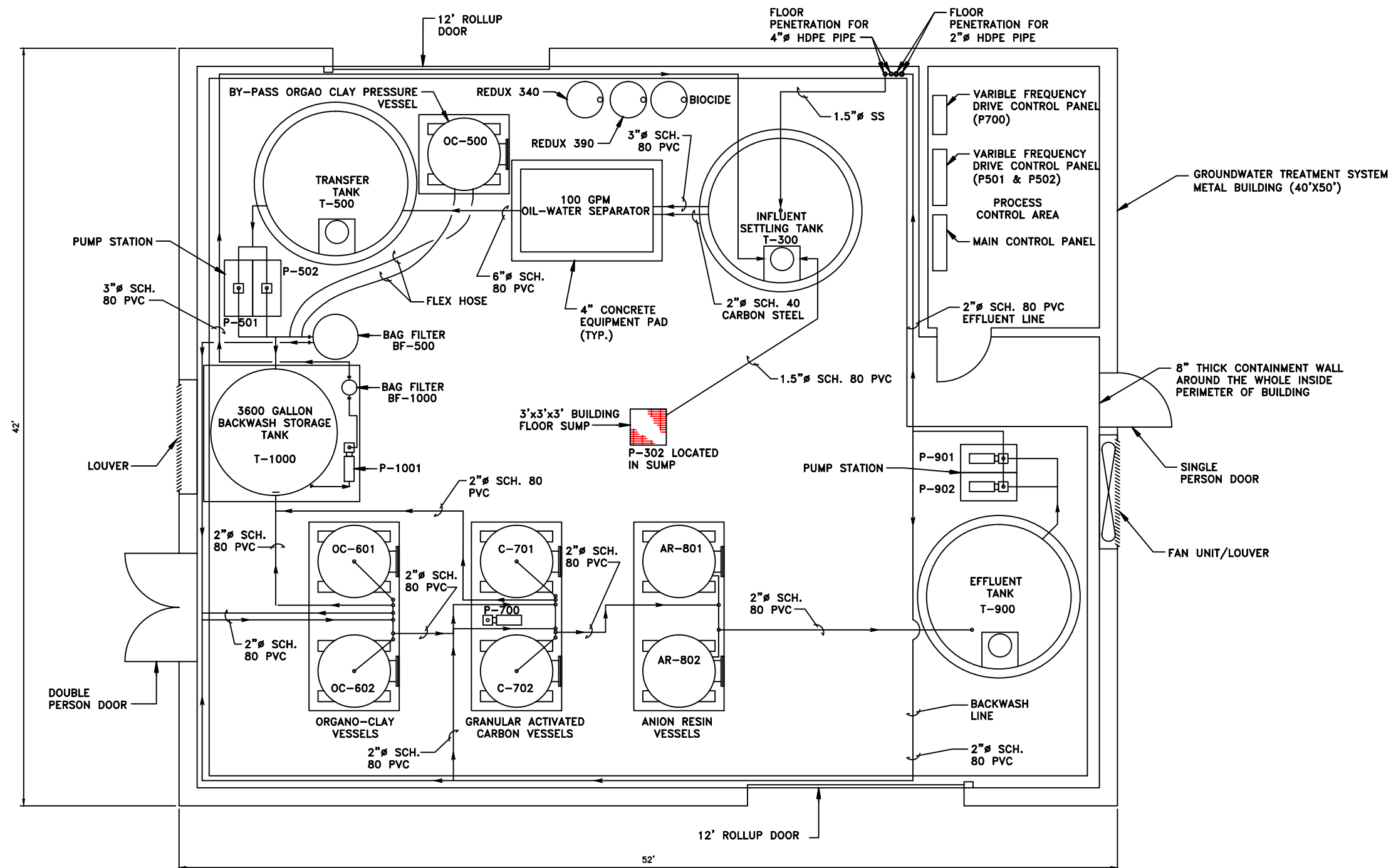
National Grid
20 Hill Street
Gloversville, New York

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

Drawn
W.G.S.
Designed
Approved

Date
1-22-18
Figure
3

Not to Scale



M:\Graphics\0600-Syracuse\Misc\National Grid\Gloversville\Eng\Gloversville P&ID Legend.dwg, Template B, WShea

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

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

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

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

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

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

MECHANICAL FLOW METER (FM-920)
QUANTITY: 1
MANUFACTURER: ISTECH FLOW MEASUREMENT AND CONTROL
TYPE: MECHANICAL
SIZE: 2"
MODEL: 1750

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

SEQUESTERING AGENT
TYPE: REDUX390
MANUFACTURER: REDUX CHEM.

BIOCIDE
TYPE: BIOBROM C-105L
MANUFACTURER: CLEARON CORPORATION

BACKWASH STORAGE TANK T-1000
QUANTITY: 1
MANUFACTURER: CHEMTAINER
MODEL: TC36001A
CAPACITY: 3600 GALLONS
MATERIAL: LINEAR POLYETHYLENE

ABBREVIATIONS

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

LEGEND:

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

MAIN PLC INTERLOCKS:

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

Process and Instrumentation Diagram Legend

National Grid
20 Hill Street
Gloversville, New York

Drawn
W.G.S.
Designed

Approved

Date
1-30-18
Figure

Not to Scale



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

Attachment A – Monthly Inspection Forms

Date: 12/12/2017

Time: 1230

Technician: KL

Weather: snow 32

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

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
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 breaking apart around catch basin needs repair
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	
Standing water in drainage ditch?	Yes	No	slight
Exposed or damaged GCL in drainage ditch?	Yes	No	
Vegetative growth in drainage ditch?	Yes	No	slight
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	

Date: 11/21/2017

Time: 1130

Technician: KL

Weather: sunny 47

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

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
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 breaking apart around catch basin needs repair
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	
Standing water in drainage ditch?	Yes	No	slight
Exposed or damaged GCL in drainage ditch?	Yes	No	
Vegetative growth in drainage ditch?	Yes	No	slight
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	

Date: 10/10/2017

Time: 930

Technician: KL

Weather: sunny 67

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

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
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 breaking apart around catch basin needs repair
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	
Standing water in drainage ditch?	Yes	No	slight
Exposed or damaged GCL in drainage ditch?	Yes	No	
Vegetative growth in drainage ditch?	Yes	No	slight
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	

Date: 9/6/2017

Time: 1200

Technician: KL

Weather: Rain 65

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

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
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 breaking apart around catch basin needs repair
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	
Standing water in drainage ditch?	Yes	No	slight
Exposed or damaged GCL in drainage ditch?	Yes	No	
Vegetative growth in drainage ditch?	Yes	No	slight
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	

Date: 8/3/2017

Time: 8:00

Technician: TB

Weather: Cloudy 72°

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

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
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 breaking apart around catch basin needs repair
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	Grouttech repaired 12/21/2015
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	
Standing water in drainage ditch?	Yes	No	slight
Exposed or damaged GCL in drainage ditch?	Yes	No	
Vegetative growth in drainage ditch?	Yes	No	slight
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	

Date: 7/6/2017

1300

KL

Weather: sunny 78

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

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
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 settling around catch basin
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 B – Weekly Inspection Forms

Date: 12/27/2017

Date: 1100

**National Grid
Gloversville, New York**

Technician: KL

Weather: sunny 8

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	set at 65° Rear unit not working. Ordered new unit.	
Fire Extinguishers in good condition?	Yes	No	Replaced all 3 units	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620		7		
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?		0		
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?		3		
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/24/2017 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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?		44	Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No		1/10/2017
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 5/24/2017 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 12/18/2017

Date: 900

**National Grid
Gloversville, New York**

Technician: KL,PD

Weather: snow 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	set at 65° Rear unit not working. Ordered new unit.	
Fire Extinguishers in good condition?	Yes	No	Replaced all 3 units	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620		7		
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?		0		
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?		3		
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/24/2017 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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?		52	Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No		1/10/2017
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 5/24/2017 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 12/12/2017

1230

**National Grid
Gloversville, New York**

Technician: KL

Weather: snow 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	set at 65° Rear unit not working. Ordered new unit.	
Fire Extinguishers in good condition?	Yes	No	Replaced all 3 units	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620		7		
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?		0		
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?		3		
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/24/2017 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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?		60	Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No		1/10/2017
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 5/24/2017 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 12/04/2017

1200

National Grid
Gloversville, New York

Technician: KL

Weather: PC 40

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set at 65° Rear unit not working. Ordered new unit.	
Fire Extinguishers in good condition?	Yes	No	Replaced all 3 units	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620		8		
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?		0		
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?		4		
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/24/2017 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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?		68	Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No		1/10/2017
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 5/24/2017 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 11/27/2017

Time: 1130

**National Grid
Gloversville, New York**

Technician: KL

Weather: PC 40

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set at 65° Rear unit not working. Ordered new unit.	
Fire Extinguishers in good condition?	Yes	No	Replaced all 3 units	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	9			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/24/2017 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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	76		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
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 5/24/2017 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 11/21/2017

Time: 1130

**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	set at 65° Rear unit not working. Ordered new unit.	
Fire Extinguishers in good condition?	Yes	No	Replaced all 3 units	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	9			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/24/2017 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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	84		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
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 5/24/2017 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 11/13/2017

Time: 630

**National Grid
Gloversville, New York**

Technician: TB

Weather: Cloudy 34

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set at 65° Rear unit not working. Ordered new unit.	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	9			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/24/2017 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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	92		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No		1/10/2017
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 5/24/2017 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 11/7/2017

1000

**National Grid
Gloversville, New York**

Technician: KL

Weather: Cloudy 40

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set down to 40°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	10			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/24/2017 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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	100		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
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 5/24/2017 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 10/31/2017

Time: 815

**National Grid
Gloversville, New York**

Technician: TB

Weather: Cloudy 46

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set down to 40°	
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?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	108		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 10/24/2017

Time: 900

**National Grid
Gloversville, New York**

Technician: KL,PD

Weather: Rain 62

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	set down to 40°	
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?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	116		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 10/18/2017

Time: 1130

**National Grid
Gloversville, New York**

Technician: KL

Weather: Sunny 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	set down to 40°	
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?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	124		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 10/10/2017

Time: 830

**National Grid
Gloversville, New York**

Technician: KL

Weather: Sunny 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		set down to 40°
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?		2		
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 5/24/2017 Sun
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No		Cleaned 5/10/2016 Clean Harbors
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 5/24/2017 Sun
OWS media in good condition?	Yes	No		New Media 5/24/2017
Clean OWS media?	Yes	No		New Media 5/24/2017
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 4/14/2014
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?		132		Order more when level reaches 30
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No		1/10/2017
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No		Cleaned 9/16/2014 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 5/10/2016 Clean Harbors
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No		Cleaned 9/16/2014 Clean Harbors
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		Installed 4 new floats 9/16/2014
Change LNAPL boom in NMH-1?	Yes	No		Small leak on both influent pipes from pumps
Pump P-101 operating?	Yes	No		New unit 12/16/2014
Pump P-102 operating?	Yes	No		New unit 9/16/2014
NMH-6 manway cover in good condition?	Yes	No		Cleaned 5/24/2017 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: 10/3/2017

Time: 1145

**National Grid
Gloversville, New York**

Technician: KL

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	set down to 40°	
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?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	140		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 9/25/2017

Time: 7:00

**National Grid
Gloversville, New York**

Technician: TB

Weather: Partly 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	set down to 40°	
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?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	148		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No	Small leak on both influent pipes from pumps	
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 9/19/2017

900

**National Grid
Gloversville, New York**

Technician: KL

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	set down to 40°	
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?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	156		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 9/12/2017

1300

**National Grid
Gloversville, New York**

Technician: KL

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	set down to 40°	
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?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	164		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 9/6/2017

1200

**National Grid
Gloversville, New York**

Technician: KL

Weather: Rain 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	set down to 40°	
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?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	172		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 8/29/2017

800

National Grid
Gloversville, New York

Technician: KL

Weather: PC56

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	set down to 40°	
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?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	180		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 8/22/2017

800

**National Grid
Gloversville, New York**

Technician: KL

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	set down to 40°	
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?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	188		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 8/15/2017

Time: 1200

**National Grid
Gloversville, New York**

Technician: KL

Weather: Sunny 85

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		set down to 40°
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?		2		
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 5/24/2017 Sun
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No		Cleaned 5/10/2016 Clean Harbors
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 5/24/2017 Sun
OWS media in good condition?	Yes	No		New Media 5/24/2017
Clean OWS media?	Yes	No		New Media 5/24/2017
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 4/14/2014
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?		196		Order more when level reaches 30
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No		1/10/2017
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No		Cleaned 9/16/2014 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 5/10/2016 Clean Harbors
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No		Cleaned 9/16/2014 Clean Harbors
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		Installed 4 new floats 9/16/2014
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No		New unit 12/16/2014
Pump P-102 operating?	Yes	No		New unit 9/16/2014
NMH-6 manway cover in good condition?	Yes	No		Cleaned 5/24/2017 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: 8/8/2017

Time: 8:00

**National Grid
Gloversville, New York**

Technician: KL

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	set down to 40°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	8			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
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?	204		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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: 8/3/2017

Time: 8:00

**National Grid
Gloversville, New York**

Technician: TB

Weather: Cloudy 72°

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set down to 40°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	8			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	32		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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:7/25/2017

1230

National Grid
Gloversville, New York

Technician: KL

Weather rain

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	set at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	9			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	40		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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:7/17/2017

1200

**National Grid
Gloversville, New York**

Technician: KL

Weather: sunny 80

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	set at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	10			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	48		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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:7/11/2017

1200

**National Grid
Gloversville, New York**

Technician: KL,PD

Weather: sunny 78

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	10			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	56		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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:7/6/2017

1200

**National Grid
Gloversville, New York**

Technician: KL,

Weather: sunny 78

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	11			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	2			
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 5/24/2017 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
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 5/24/2017 Sun	
OWS media in good condition?	Yes	No	New Media 5/24/2017	
Clean OWS media?	Yes	No	New Media 5/24/2017	
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 4/14/2014	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	64		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/27/2017
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/26/2017
Calibrate PH and temperature meter?	Yes	No	1/10/2017	
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 9/16/2014 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 5/10/2016 Clean Harbors	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	Installed 4 new floats 9/16/2014	
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 12/16/2014	
Pump P-102 operating?	Yes	No	New unit 9/16/2014	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/24/2017 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 C – Treated Effluent Water Analytical Data

September 20, 2017

Mr. Mark Boorady
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: National Grid - Gloversville
Pace Project No.: 30229405

Dear Mr. Boorady:

Enclosed are the analytical results for sample(s) received by the laboratory on September 08, 2017. 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: GES Reports - Syracuse, Groundwater & Environmental
Services, Inc.
Ms. Cheryl Golden-Walts, Groundwater & Environmental
Services, Inc.
Chandler Swartzendruber, Groundwater & Environmental
Services, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: National Grid - Gloversville

Pace Project No.: 30229405

Pennsylvania Certification IDs

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

L-A-B DOD-ELAP Accreditation #: L2417

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 04222CA

Colorado Certification

Connecticut Certification #: PH-0694

Delaware Certification

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 #: 90133

Louisiana DHH/TNI Certification #: LA140008

Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: PA00091

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification

Missouri Certification #: 235

Montana Certification #: Cert 0082

Nebraska Certification #: NE-05-29-14

Nevada Certification #: PA014572015-1

New Hampshire/TNI Certification #: 2976

New Jersey/TNI Certification #: PA 051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Oregon/TNI Certification #: PA200002

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN2867

Texas/TNI Certification #: T104704188-14-8

Utah/TNI Certification #: PA014572015-5

USDA Soil Permit #: P330-14-00213

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Certification

Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: National Grid - Gloversville

Pace Project No.: 30229405

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30229405001	System Effluent Composite 0917	Water	09/07/17 12:20	09/08/17 10:25

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: National Grid - Gloversville

Pace Project No.: 30229405

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30229405001	System Effluent Composite 0917	EPA 608	CWB	7	PASI-PA
		EPA 200.7	CTS	11	PASI-PA
		EPA 245.1	KAS	1	PASI-PA
		EPA 625 Low Level	EAC	12	PASI-PA
		SM3500-CrB-09	CS1	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30229405

Method: EPA 608

Description: 608 GCS Pesticides

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

Date: September 20, 2017

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.

QC Batch: 271136

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 1334368)
 - Decachlorobiphenyl (S)
 - Tetrachloro-m-xylene (S)
- LCS (Lab ID: 1334369)
 - Decachlorobiphenyl (S)
 - Tetrachloro-m-xylene (S)
- MS (Lab ID: 1334370)
 - Decachlorobiphenyl (S)
 - Tetrachloro-m-xylene (S)
- MSD (Lab ID: 1334371)
 - Decachlorobiphenyl (S)
 - Tetrachloro-m-xylene (S)
- System Effluent Composite 0917 (Lab ID: 30229405001)
 - Decachlorobiphenyl (S)
 - Tetrachloro-m-xylene (S)

Continuing Calibration:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30229405

Method: EPA 608

Description: 608 GCS Pesticides

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

Date: September 20, 2017

QC Batch: 271136

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 1334369)
- beta-BHC

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: 271136

1c: 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.

- BLANK (Lab ID: 1334368)
 - Decachlorobiphenyl (S)
- LCS (Lab ID: 1334369)
 - Decachlorobiphenyl (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30229405

Method: EPA 200.7

Description: 200.7 Metals, Total

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

Date: September 20, 2017

General Information:

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

Hold Time:

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

Sample Preparation:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30229405

Method: EPA 245.1

Description: 245.1 Mercury

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

Date: September 20, 2017

General Information:

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

Hold Time:

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

Sample Preparation:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Duplicate Sample:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30229405

Method: EPA 625 Low Level

Description: 625 MSSV Low Level

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

Date: September 20, 2017

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 Composite 0917 (Lab ID: 30229405001)

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.

QC Batch: 271297

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

- BLANK (Lab ID: 1334938)
 - Pentachlorophenol
- LCS (Lab ID: 1334939)
 - Pentachlorophenol

Internal Standards:

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

Surrogates:

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

QC Batch: 271297

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

- MS (Lab ID: 1334940)
 - 2,4,6-Tribromophenol (S)
 - 2-Fluorobiphenyl (S)
 - 2-Fluorophenol (S)
 - Nitrobenzene-d5 (S)
 - Phenol-d6 (S)
 - Terphenyl-d14 (S)
- MSD (Lab ID: 1334941)
 - 2,4,6-Tribromophenol (S)
 - 2-Fluorobiphenyl (S)
 - 2-Fluorophenol (S)

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30229405

Method: EPA 625 Low Level

Description: 625 MSSV Low Level

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

Date: September 20, 2017

QC Batch: 271297

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

- Nitrobenzene-d5 (S)
- Phenol-d6 (S)
- Terphenyl-d14 (S)
- System Effluent Composite 0917 (Lab ID: 30229405001)
 - 2,4,6-Tribromophenol (S)
 - 2-Fluorobiphenyl (S)
 - 2-Fluorophenol (S)
 - Nitrobenzene-d5 (S)
 - Phenol-d6 (S)
 - Terphenyl-d14 (S)

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.: 30229405

Method: SM3500-CrB-09

Description: Chromium, Hexavalent

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

Date: September 20, 2017

General Information:

1 sample was analyzed for SM3500-CrB-09. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

Analyte Comments:

QC Batch: 270988

2c: Sample filtered by lab on 9/8/2017

- System Effluent Composite 0917 (Lab ID: 30229405001)
- 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.: 30229405

Sample: System Effluent Composite 0917 **Lab ID:** 30229405001 **Collected:** 09/07/17 12:20 **Received:** 09/08/17 10:25 **Matrix:** Water

Comments: • Hexachrome was 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	0.051	0.0017	1	09/11/17 08:48	09/15/17 04:48	309-00-2	
alpha-BHC	ND	ug/L	0.051	0.0016	1	09/11/17 08:48	09/15/17 04:48	319-84-6	
beta-BHC	ND	ug/L	0.051	0.0020	1	09/11/17 08:48	09/15/17 04:48	319-85-7	L2
delta-BHC	ND	ug/L	0.051	0.0016	1	09/11/17 08:48	09/15/17 04:48	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.051	0.0012	1	09/11/17 08:48	09/15/17 04:48	58-89-9	
Surrogates									
Tetrachloro-m-xylene (S)	54	%	22-92		1	09/11/17 08:48	09/15/17 04:48	877-09-8	IH
Decachlorobiphenyl (S)	66	%	10-111		1	09/11/17 08:48	09/15/17 04:48	2051-24-3	IH
200.7 Metals, Total Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Antimony	ND	mg/L	0.0060	0.0011	1	09/13/17 08:32	09/15/17 08:35	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0030	1	09/13/17 08:32	09/15/17 08:35	7440-38-2	
Cadmium	ND	mg/L	0.0030	0.00032	1	09/13/17 08:32	09/15/17 08:35	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00058	1	09/13/17 08:32	09/15/17 08:35	7440-47-3	
Copper	ND	mg/L	0.0050	0.0015	1	09/13/17 08:32	09/15/17 08:35	7440-50-8	
Lead	ND	mg/L	0.0050	0.0025	1	09/13/17 08:32	09/15/17 08:35	7439-92-1	
Nickel	ND	mg/L	0.010	0.0012	1	09/13/17 08:32	09/15/17 08:35	7440-02-0	
Selenium	ND	mg/L	0.0080	0.0036	1	09/13/17 08:32	09/15/17 08:35	7782-49-2	
Silver	ND	mg/L	0.0060	0.00067	1	09/13/17 08:32	09/15/17 08:35	7440-22-4	
Thallium	ND	mg/L	0.010	0.0024	1	09/13/17 08:32	09/15/17 08:35	7440-28-0	
Zinc	ND	mg/L	0.010	0.0010	1	09/13/17 08:32	09/15/17 08:35	7440-66-6	
245.1 Mercury Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Mercury	ND	mg/L	0.00020	0.000017	1	09/12/17 11:22	09/12/17 18:16	7439-97-6	
625 MSSV Low Level Analytical Method: EPA 625 Low Level Preparation Method: EPA 625 Low Level									
2,4,6-Trichlorophenol	ND	ug/L	102	14.9	100	09/12/17 08:36	09/19/17 04:02	88-06-2	ED
2,4-Dichlorophenol	ND	ug/L	102	12.3	100	09/12/17 08:36	09/19/17 04:02	120-83-2	ED
2-Chlorophenol	ND	ug/L	102	12.9	100	09/12/17 08:36	09/19/17 04:02	95-57-8	ED
4-Chloro-3-methylphenol	ND	ug/L	102	13.4	100	09/12/17 08:36	09/19/17 04:02	59-50-7	ED
Naphthalene	ND	ug/L	102	10.9	100	09/12/17 08:36	09/19/17 04:02	91-20-3	ED
Pentachlorophenol	ND	ug/L	255	86.4	100	09/12/17 08:36	09/19/17 04:02	87-86-5	ED
Surrogates									
Nitrobenzene-d5 (S)	0	%	13-105		100	09/12/17 08:36	09/19/17 04:02	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%	13-112		100	09/12/17 08:36	09/19/17 04:02	321-60-8	S4
Terphenyl-d14 (S)	0	%	22-161		100	09/12/17 08:36	09/19/17 04:02	1718-51-0	S4
Phenol-d6 (S)	0	%	10-48		100	09/12/17 08:36	09/19/17 04:02	13127-88-3	S4
2-Fluorophenol (S)	0	%	10-62		100	09/12/17 08:36	09/19/17 04:02	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	21-135		100	09/12/17 08:36	09/19/17 04:02	118-79-6	S4
Chromium, Hexavalent Analytical Method: SM3500-CrB-09									
Chromium, Hexavalent	ND	mg/L	0.010	0.0033	1		09/08/17 12:03	18540-29-9	2c

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30229405

QC Batch: 271338 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 30229405001

METHOD BLANK: 1335110 Matrix: Water
Associated Lab Samples: 30229405001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000017	09/12/17 18:07	

LABORATORY CONTROL SAMPLE: 1335111

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.001	0.0010	102	85-115	

MATRIX SPIKE SAMPLE: 1335113

Parameter	Units	30229252001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	.0025	0.0026	105	70-130	

MATRIX SPIKE SAMPLE: 1335115

Parameter	Units	30229429001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	ND	.0025	0.0026	106	70-130	

SAMPLE DUPLICATE: 1335112

Parameter	Units	30229252001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/L	ND	ND		20	

SAMPLE DUPLICATE: 1335114

Parameter	Units	30229429001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30229405

QC Batch: 271472 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 30229405001

METHOD BLANK: 1335673 Matrix: Water
Associated Lab Samples: 30229405001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0060	0.0011	09/15/17 08:06	
Arsenic	mg/L	ND	0.0050	0.0030	09/15/17 08:06	
Cadmium	mg/L	ND	0.0030	0.00032	09/15/17 08:06	
Chromium	mg/L	ND	0.0050	0.00058	09/15/17 08:06	
Copper	mg/L	ND	0.0050	0.0015	09/15/17 08:06	
Lead	mg/L	ND	0.0050	0.0025	09/15/17 08:06	
Nickel	mg/L	ND	0.010	0.0012	09/15/17 08:06	
Selenium	mg/L	ND	0.0080	0.0036	09/15/17 08:06	
Silver	mg/L	ND	0.0060	0.00067	09/15/17 08:06	
Thallium	mg/L	ND	0.010	0.0024	09/15/17 08:06	
Zinc	mg/L	ND	0.010	0.0010	09/15/17 08:06	

LABORATORY CONTROL SAMPLE: 1335674

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	.5	0.53	106	85-115	
Arsenic	mg/L	.5	0.50	100	85-115	
Cadmium	mg/L	.5	0.52	105	85-115	
Chromium	mg/L	.5	0.52	105	85-115	
Copper	mg/L	.5	0.54	109	85-115	
Lead	mg/L	.5	0.49	98	85-115	
Nickel	mg/L	.5	0.53	106	85-115	
Selenium	mg/L	.5	0.52	103	85-115	
Silver	mg/L	.25	0.26	106	85-115	
Thallium	mg/L	.5	0.49	98	85-115	
Zinc	mg/L	.5	0.53	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1335676 1335677

Parameter	Units	30229533001 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	.5	.5	0.53	0.53	105	105	70-130	0	20	
Arsenic	mg/L	ND	.5	.5	0.51	0.51	102	102	70-130	0	20	
Cadmium	mg/L	ND	.5	.5	0.52	0.53	105	106	70-130	1	20	
Chromium	mg/L	ND	.5	.5	0.51	0.52	103	104	70-130	2	20	
Copper	mg/L	7.1 ug/L	.5	.5	0.54	0.55	107	109	70-130	1	20	
Lead	mg/L	ND	.5	.5	0.50	0.50	100	100	70-130	0	20	
Nickel	mg/L	ND	.5	.5	0.52	0.52	103	104	70-130	0	20	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30229405

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1335676 1335677											
Parameter	Units	30229533001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Selenium	mg/L	ND	.5	.5	0.52	0.53	104	106	70-130	1	20
Silver	mg/L	ND	.25	.25	0.26	0.26	104	105	70-130	0	20
Thallium	mg/L	ND	.5	.5	0.48	0.49	97	98	70-130	1	20
Zinc	mg/L	ND	.5	.5	0.53	0.54	105	106	70-130	1	20

MATRIX SPIKE SAMPLE: 1335679							
Parameter	Units	30229538001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	ND	.5	0.55	109	70-130	
Arsenic	mg/L	ND	.5	0.53	104	70-130	
Cadmium	mg/L	ND	.5	0.54	108	70-130	
Chromium	mg/L	ND	.5	0.52	104	70-130	
Copper	mg/L	23.4 ug/L	.5	0.58	111	70-130	
Lead	mg/L	ND	.5	0.51	103	70-130	
Nickel	mg/L	ND	.5	0.54	107	70-130	
Selenium	mg/L	ND	.5	0.54	108	70-130	
Silver	mg/L	ND	.25	0.26	106	70-130	
Thallium	mg/L	ND	.5	0.49	98	70-130	
Zinc	mg/L	27.4 ug/L	.5	0.57	108	70-130	

SAMPLE DUPLICATE: 1335675						
Parameter	Units	30229533001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	mg/L	ND	.0015J		20	
Arsenic	mg/L	ND	ND		20	
Cadmium	mg/L	ND	ND		20	
Chromium	mg/L	ND	ND		20	
Copper	mg/L	7.1 ug/L	0.0070	1	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	.0075J		20	

SAMPLE DUPLICATE: 1335678						
Parameter	Units	30229538001 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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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30229405

SAMPLE DUPLICATE: 1335678

Parameter	Units	30229538001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium	mg/L	ND	ND		20	
Copper	mg/L	23.4 ug/L	0.024	1	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	27.4 ug/L	0.027	0	20	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30229405

QC Batch: 271136 Analysis Method: EPA 608
QC Batch Method: EPA 608 SF Analysis Description: 608 GCS Pesticide
Associated Lab Samples: 30229405001

METHOD BLANK: 1334368 Matrix: Water
Associated Lab Samples: 30229405001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aldrin	ug/L	ND	0.050	0.0016	09/15/17 02:58	
alpha-BHC	ug/L	ND	0.050	0.0016	09/15/17 02:58	
beta-BHC	ug/L	ND	0.050	0.0020	09/15/17 02:58	
delta-BHC	ug/L	ND	0.050	0.0016	09/15/17 02:58	
gamma-BHC (Lindane)	ug/L	ND	0.050	0.0011	09/15/17 02:58	
Decachlorobiphenyl (S)	%	60	10-111		09/15/17 02:58	1c,IH
Tetrachloro-m-xylene (S)	%	71	22-92		09/15/17 02:58	IH

LABORATORY CONTROL SAMPLE: 1334369

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aldrin	ug/L	.2	0.15	73	42-103	
alpha-BHC	ug/L	.2	0.16	79	50-101	
beta-BHC	ug/L	.2	0.15	77	78-111 L2	
delta-BHC	ug/L	.2	0.17	86	50-110	
gamma-BHC (Lindane)	ug/L	.2	0.16	80	56-108	
Decachlorobiphenyl (S)	%			61	10-111 1c,IH	
Tetrachloro-m-xylene (S)	%			65	22-92 IH	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1334370 1334371

Parameter	Units	30229405001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aldrin	ug/L	ND	.2	.2	0.15	0.15	76	73	42-103	3	25	
alpha-BHC	ug/L	ND	.2	.2	0.16	0.15	77	73	50-101	5	25	
beta-BHC	ug/L	ND	.2	.2	0.18	0.17	89	83	78-111	7	25	
delta-BHC	ug/L	ND	.2	.2	0.21	0.20	106	99	50-110	7	25	
gamma-BHC (Lindane)	ug/L	ND	.2	.2	0.17	0.17	86	82	56-108	5	25	
Decachlorobiphenyl (S)	%						74	71	10-111			IH
Tetrachloro-m-xylene (S)	%						65	60	22-92			IH

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30229405

QC Batch: 271297 Analysis Method: EPA 625 Low Level
QC Batch Method: EPA 625 Low Level Analysis Description: 625 MSS Low Level
Associated Lab Samples: 30229405001

METHOD BLANK: 1334938 Matrix: Water
Associated Lab Samples: 30229405001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,6-Trichlorophenol	ug/L	ND	1.0	0.15	09/12/17 16:23	
2,4-Dichlorophenol	ug/L	ND	1.0	0.12	09/12/17 16:23	
2-Chlorophenol	ug/L	ND	1.0	0.13	09/12/17 16:23	
4-Chloro-3-methylphenol	ug/L	ND	1.0	0.13	09/12/17 16:23	
Naphthalene	ug/L	ND	1.0	0.11	09/12/17 16:23	
Pentachlorophenol	ug/L	ND	2.5	0.85	09/12/17 16:23	CH
2,4,6-Tribromophenol (S)	%	81	21-135		09/12/17 16:23	
2-Fluorobiphenyl (S)	%	73	13-112		09/12/17 16:23	
2-Fluorophenol (S)	%	45	10-62		09/12/17 16:23	
Nitrobenzene-d5 (S)	%	67	13-105		09/12/17 16:23	
Phenol-d6 (S)	%	32	10-48		09/12/17 16:23	
Terphenyl-d14 (S)	%	82	22-161		09/12/17 16:23	

LABORATORY CONTROL SAMPLE: 1334939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Trichlorophenol	ug/L	10	8.4	84	37-132	
2,4-Dichlorophenol	ug/L	10	6.7	67	39-91	
2-Chlorophenol	ug/L	10	6.6	66	30-109	
4-Chloro-3-methylphenol	ug/L	10	7.3	73	38-96	
Naphthalene	ug/L	10	5.7	57	55-86	
Pentachlorophenol	ug/L	10	9.4	94	14-151	CH
2,4,6-Tribromophenol (S)	%			86	21-135	
2-Fluorobiphenyl (S)	%			75	13-112	
2-Fluorophenol (S)	%			48	10-62	
Nitrobenzene-d5 (S)	%			62	13-105	
Phenol-d6 (S)	%			36	10-48	
Terphenyl-d14 (S)	%			88	22-161	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1334940 1334941

Parameter	Units	30229484001 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	10.1	10.1	ND	ND	0	0	47-131		31.7	ED, M6
2,4-Dichlorophenol	ug/L	ND	10.1	10.1	ND	ND	0	0	39-92		26.4	ED, M6
2-Chlorophenol	ug/L	ND	10.1	10.1	ND	ND	0	0	36-110		40	ED, M6
4-Chloro-3-methylphenol	ug/L	ND	10.1	10.1	ND	11.6J	0	115	43-92		42	ED, M6
Naphthalene	ug/L	ND	10.1	10.1	ND	ND	0	0	55-85		30.1	ED, M6

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30229405

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1334940 1334941												
Parameter	Units	30229484001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
Pentachlorophenol	ug/L	ND	10.1	10.1	ND	ND	0	0	36-142	50	ED, M6	
2,4,6-Tribromophenol (S)	%						0	0	21-135			S4
2-Fluorobiphenyl (S)	%						0	0	13-112			S4
2-Fluorophenol (S)	%						0	0	10-62			S4
Nitrobenzene-d5 (S)	%						0	0	13-105			S4
Phenol-d6 (S)	%						0	0	10-48			S4
Terphenyl-d14 (S)	%						0	0	22-161			S4

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30229405

QC Batch: 270988

Analysis Method: SM3500-CrB-09

QC Batch Method: SM3500-CrB-09

Analysis Description: Chromium, Hexavalent by 3500

Associated Lab Samples: 30229405001

METHOD BLANK: 1333578

Matrix: Water

Associated Lab Samples: 30229405001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	ND	0.010	0.0033	09/08/17 12:02	

LABORATORY CONTROL SAMPLE & LCSD: 1333579

1333580

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	mg/L	.25	0.25	0.25	99	100	85-115	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: National Grid - Gloversville
Pace Project No.: 30229405

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.
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	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.
2c	Sample filtered by lab on 9/8/2017
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
ED	Due to the extract's physical characteristics, the analysis was performed at dilution.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
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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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: National Grid - Gloversville

Pace Project No.: 30229405

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30229405001	System Effluent Composite 0917	EPA 608 SF	271136	EPA 608	271349
30229405001	System Effluent Composite 0917	EPA 200.7	271472	EPA 200.7	271580
30229405001	System Effluent Composite 0917	EPA 245.1	271338	EPA 245.1	271396
30229405001	System Effluent Composite 0917	EPA 625 Low Level	271297	EPA 625 Low Level	271398
30229405001	System Effluent Composite 0917	SM3500-CrB-09	270988		

REPORT OF LABORATORY ANALYSIS

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Pittsburgh Lab Sample Condition Upon Receipt



Client Name: _____

CES

Project # 30229405

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

Tracking #: 73592308828

Label	BH
LIMS Login	BIM

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

Thermometer Used 8 Type of Ice: Wet Blue None

Cooler Temperature Observed Temp 1.1 °C Correction Factor: 10.0 °C Final Temp: 1.1 °C

Temp should be above freezing to 6°C

Date and Initials of person examining contents:	JRM 9/8/17
---	------------

Comments:

Yes	No	N/A
-----	----	-----

Chain of Custody Present:	/			1.
Chain of Custody Filled Out:	/			2.
Chain of Custody Relinquished:	/			3.
Sampler Name & Signature on COC:	/			4.
Sample Labels match COC:	/			5.
-Includes date/time/ID				
Matrix:	WT			
Samples Arrived within Hold Time:	/			6.
Short Hold Time Analysis (<72hr remaining):	/			7.
Rush Turn Around Time Requested:		/		8.
Sufficient Volume:	/			9.
Correct Containers Used:	/			10.
-Pace Containers Used:	/			
Containers Intact:	/			11.
Orthophosphate field filtered			/	12.
Hex Cr Aqueous Compliance/NPDES sample field filtered		/		13.
Organic Samples checked for dechlorination:	/			14.
Filtered volume received for Dissolved tests			/	15.
All containers have been checked for preservation.	/			16.
All containers needing preservation are found to be in compliance with EPA recommendation.	/			
exceptions: VOA, coliform, TOC, O&G, Phenolics				
				Initial when completed JRM
				Date/time of preservation
				Lot # of added preservative
Headspace in VOA Vials (>6mm):			/	17.
Trip Blank Present:			/	18.
Trip Blank Custody Seals Present			/	
Rad Aqueous Samples Screened > 0.5 mrem/hr			/	Initial when completed:
				Date:

Client Notification/ Resolution:

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

Comments/ Resolution: Received to AGUS

☐ 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.

September 26, 2017

Mr. Mark Boorady
Groundwater & Environmental Services, Inc.
5 Technology Place, Suite 4
East Syracuse, NY 13057

RE: Project: National Grid - Gloversville
Pace Project No.: 30229413

Dear Mr. Boorady:

Enclosed are the analytical results for sample(s) received by the laboratory on September 08, 2017. 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., 34 Dgwood Lane, Middletown PA 17057 for Phenolics . Results of the analysis are reported on the ALS data tables.

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

Sincerely,



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

Enclosures

cc: GES Reports - Syracuse, Groundwater & Environmental
Services, Inc.

Ms. Cheryl Golden-Walts, Groundwater & Environmental
Services, Inc.



REPORT OF LABORATORY ANALYSIS

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September 26, 2017
Page 2

cc: Chandler Swartzendruber, Groundwater & Environmental
Services, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: National Grid - Gloversville

Pace Project No.: 30229413

Pennsylvania Certification IDs

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

L-A-B DOD-ELAP Accreditation #: L2417

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 04222CA

Colorado Certification

Connecticut Certification #: PH-0694

Delaware Certification

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 #: 90133

Louisiana DHH/TNI Certification #: LA140008

Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: PA00091

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification

Missouri Certification #: 235

Montana Certification #: Cert 0082

Nebraska Certification #: NE-05-29-14

Nevada Certification #: PA014572015-1

New Hampshire/TNI Certification #: 2976

New Jersey/TNI Certification #: PA 051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Oregon/TNI Certification #: PA200002

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN2867

Texas/TNI Certification #: T104704188-14-8

Utah/TNI Certification #: PA014572015-5

USDA Soil Permit #: P330-14-00213

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Certification

Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: National Grid - Gloversville

Pace Project No.: 30229413

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30229413001	System Effluent Grab 0917	Water	09/07/17 12:35	09/08/17 10:25
30229413002	Trip Blank	Water	09/07/17 00:01	09/08/17 10:25

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SAMPLE ANALYTE COUNT

Project: National Grid - Gloversville

Pace Project No.: 30229413

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30229413001	System Effluent Grab 0917	EPA 625 Low Level	EAC	7	PASI-PA
		EPA 624	MAK	10	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM4500H+B-00	KRC	1	PASI-PA
		EPA 335.4	LEP	1	PASI-PA
30229413002	Trip Blank	EPA 624	MAK	10	PASI-PA

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30229413

Method: EPA 625 Low Level

Description: 625 MSSV Low Level

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

Date: September 26, 2017

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 0917 (Lab ID: 30229413001)

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.

QC Batch: 271297

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

- BLANK (Lab ID: 1334938)
 - Pentachlorophenol
- LCS (Lab ID: 1334939)
 - Pentachlorophenol

Internal Standards:

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

Surrogates:

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

QC Batch: 271297

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

- MS (Lab ID: 1334940)
 - 2,4,6-Tribromophenol (S)
 - 2-Fluorobiphenyl (S)
 - 2-Fluorophenol (S)
 - Nitrobenzene-d5 (S)
 - Phenol-d6 (S)
 - Terphenyl-d14 (S)
- MSD (Lab ID: 1334941)
 - 2,4,6-Tribromophenol (S)
 - 2-Fluorobiphenyl (S)
 - 2-Fluorophenol (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30229413

Method: EPA 625 Low Level

Description: 625 MSSV Low Level

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

Date: September 26, 2017

QC Batch: 271297

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

- Nitrobenzene-d5 (S)
- Phenol-d6 (S)
- Terphenyl-d14 (S)
- System Effluent Grab 0917 (Lab ID: 30229413001)
 - 2,4,6-Tribromophenol (S)
 - 2-Fluorobiphenyl (S)
 - 2-Fluorophenol (S)
 - Nitrobenzene-d5 (S)
 - Phenol-d6 (S)
 - Terphenyl-d14 (S)

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30229413

Method: EPA 624

Description: 624 Volatile Organics

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

Date: September 26, 2017

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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30229413

Method: EPA 1664A

Description: HEM, Oil and Grease

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

Date: September 26, 2017

General Information:

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

Hold Time:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: National Grid - Gloversville

Pace Project No.: 30229413

Method: SM4500H+B-00

Description: 4500H+ pH, Electrometric

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

Date: September 26, 2017

General Information:

1 sample was analyzed for SM4500H+B-00. 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 0917 (Lab ID: 30229413001)

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

- System Effluent Grab 0917 (Lab ID: 30229413001)

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.: 30229413

Method: EPA 335.4

Description: 335.4 Cyanide, Total

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

Date: September 26, 2017

General Information:

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

Hold Time:

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

Sample Preparation:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid - Gloversville

Pace Project No.: 30229413

Sample: System Effluent Grab 0917 Lab ID: 30229413001 Collected: 09/07/17 12:35 Received: 09/08/17 10:25 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	123	41.5	50	09/12/17 08:36	09/19/17 04:25	87-86-5	ED
Surrogates									
Nitrobenzene-d5 (S)	0	%	13-105		50	09/12/17 08:36	09/19/17 04:25	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%	13-112		50	09/12/17 08:36	09/19/17 04:25	321-60-8	S4
Terphenyl-d14 (S)	0	%	22-161		50	09/12/17 08:36	09/19/17 04:25	1718-51-0	S4
Phenol-d6 (S)	0	%	10-48		50	09/12/17 08:36	09/19/17 04:25	13127-88-3	S4
2-Fluorophenol (S)	0	%	10-62		50	09/12/17 08:36	09/19/17 04:25	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	21-135		50	09/12/17 08:36	09/19/17 04:25	118-79-6	S4
624 Volatile Organics Analytical Method: EPA 624									
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.14	1		09/12/17 22:48	79-34-5	
Benzene	ND	ug/L	1.0	0.18	1		09/12/17 22:48	71-43-2	
Chloroform	ND	ug/L	1.0	0.24	1		09/12/17 22:48	67-66-3	
Ethylbenzene	ND	ug/L	1.0	0.20	1		09/12/17 22:48	100-41-4	
Tetrachloroethene	ND	ug/L	1.0	0.39	1		09/12/17 22:48	127-18-4	
Toluene	ND	ug/L	1.0	0.11	1		09/12/17 22:48	108-88-3	
Surrogates									
4-Bromofluorobenzene (S)	103	%	79-129		1		09/12/17 22:48	460-00-4	
Toluene-d8 (S)	95	%	89-114		1		09/12/17 22:48	2037-26-5	
1,2-Dichloroethane-d4 (S)	100	%	81-119		1		09/12/17 22:48	17060-07-0	
Dibromofluoromethane (S)	104	%	84-111		1		09/12/17 22:48	1868-53-7	
HEM, Oil and Grease Analytical Method: EPA 1664A									
Oil and Grease	ND	mg/L	4.8	0.89	1		09/19/17 08:30		
4500H+ pH, Electrometric Analytical Method: SM4500H+B-00									
pH at 25 Degrees C	7.2	Std. Units	2.0	2.0	1		09/08/17 18:55		H1,H6
335.4 Cyanide, Total Analytical Method: EPA 335.4 Preparation Method: EPA 335.4									
Cyanide	0.017	mg/L	0.010	0.0020	1	09/18/17 12:40	09/19/17 17:05	57-12-5	

Sample: Trip Blank Lab ID: 30229413002 Collected: 09/07/17 00:01 Received: 09/08/17 10:25 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	0.14	1		09/12/17 23:14	79-34-5	
Benzene	ND	ug/L	1.0	0.18	1		09/12/17 23:14	71-43-2	
Chloroform	ND	ug/L	1.0	0.24	1		09/12/17 23:14	67-66-3	
Ethylbenzene	ND	ug/L	1.0	0.20	1		09/12/17 23:14	100-41-4	
Tetrachloroethene	ND	ug/L	1.0	0.39	1		09/12/17 23:14	127-18-4	
Toluene	ND	ug/L	1.0	0.11	1		09/12/17 23:14	108-88-3	
Surrogates									
4-Bromofluorobenzene (S)	102	%	79-129		1		09/12/17 23:14	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: National Grid - Gloversville

Pace Project No.: 30229413

Sample: Trip Blank		Lab ID: 30229413002		Collected: 09/07/17 00:01		Received: 09/08/17 10:25		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)	94	%	89-114		1		09/12/17 23:14	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%	81-119		1		09/12/17 23:14	17060-07-0	
Dibromofluoromethane (S)	104	%	84-111		1		09/12/17 23:14	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30229413

QC Batch: 271336

Analysis Method: EPA 624

QC Batch Method: EPA 624

Analysis Description: 624 MSV

Associated Lab Samples: 30229413001, 30229413002

METHOD BLANK: 1335106

Matrix: Water

Associated Lab Samples: 30229413001, 30229413002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.14	09/12/17 13:56	
Benzene	ug/L	ND	1.0	0.18	09/12/17 13:56	
Chloroform	ug/L	ND	1.0	0.24	09/12/17 13:56	
Ethylbenzene	ug/L	ND	1.0	0.20	09/12/17 13:56	
Tetrachloroethene	ug/L	ND	1.0	0.39	09/12/17 13:56	
Toluene	ug/L	ND	1.0	0.11	09/12/17 13:56	
1,2-Dichloroethane-d4 (S)	%	104	81-119		09/12/17 13:56	
4-Bromofluorobenzene (S)	%	102	79-129		09/12/17 13:56	
Dibromofluoromethane (S)	%	100	84-111		09/12/17 13:56	
Toluene-d8 (S)	%	97	89-114		09/12/17 13:56	

LABORATORY CONTROL SAMPLE: 1335107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	18.3	91	65-127	
Benzene	ug/L	20	19.6	98	82-109	
Chloroform	ug/L	20	18.9	95	76-112	
Ethylbenzene	ug/L	20	20.3	101	85-115	
Tetrachloroethene	ug/L	20	20.5	103	77-115	
Toluene	ug/L	20	19.3	96	83-113	
1,2-Dichloroethane-d4 (S)	%			94	81-119	
4-Bromofluorobenzene (S)	%			100	79-129	
Dibromofluoromethane (S)	%			105	84-111	
Toluene-d8 (S)	%			96	89-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1335435 1335436

Parameter	Units	30229576001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20	16.7	16.6	84	83	57-118	1	30	
Benzene	ug/L	<1.0	20	20	20.4	20.0	102	100	67-121	2	30	
Chloroform	ug/L	<1.0	20	20	19.8	19.3	99	97	69-115	2	30	
Ethylbenzene	ug/L	<1.0	20	20	20.6	20.9	103	104	70-127	1	30	
Tetrachloroethene	ug/L	<1.0	20	20	22.3	21.8	112	109	77-125	3	30	
Toluene	ug/L	<1.0	20	20	20.4	20.1	102	100	77-125	2	30	
1,2-Dichloroethane-d4 (S)	%						98	98	81-119			
4-Bromofluorobenzene (S)	%						103	103	79-129			
Dibromofluoromethane (S)	%						104	103	84-111			

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30229413

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1335435 1335436											
Parameter	Units	30229576001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Toluene-d8 (S)	%						98	95	89-114		

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QUALITY CONTROL DATA

Project: National Grid - Gloversville
Pace Project No.: 30229413

QC Batch:	271297	Analysis Method:	EPA 625 Low Level
QC Batch Method:	EPA 625 Low Level	Analysis Description:	625 MSS Low Level
Associated Lab Samples:	30229413001		

METHOD BLANK: 1334938 Matrix: Water
Associated Lab Samples: 30229413001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Pentachlorophenol	ug/L	ND	2.5	0.85	09/12/17 16:23	CH
2,4,6-Tribromophenol (S)	%	81	21-135		09/12/17 16:23	
2-Fluorobiphenyl (S)	%	73	13-112		09/12/17 16:23	
2-Fluorophenol (S)	%	45	10-62		09/12/17 16:23	
Nitrobenzene-d5 (S)	%	67	13-105		09/12/17 16:23	
Phenol-d6 (S)	%	32	10-48		09/12/17 16:23	
Terphenyl-d14 (S)	%	82	22-161		09/12/17 16:23	

LABORATORY CONTROL SAMPLE: 1334939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pentachlorophenol	ug/L	10	9.4	94	14-151	CH
2,4,6-Tribromophenol (S)	%			86	21-135	
2-Fluorobiphenyl (S)	%			75	13-112	
2-Fluorophenol (S)	%			48	10-62	
Nitrobenzene-d5 (S)	%			62	13-105	
Phenol-d6 (S)	%			36	10-48	
Terphenyl-d14 (S)	%			88	22-161	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1334940 1334941

Parameter	Units	30229484001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Pentachlorophenol	ug/L	ND	10.1	10.1	ND	ND	0	0	36-142	50	ED, M6
2,4,6-Tribromophenol (S)	%						0	0	21-135		S4
2-Fluorobiphenyl (S)	%						0	0	13-112		S4
2-Fluorophenol (S)	%						0	0	10-62		S4
Nitrobenzene-d5 (S)	%						0	0	13-105		S4
Phenol-d6 (S)	%						0	0	10-48		S4
Terphenyl-d14 (S)	%						0	0	22-161		S4

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30229413

QC Batch:	272176	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples:	30229413001		

METHOD BLANK: 1339156 Matrix: Water

Associated Lab Samples: 30229413001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	4.8	0.89	09/19/17 07:43	

LABORATORY CONTROL SAMPLE: 1339157

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	37.7	94	78-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1339158 1339159

Parameter	Units	30229413001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil and Grease	mg/L	ND	40	40	42.6	41.0	106	102	78-114	4	18	

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30229413

QC Batch: 271084 Analysis Method: SM4500H+B-00

QC Batch Method: SM4500H+B-00 Analysis Description: 4500H+B pH

Associated Lab Samples: 30229413001

SAMPLE DUPLICATE: 1334078

Parameter	Units	30229413001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	1	10	H1,H6

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QUALITY CONTROL DATA

Project: National Grid - Gloversville

Pace Project No.: 30229413

QC Batch: 272033

Analysis Method: EPA 335.4

QC Batch Method: EPA 335.4

Analysis Description: 335.4 Cyanide, Total

Associated Lab Samples: 30229413001

METHOD BLANK: 1338635

Matrix: Water

Associated Lab Samples: 30229413001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.010	0.0020	09/19/17 17:02	

LABORATORY CONTROL SAMPLE: 1338636

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.2	0.19	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1338637 1338638

Parameter	Units	30229413001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.017	.1	.1	0.11	0.11	91	95	90-110	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: National Grid - Gloversville

Pace Project No.: 30229413

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.

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

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
ED	Due to the extract's physical characteristics, the analysis was performed at dilution.
H1	Analysis conducted outside the EPA method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
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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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: National Grid - Gloversville

Pace Project No.: 30229413

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30229413001	System Effluent Grab 0917	EPA 625 Low Level	271297	EPA 625 Low Level	271398
30229413001	System Effluent Grab 0917	EPA 624	271336		
30229413002	Trip Blank	EPA 624	271336		
30229413001	System Effluent Grab 0917	EPA 1664A	272176		
30229413001	System Effluent Grab 0917	SM4500H+B-00	271084		
30229413001	System Effluent Grab 0917	EPA 335.4	272033	EPA 335.4	272275

REPORT OF LABORATORY ANALYSIS

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WO#: 30229413



30229413

Document

Completed accurately.

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: GES - Syracuse		Report To: Mark Boorady (GES) mboorady@gesonline.com		Attention: Accounts Payable via email at ges-invoices@gesonline.com	
Address: 5 Technology Place, Suite 4		Copy To:		Company Name: Groundwater & Environmental Services, Inc.	
East Syracuse, New York 13057				Address: 5 Technology Place, Suite 4, East Syracuse, NY 13057	
Email To: mboorady@gesonline.com		Purchase Order No.:		Pace Quote Reference:	
Phone: 800.220.3069, x4065 Fax: None		Project Name: National Grid - Gloversville Former MGP Site, Gloversville, NY		Pace Project Manager: Rachel Christner	
Requested Due Date/TAT: Standard		Project Number: 06-02882-120780-221-1106		Pace Profile #:	

REGULATORY AGENCY	
<input type="checkbox"/> NPDES	<input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER
<input type="checkbox"/> UST	<input type="checkbox"/> RCRA <input type="checkbox"/> OTHER
SITE LOCATION	
<input type="checkbox"/> GA <input type="checkbox"/> IL <input type="checkbox"/> IN <input type="checkbox"/> MI <input type="checkbox"/> NC	<input type="checkbox"/> OH <input type="checkbox"/> SC <input type="checkbox"/> WI <input type="checkbox"/> OTHER
Filtered (Y/N)	
Requested Analysis:	
<div>Oil & Grease (1824)</div> <div>Phenols Total (420.1)</div> <div>Cyanide Total (420.1)</div> <div>VOCs Reduced (1824)</div> <div>pH & Temperature (1824)</div> <div>Pentachlorophenol</div>	
Pace Project Number Lab I.D.	

ITEM #	Section D Required Client Information	Void Matrix Codes MATRIX DRINKING WATER WATER WASTE WATER PRODUCT SOLID/SLURRY OIL WASTE AIR OTHER RESIDUE	CODE	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives											
						COMPOSITE START						GRAB	DATE	TIME	DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol
1	System Effluent Grab 0917	WT	G						9/7/17	12:35	11	3	1		6	1							
2	Trip Blank	WT	Lab						9/7/17	12:35	2				2								
3	---END OF RECORD---																						
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							

Additional Comments:

SAMPLES WILL ARRIVE IN

1

COOLERS.

Please send reports to: mboorady@gesonline.com,

Syracuselabs@gesonline.com, ges@equisonline.com

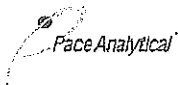
SPECIFIC EDD NAME:

No Gloversville-labnumber.28351.EQEDD.zip

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<i>[Signature]</i>	9/7/17	12:57	<i>[Signature]</i>	9-7-17	1257		YN	YN	YN
<i>[Signature]</i>	9-7-17	14:15	<i>[Signature]</i> (PACE)	9/7/17	14:15	<i>[Signature]</i>	YN	YN	YN
<i>[Signature]</i> (PACE)	9/7/17	16:00	<i>[Signature]</i> (PACE)				YN	YN	YN
<i>[Signature]</i> (PACE)			<i>[Signature]</i> (PACE)	9/8/17	1025	3.1	YN	YN	YN

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of Sampler	<i>[Signature]</i>				
SIGNATURE of Sampler	<i>[Signature]</i>				
	DATE SIGNED				

Pittsburgh Lab Sample Condition Upon Receipt



Client Name: GES Project #

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

Tracking #: 73592388233

Label <u>Zt</u>
LIMS Login <u>BM</u>

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

Thermometer Used 8 Type of Ice: Wet Blue None

Cooler Temperature Observed Temp 3.1 °C Correction Factor: +0.0 °C Final Temp: 3.1 °C

Temp should be above freezing to 6°C

Date and Initials of person examining contents: JRM 9/18/17

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

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution: Received 30+GS, received 3 AGIUS.

☐ 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.

September 26, 2017

Emailed Reports
Pace Analytical Services, Inc.

Certificate of Analysis

Project Name:	Rachel - RUSH Sample Submission	Workorder:	2260671
Purchase Order:		Workorder ID:	Rachel - Routine Sample Submis

Dear Emailed Reports:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, September 12, 2017.

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 Mr. Brad W Kintzer (Project Coordinator) at (717) 944-5541.

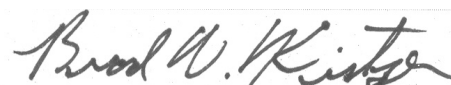
Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications 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.


Mr. Brad W Kintzer
Project Coordinator

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SAMPLE SUMMARY

Workorder: 2260671 Rachel - Routine Sample Submis

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2260671001	30229413-001	Water	9/7/2017 12:35	9/12/2017 09:07	Collected by Client

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SAMPLE SUMMARY

Workorder: 2260671 Rachel - Routine Sample Submis

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.

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: 2260671 Rachel - Routine Sample Submis

Lab ID: **2260671001**
Sample ID: **30229413-001**Date Collected: 9/7/2017 12:35 Matrix: Water
Date Received: 9/12/2017 09:07

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
WET CHEMISTRY										
Phenolics	ND		mg/L	0.005	EPA 420.4	9/19/17 00:00	JLG	9/19/17 10:46	JLG	A

Mr. Brad W Kintzer
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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QUALITY CONTROL DATA

Workorder: 2260671 Rachel - Routine Sample Submis

QC Batch: WETC/193352

Analysis Method: EPA 420.4

QC Batch Method: EPA 420.4

Associated Lab Samples:

METHOD BLANK: 2609912

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.002	mg/L	

METHOD BLANK: 2609914

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.003	mg/L	

METHOD BLANK: 2609916

Parameter	Blank Result	Units	Reporting Limit
Phenolics	-0.00005	mg/L	

METHOD BLANK: 2609918

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.003	mg/L	

METHOD BLANK: 2609920

Parameter	Blank Result	Units	Reporting Limit
Phenolics	0.001	mg/L	

METHOD BLANK: 2609922

Parameter	Blank Result	Units	Reporting Limit

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QUALITY CONTROL DATA

Workorder: 2260671 Rachel - Routine Sample Submis

Phenolics	0.0003	mg/L
-----------	--------	------

METHOD BLANK: 2609924

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 2260671 Rachel - Routine Sample Submis

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
2260671001	30229413-001	420.4/9066	WCPR/41224	EPA 420.4	WETC/193352

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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



2260671
Project No.:
No: ASR- 30229413

Request Date: 9/8/17
Shipped By: FedEx

Analysis Due Date: 9/22/2017

Certification Required: NY

Pace Project No.: 30229413
Report/Invoice to: Rachel Christner

Page 1 of 1

	Pace Sample ID:	Matrix:	Collection Date:	Time:	Analysis Requested:	Analytical Method:	Preservative Type:
1	30229413 001	SL	9/7/17	12:35	Phenolics	420.4	H2SO4
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Y N Initials Cooler Temp: °C
Custody Seals Present? ☒ *DNV*
(If present) Seals intact? ☒
Received on Ice? ☒
COC/Lbls Complete ☒
Cont in Good Cond? ☒
Correct Containers? ☒
Correct Samp Vol? ☒
Correct Preservation? ☒
Headspace/Volatiles? ☒
Tracking #: 7060 2536 7065

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

Level 4 package Required

Subcontract Lab: Analytical Laboratory Services, Inc.
Address: 34 Dogwood Lane
Middletown, PA 17057
Phone: 717-944-5541

Analysis Authorized By: *Rachel Christner*
Pace Agent Name Title

Acceptance of Terms By: _____
Subcontract Lab Agent Title

Relinquished By: *C. Garry* 9/11/17 1600
(Signature & Affiliation) (Date) (Time)

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

Comments:

Received By: *DNV* 9-12 0907
(Signature & Affiliation) (Date) (Time)

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

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

Attachment D – System Operational Data Summary

Gloversville System Data 2017

		NMH-1			NMH-6			Combined		FIT-500		FIC-500	Computerized Pressure Readings						AIT-700		FIT-900		POTW
		Accumulated Time Calculated	Flow Meter	Average Flow Calculated	Totalizer	Flow Meter	Average Flow Calculated	Totalizer	Total Instantaneous Influent Flow	Total Average Flow Calculated	Flow Rate	Totalizer	Flow Rate	Pre-Bag Filter Unit	Pre-Organo Clay Vessels	Pre-Carbon Vessels	Pre-Anion Resin Vessels	Post-Anion Resin Vessels	PH	Temp	Instantaneous Total Effluent Flow Rate	Totalizer	Mechanical Totalizer
		minutes	GPM	GPM	Gallons	GPM	GPM	Gallons	GPM	GPM	GPM	Gallons	GPM	PSI	PSI	PSI	PSI	PSI	PH	'F	GPM	Gallons	Gallons X 1000
		Total Minutes	Average	Average	Total	Average	Average	Total	Average	Average	Average	Total	Average	Average	Average	Average	Average	Average	Average	Average	Average	Average	Total
2017	526890	59.31	23.45	12374086	24.97	4.09	2155738	83.42	27.54	70.00	15545703	70.00	29.99	25.95	22.09	12.70	3.94	7.0	57.4	66.24	13851977	16992	
January	48870	58.32	18.81	921685	27.35	4.03	197916	80.20	22.84	70.02	1201319	70.02	32.00	29.60	27.20	13.60	4.00	6.9	55.0	66.22	716795	1312	
February	40410	54.40	19.26	777570	26.63	4.12	166902	81.03	23.38	69.95	1013075	69.95	29.00	27.00	24.25	14.50	4.00	7.4	56.5	67.43	925633	1108	
March	38955	60.80	21.02	816485	24.90	4.04	158222	85.70	25.06	70.05	1045555	70.05	29.25	26.75	24.25	14.25	4.00	7.1	51.8	67.35	954427	1139	
April	44355	54.38	24.89	1103331	22.78	5.30	234165	77.15	30.18	70.03	1432569	70.03	29.25	23.25	19.00	10.50	4.00	6.9	52.6	67.18	1308441	1565	
May	48870	53.20	25.75	1261637	22.04	4.71	230364	75.24	30.46	70.00	1593423	70.00	34.40	26.80	22.40	12.00	4.00	6.9	57.7	66.13	1460393	1748	
June	39000	68.15	26.25	1023408	23.60	4.60	179213	91.75	30.85	70.00	1283876	70.00	33.50	27.25	22.50	13.00	3.75	7.0	60.4	65.83	1176598	1402	
July	40410	61.25	26.09	1055442	25.90	4.41	179057	87.15	30.50	70.05	1323811	70.05	34.75	26.00	21.50	13.00	4.00	6.9	64.8	65.75	1209707	1442	
August	50130	74.44	25.25	1267658	25.78	3.82	191902	100.22	29.07	70.00	1566307	70.00	28.60	26.00	21.80	13.00	3.80	6.9	62.3	65.06	1432154	1710	
September	40260	61.35	25.05	1007741	25.93	3.75	150327	87.28	28.79	69.93	1238951	69.93	28.50	26.25	22.00	12.75	3.75	7.0	62.3	65.50	1133401	1354	
October	50475	58.67	23.94	1209503	25.28	3.46	174962	83.95	27.40	69.98	1476174	69.98	26.40	23.80	20.20	12.20	4.00	6.9	57.6	65.72	1356799	1618	
November	39075	54.15	23.92	935246	24.75	3.57	139972	78.90	27.49	70.00	1147022	70.00	26.25	23.75	20.00	12.00	4.00	7.0	54.7	66.18	1054237	1256	
December	46080	52.66	21.19	994380	24.73	3.26	152736	72.44	24.44	70.00	1223621	70.00	28.00	25.00	20.00	11.60	4.00	6.98	53.7	66.50	1123392	1338	

GROUT^{TECH} INC.
GROUTING SPECIALISTS
PROGRESS / SUMMARY REPORT

RECEIVED OCT 25 2017

DAY:	Tues and Wen	DATE:	9/29/2017	9/30/2017
OPERATOR:	Tom Washburn	ASSISTANTS:	Calvin Clothier	
CLIENT:	GES Inc	LOCATION:	Gloversville National Grid	
EQUIPMENT:	START TIME:			
OPERATION:	TV inspection	STOP TIME:	TOTAL HOURS:	

COMMENTS:

Tues 9/29/17

CB 7 Blacktop is breaking up around CB frame

There appears to be more silt in system most notable

CB 7 to CB 2

CB 5 There is a large collection of sand still left in parking lot
from winter very close to CB 5

CB 5 to CB 4 I believe the amount of silt in these two 8 " lines has increased
this past year

CB 2 24" outfall line is now holding about 12" of water silt is filling in stone
drainage area.

We found catch basin # 4 leaking ground water around out going 18" HDPE
also around 8 pvc incoming

SKETCHES:

[illegible]

[illegible]

TELEVISION INSPECTION LOG						GROUTTECH INC. 1350 RT 9 GANSEVOORT, NY 12831 518-745-1380		
CLIENT		GES Inc. National Grid						
INSPECTOR								
FROM MH	2	TO MH	Pump Sta			SHEET	of	
SECTION ON		Lot				DATE	9/30/2017	
TYPE OF SURFACING		Paved				TIME		
TYPE OF PIPE		HDPE 8"				SUPT.	Thomas Washburn	
LENGTH OF PIPE						JOINT	20'	
MANHOLE CONDITION		FTG	SERVICE CONNECTION			VIDEO TAPE	NO. 1	FROM 54:17:00
			L	T	R			TO 58:56:00
								COMMENTS
		0				MH 2		
MH 2		12				hard deposit in bottom of line 3/4" to 15'		
		17				hard deposit in bottom of line 3/4" to 19'		
MEASUREMENTS ↓ FLOW ↓		55				Pump Sta line looked ok		
Pump Sta								
KEY								
L - LEAK								
O - OBSTRUCTION								
R - ROOTS								
BJ - BAD JOINT								
BP - BROKEN PIPE								
CP - CRACKED PIPE								
DP - DIP IN PIPE								
Y - WYE								
T - TAP								
DS - DOWN STREAM								
US - UP STREAM								
VT - VIDEO TAPE								
FTG - FOOTAGE								
MH - MANHOLE								
SC - SERVICE CONNECTION								

TELEVISION INSPECTION LOG						GROUTTECH INC. 1350		
CLIENT		GES Inc. National Grid				RT 9		
INSPECTOR						GANSEVOORT, NY 12831		
FROM MH		3		TO MH		2		SHEET of
SECTION ON		Lot				DATE 9/30/2017		
TYPE OF SURFACING		Paved				TIME		
TYPE OF PIPE		HDPE 8"				SUPT. Thomas Washburn		
LENGTH OF PIPE						JOINT 20'		
MANHOLE CONDITION		FTG	SERVICE CONNECTION			VIDEO TAPE	NO. 1	FROM 39:24:00
			L	T	R			TO 54:17:00
		0				CB 3		
MH 3		2				Heavy Silt in line starts pushing over camera lens		
M E A S U R E ↓ F L O W ↓		58				out of water and silt		
		65				camera under water to 81'		
		81				pipe holding 4 + inches of water to MH 2		
		90				MH 2 Heavy Silt through out , Grade poor		
MH 2								
KEY								
L - LEAK								
O - OBSTRUCTION								
R - ROOTS								
BJ - BAD JOINT								
BP - BROKEN PIPE								
CP - CRACKED PIPE								
DP - DIP IN PIPE								
Y - WYE								
T - TAP								
DS - DOWN STREAM								
US - UP STREAM								
VT - VIDEO TAPE								
FTG - FOOTAGE								
MH - MANHOLE								
SC - SERVICE CONNECTION								

TELEVISION INSPECTION LOG					GROUTTECH INC. 1350				
CLIENT		GES Inc. National Grid			RT 9				
INSPECTOR					GANSEVOORT, NY 12831				
FROM MH		CB 5 West line	TO MH	CB 4	SHEET		of		
SECTION ON		Lot			DATE		9/29/2017		
TYPE OF SURFACING		Paved			TIME				
TYPE OF PIPE		HDPE 8"			SUPT.		Thomas Washburn		
LENGTH OF PIPE					JOINT		20'		
MANHOLE CONDITION		FTG	SERVICE CONNECTION			VIDEO TAPE	NO. 1	FROM	31:16:00
			L	T	R			TO	39:24:00
		0				CB 5			
CB 5		4				Silt in line starts			
		10				Dip starts			
M E A S U R E ↓ F L O W ↓		18				Camera under water			
		33				out of water pushing slit heavy to 40'			
		45				Camera under water 57 ' heav7 silt to CB			
		72				CB 4			
CB 4									
KEY									
L - LEAK									
O - OBSTRUCTION									
R - ROOTS									
BJ - BAD JOINT									
BP - BROKEN PIPE									
CP - CRACKED PIPE									
DP - DIP IN PIPE									
Y - WYE									
T - TAP									
DS - DOWN STREAM									
US - UP STREAM									
VT - VIDEO TAPE									
FTG - FOOTAGE									
MH - MANHOLE									
SC - SERVICE CONNECTION									

[illegible]

TELEVISION INSPECTION LOG					GROUTTECH INC. 1350 RT 9 GANSEVOORT, NY 12831 518-745-1380		
CLIENT		GES Inc. National Grid					
INSPECTOR							
FROM MH	CB 4		TO MH	CB 2		SHEET of	
SECTION ON		Lot			DATE 9/29/2017		
TYPE OF SURFACING		Paved			TIME		
TYPE OF PIPE		HDPE 18"			SUPT. Thomas Washburn		
LENGTH OF PIPE					JOINT 20'		
MANHOLE CONDITION		FTG	SERVICE CONNECTION			VIDEO TAPE	NO. 1
			L	T	R		
		0				CB 4	
CB 4		33				joint repaired still looks good	
MEASURE ↓ FLOW ↓						Line holding water through out 3 to 4" deep	
		105				CB 2 Grade flat	
CB 2							
KEY							
L - LEAK							
O - OBSTRUCTION							
R - ROOTS							
BJ - BAD JOINT							
BP - BROKEN PIPE							
CP - CRACKED PIPE							
DP - DIP IN PIPE							
Y - WYE							
T - TAP							
DS - DOWN STREAM							
US - UP STREAM							
VT - VIDEO TAPE							
FTG - FOOTAGE							
MH - MANHOLE							
SC - SERVICE CONNECTION							

[illegible]

TELEVISION INSPECTION LOG					GROUTTECH INC. 1350		
CLIENT		GES Inc. National Grid			RT 9		
INSPECTOR					GANSEVOORT, NY 12831		
FROM MH		CB 7		TO MH		CB 8	
SECTION ON		Lot			DATE		
TYPE OF SURFACING		Paved			TIME		
TYPE OF PIPE		HDPE 15"			SUPT.		
LENGTH OF PIPE					JOINT		
MANHOLE CONDITION		FTG	SERVICE CONNECTION			VIDEO TAPE	NO. 1
			L	T	R		
		0				CB 7	
CB 7		2				Slit in line starts 4" deep	
M E A S U R E ↑ F L O W ↓		8				Slit in line 8" deep	
		38				Slit ends	
		45				CB 8 grade flat	
CB 8							
KEY							
L - LEAK							
O - OBSTRUCTION							
R - ROOTS							
BJ - BAD JOINT							
BP - BROKEN PIPE							
CP - CRACKED PIPE							
DP - DIP IN PIPE							
Y - WYE							
T - TAP							
DS - DOWN STREAM							
US - UP STREAM							
VT - VIDEO TAPE							
FTG - FOOTAGE							
MH - MANHOLE							
SC - SERVICE CONNECTION							