

August 5, 2024

Mr. Parag Amin, P.E.
Project Manager
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7014

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

Dear Mr. Amin:

Enclosed for your review is the Semi-Annual Operations, Maintenance, and Monitoring (OM&M) Report for the National Grid Hill Street in Gloversville, NY, for the period from January 1 to June 30, 2024.

Groundwater and Environmental Service, Inc., (GES) OM&M contractor for National Grid, conducts all long-term OM&M activities at the site. Weekly and monthly site inspections were conducted in 2024. The site is generally in good shape and in compliance.

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

Very truly yours,



for SPS

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

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

National Grid

2024 Semi-Annual OM&M Report



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

August 2024

Version 1





2024 Semi-Annual OM&M Report

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

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

Prepared by:
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GES Project:
0603400.120780.221

Date:
August 5, 2024

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

Devin T. Shay, PG
Program Manager / Principal Hydrogeologist



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1 Introduction

This Semi-Annual Operation, Maintenance, and Monitoring (OM&M) Report for the National Grid Hill Street Site in Gloversville, NY (the Site), and presents the results of the activities conducted between January and June 2024. This report has been prepared in accordance with the *Operation, Maintenance, and Monitoring Manual* for the Storm Water Interim Remedial Measure, which was approved by the NYSDEC on April 21, 2011. A site location map and site map are presented as **Figure 1** and **Figure 2**, respectively.

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

2 Groundwater Treatment System History and Description

2.1 Groundwater Treatment System History

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

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

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

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

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

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



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

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

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

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

2.2 Groundwater Treatment System Components

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

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

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

3 OM&M

3.1 Summary of Routine and Non-Routine Activities

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

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



- Weekly documentation of system flows, pressures, media utilization;
- Coordination with National Grid facility personnel regarding regular chemical/material deliveries;
- Snow removal around the treatment building, as needed;
- Weed trimming within the storm water rip-rap channel, as needed;
- Annual manway cleanout and OWS cleaning;
- Semi-annual system effluent sample;
- Semi-annual generator service.

3.2 Analytical Results

On March 20, 2024, GES conducted the semi-annual effluent water discharge monitoring event. The effluent water sample was submitted to Eurofins Environment Testing (Eurofins) for analysis. Eurofins delivered the analytical reports on April 3, and April 4, 2024. The analytical results indicated no exceedances of the Gloversville-Johnstown Wastewater Treatment Facility Discharge Permit #133 limits. Summary tables of the analytical results are presented as **Table 1** and **Table 2**. The analytical results are presented in **Appendix C**. There are currently no discharge submittals required for this site by the NYSDEC Division of Water, as the system discharge is permitted through the GJJWTF and their associated permits.

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

3.3 Operational Data

For the period January through June 2024, the water treatment system treated and discharged approximately 9,005,000 gallons of water to the POTW sewer at an average flow of 29.78 gpm. No DNAPL or LNAPL was recovered during this operational period. If DNAPL or LNAPL is recovered during any operational period, sorbent materials are utilized to collect emulsified product from the oil/water separator. The oil/water separator is cleaned annually and the coalescing media is replaced. The spent coalescing media is sampled and disposed as non-hazardous waste.

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

To date, approximately 283 million gallons have been successfully treated and discharged without a permit exceedance.

4 Future Activities

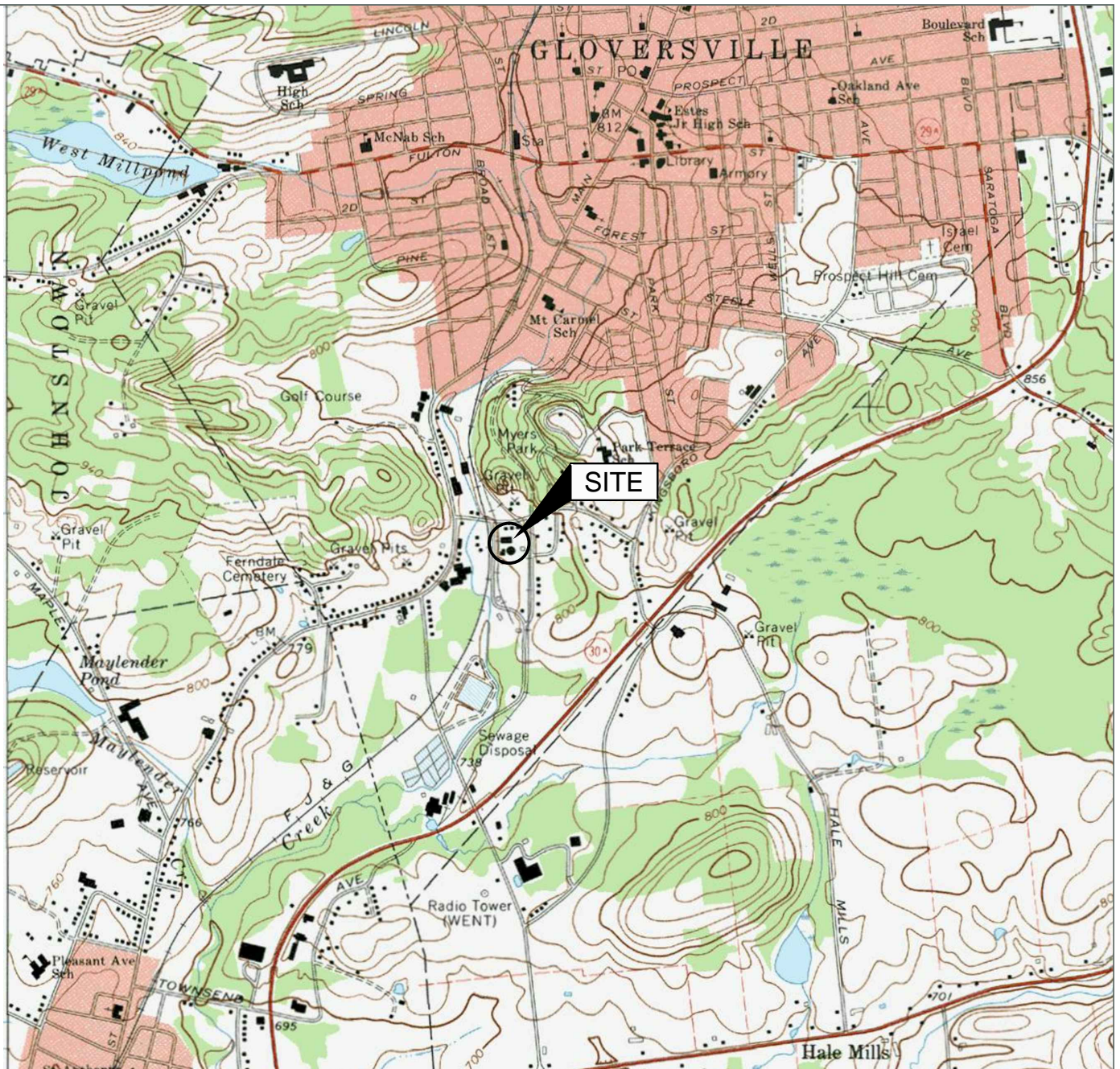
Below are OM&M activities planned for the next six months (July 2024 – December 2024):



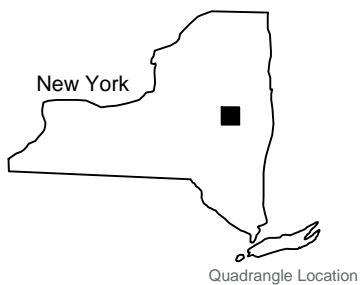
- Conduct monthly site-wide inspections and weekly water treatment system inspections. Document the inspections.
- Operate the water treatment system in continuous batch mode. During normal operations, it is anticipated that 1 (one) on-site day per week will be required (to conduct OM&M activities such as bag filter change-outs and vessel/pump pressure checks). The system is monitored remotely on a continuous basis. If an unforeseen condition arises (i.e., NAPL upset condition), the OM&M staff will respond immediately and remedy the situation.
- Conduct semi-annual operational sampling/analysis to evaluate treatment effectiveness.
- Conduct the semi-annual treated water discharge sampling event in August 2024.
- Rebuild the top of catch basin #7, pending the completion of the french drain project currently under design by Arcadis.
- Prepare a semi-annual OM&M report for July 1, 2024, through December 31, 2024, and submit to the NYSDEC and GJJWTF.



Figures



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



Site Location Map

National Grid
20 Hill Street
Groversville, New York

Drawn
W.G.S.
Designed
Approved

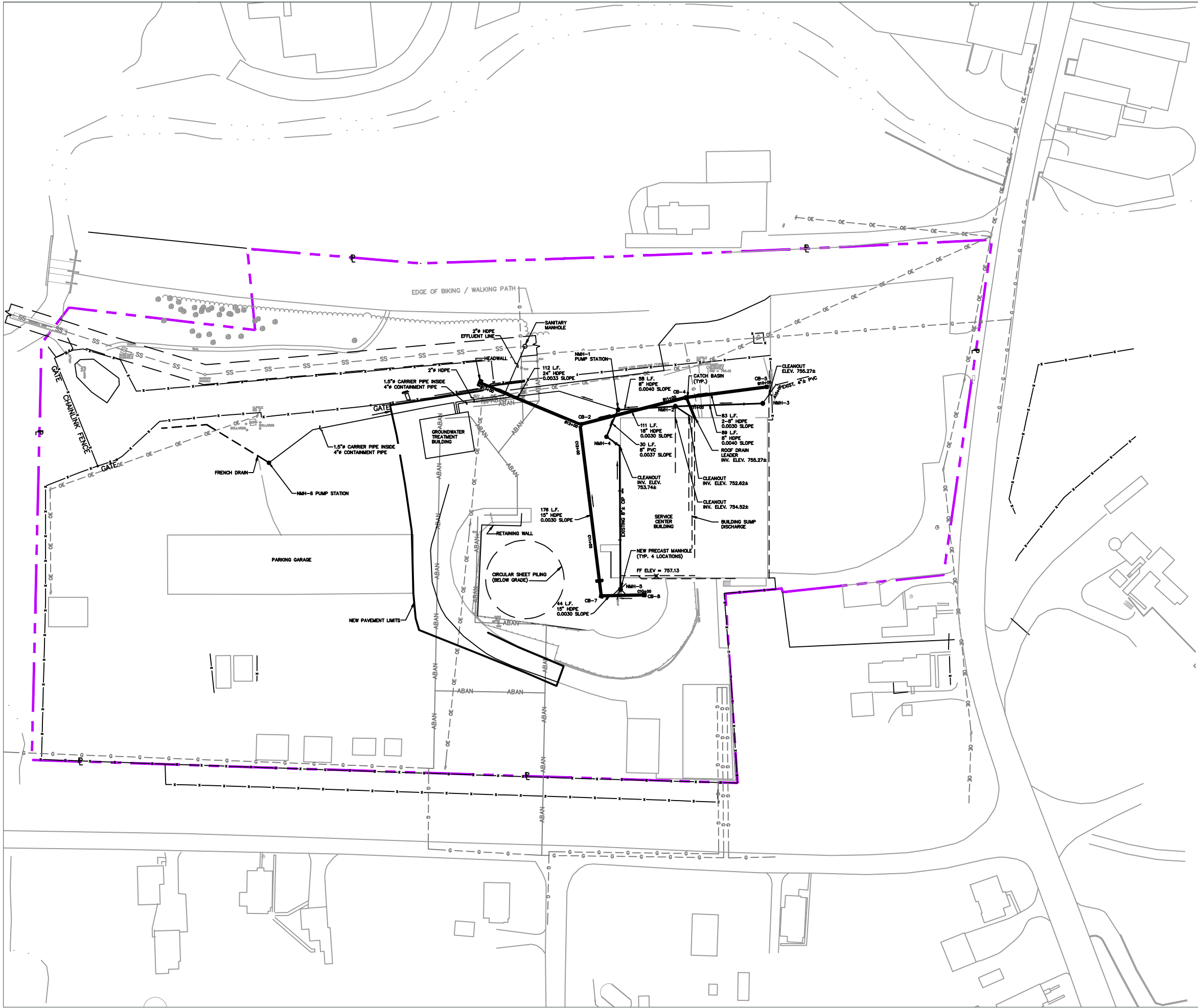


Scale In Feet



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

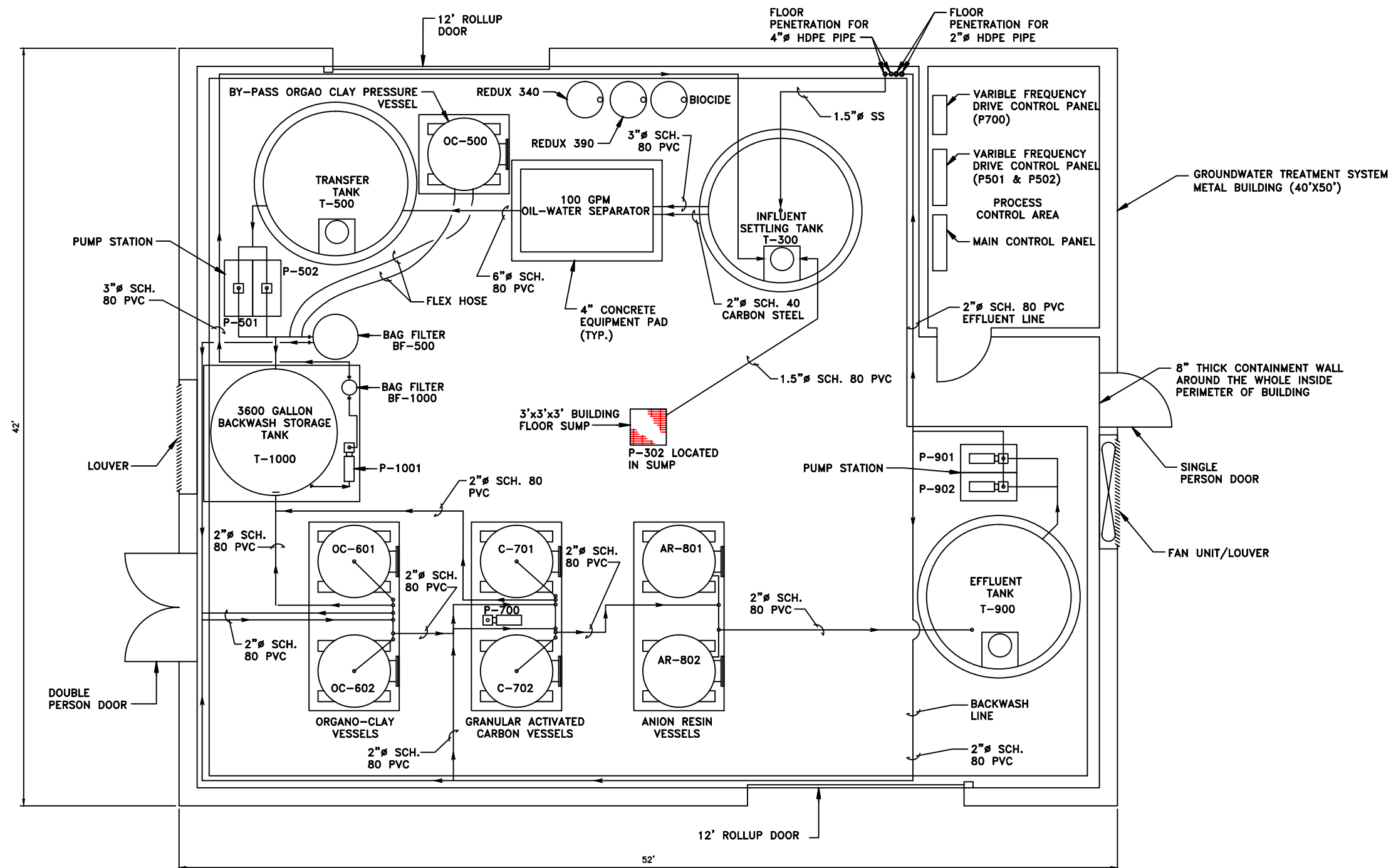
National Grid
20 Hill Street
Gloversville, New York

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



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

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

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

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

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

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

PH/TEMPERATURE ANALYZING TRANSMITTER (AIT-700)

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

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

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

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

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

MECHANICAL FLOW METER (FM-920)

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

CHEMICAL FEED PUMP

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

SEQUESTERING AGENT

TYPE: REDUX390
MANUFACTURER: REDUX CHEM.

BIOCIDE

TYPE: BIOBROM C-105L
MANUFACTURER: CLEARON CORPORATION

BACKWASH STORAGE TANK T-1000

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

ABBREVIATIONS

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

LEGEND:

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

MAIN PLC INTERLOCKS:

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

Process and Instrumentation Diagram Legend

National Grid
20 Hill Street
Gloversville, New York

Drawn
W.G.S.
Designed

Approved

Date
1-30-18
Figure

5

Not to Scale



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



Tables



Table 1

Effluent Permit and Analytical Data
24-Hour Composite Sample

Parameter	Maximum 24-Hour Pollutant Concentrations (mg/L)	Frequency Requirements	03/20/24
Antimony	1.50	Semi-Annual	ND (<0.020)
Arsenic	0.10	Semi-Annual	ND (<0.015)
Cadmium	0.03	Semi-Annual	ND (<0.0020)
Chromium, Total	10.00	Semi-Annual	ND (<0.0040)
Chromium, Hexavalent	0.15	Semi-Annual	ND (<0.010)
Copper	0.20	Semi-Annual	ND (<0.010)
Lead	0.12	Semi-Annual	ND (<0.010)
Mercury	0.03	Semi-Annual	ND (<0.00020)
Nickel	0.50	Semi-Annual	0.0019 J
Selenium	0.03	Semi-Annual	ND (<0.025)
Silver	0.04	Semi-Annual	ND (<0.0060)
Thallium	0.06	Semi-Annual	ND (<0.020)
Zinc	0.65	Semi-Annual	0.0046 J
Naphthalene	0.30	Semi-Annual	ND (<0.0049)
Aldrin	0.00005	Semi-Annual	ND (<0.000048)
BHC, Isomers (sum)	0.0002	Semi-Annual	ND (<0.000048)
Total Chlorinated Phenols	0.01	Semi-Annual	ND (<0.010)
Pentachlorophenol	0.01	Semi-Annual	ND (<0.0097)

mg/L = milligrams per Liter

J = Estimated Value



Table 2

Effluent Permit and Analytical Data
Grab Sample

Parameter	Peak Instantaneous Concentrations (mg/L)	Frequency Requirements	03/20/24
Benzene	0.014	Semi-Annual	ND (<0.0050)
Chloroform	0.41	Semi-Annual	ND (<0.0050)
Cyanide, Total	0.10	Semi-Annual	ND (<0.010)
Ethylbenzene	1.00	Semi-Annual	ND (<0.0050)
1,1,2,2-Tetrachloroethane	0.04	Semi-Annual	ND (<0.0050)
Tetrachloroethylene	0.01	Semi-Annual	ND (<0.0050)
Toluene	1.38	Semi-Annual	ND (<0.0050)
Phenols (4AAP)	1.37	Semi-Annual	0.0069 J
Oil & Grease	150	Semi-Annual	ND (<4.8)
Temperature, °F	150	Semi-Annual	67.62
pH, SU	6-10	Semi-Annual	7.60

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



Appendix A – Monthly Inspection Forms

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

Date: 1/5/2024

Time: 1030

Technician: KL

Weather: cloudy 40

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

Stormwater conveyance system lines and catch basins cleaned May 17, 2023.

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

Date: 2/6/2024

Time: 930

Technician: KL

Weather: Sunny 26

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

Stormwater conveyance system lines and catch basins cleaned May 17, 2023.

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

Date: 3/5//2024

Time: 830

Technician: KL

Weather: rain 44

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

Stormwater conveyance system lines and catch basins cleaned May 17, 2023.

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

Date: 4/02/2024

Time: 1100

Technician: KL

Weather: cloudy 43

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

Stormwater conveyance system lines and catch basins cleaned May 17, 2023.

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

Date: 5/08/2024

Time: 1100

Technician: KL

Weather: rain 53

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

Stormwater conveyance system lines and catch basins cleaned May 8 2024.

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

Date: 6/04/2024

Time: 800

Technician: KL

Weather: sunny 65

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

Stormwater conveyance system lines and catch basins cleaned May 8 2024.



Appendix B – Weekly Inspection Forms

Date: 06/25/2024

National Grid

Technician: KL

Time: 1030

Gloversville, New York

Weather: sunny 72

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	1			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	1			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/7/2024 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/7/2024	
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/7/2024 Sun	
OWS media in good condition?	Yes	No	New Media 5/7/2024	
Clean OWS media?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	66		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	There is 6" of BW carbon to be removed 3/2025	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	Changed 5/7/2024	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 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	Changed 5/7/2024	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 06/18/2024

National Grid
Gloversville, New York

Technician: KL

Time: 0845

Weather: sunny 77

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	1			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	1			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/7/2024 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/7/2024	
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/7/2024 Sun	
OWS media in good condition?	Yes	No	New Media 5/7/2024	
Clean OWS media?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	74		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	There is 6" of BW carbon to be removed 3/2025	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	Changed 5/7/2024	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 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	Changed 5/7/2024	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 06/11/2024

National Grid
Gloversville, New York

Technician: KL

Time: 0830

Weather: Cloudy 56

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	2			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/7/2024 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/7/2024	
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/7/2024 Sun	
OWS media in good condition?	Yes	No	New Media 5/7/2024	
Clean OWS media?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	82		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	There is 6" of BW carbon to be removed 3/2025	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	Changed 5/7/2024	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 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	Changed 5/7/2024	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 06/04/2024

National Grid
Gloversville, New York

Technician: KL

Time: 1030

Weather: Cloudy 68

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	2			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/7/2024 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/7/2024	
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/7/2024 Sun	
OWS media in good condition?	Yes	No	New Media 5/7/2024	
Clean OWS media?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	90		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	There is 6" of BW carbon to be removed 3/2025	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	Changed 5/7/2024	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 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	Changed 5/7/2024	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 05/28/2024

National Grid
Gloversville, New YorkTechnician: TB/PL
Weather: Cloudy 68

Time: 1030

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	3			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/7/2024 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/7/2024	
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/7/2024 Sun	
OWS media in good condition?	Yes	No	New Media 5/7/2024	
Clean OWS media?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	98		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	There is 6" of BW carbon to be removed 3/2025	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	Changed 5/7/2024	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 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	Changed 5/7/2024	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 05/21/2024

National Grid

Technician: TB/PL

Time: 0900

Gloversville, New York

Weather: Sunny 78

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	3			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/7/2024 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/7/2024	
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/7/2024 Sun	
OWS media in good condition?	Yes	No	New Media 5/7/2024	
Clean OWS media?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	106		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	There is 6" of BW carbon to be removed 3/2025	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	Changed 5/7/2024	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 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	Changed 5/7/2024	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 05/14/2024

National Grid
Gloversville, New YorkTechnician: KL
Weather: Sunny 48

Time:0800

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	4			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/7/2024 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/7/2024	
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/7/2024 Sun	
OWS media in good condition?	Yes	No	New Media 5/7/2024	
Clean OWS media?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	114		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	There is 6" of BW carbon to be removed 3/2025	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	Changed 5/7/2024	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 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	Changed 5/7/2024	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 05/08/2024

National Grid
Gloversville, New York

Technician: KL

Time:0845

Weather: Rain 53

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	4			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	3			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/7/2024 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/7/2024	
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/7/2024 Sun	
OWS media in good condition?	Yes	No	New Media 5/7/2024	
Clean OWS media?	Yes	No	Cleaned 5/7/2024 Sun	
Change LNAPL booms from inside OWS?	Yes	No		
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	122		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	There is 6" of BW carbon to be removed 3/2025	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	Changed 5/7/2024	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/7/2024 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	Changed 5/7/2024	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 04/23/2024

National Grid
Gloversville, New YorkTechnician: KL
Weather: Sunny 52

Time:0900

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	5			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	138		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 04/16/2024

Time:0815

National Grid
Gloversville, New York

Technician: KL

Weather: Sunny 46

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	6			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	5			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	146		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 04/09/2024

National Grid
Gloversville, New York

Technician: KL

Weather: Sunny 58

Time: 1045

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	6			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	5			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	154		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 04/02/2024

National Grid
Gloversville, New York

Technician: KL

Time: 1100

Weather: cloudy 43

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	7			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	5			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	162		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 03/26/2024

National Grid
Gloversville, New York

Technician: KL

Time: 1145

Weather: cloudy 30

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	7			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	6			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	170		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 03/19/2024

National Grid
Gloversville, New YorkTechnician: KL
Weather: cloudy 30

Time: 0930

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	8			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	6			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	178		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/12/2024
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/13/2024
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/12/2024
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 03/12/2024

National Grid
Gloversville, New York

Technician: KL

Time: 0730

Weather: cloudy 33

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	2			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	0			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	1			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	82		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/16/2023
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 03/05/2024

National Grid
Gloversville, New YorkTechnician: KL
Weather: rain 44

Time: 0830

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	3			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	0			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	90		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/16/2023
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 02/27/2024

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

Time: 0830

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	3			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	0			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	98		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/16/2023
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 02/20/2024

National Grid
Gloversville, New York

Technician: KL

Time: 1000

Weather: Sunny 18

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	4			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	0			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	106		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/16/2023
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 02/06/2024

National Grid
Gloversville, New York

Technician: KL

Time: 915

Weather: Sunny 26

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	4			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	0			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	2			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	114		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/16/2023
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 02/06/2024

National Grid
Gloversville, New YorkTechnician: KL
Weather: Sunny 26

Time: 915

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	4			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	122		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/16/2023
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 01/30/2024

National Grid
Gloversville, New YorkTechnician: KL
Weather: Cloudy 31

Time: 1230

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	4			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	130		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/16/2023
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 01/23/2024

National Grid
Gloversville, New YorkTechnician: KL
Weather: Cloudy 31

Time: 1000

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	4			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	4			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	138		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/16/2023
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 01/17/2024

National Grid
Gloversville, New York

Technician: KL

Time: 1045

Weather: sunny 17

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620	1			
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?	1			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?	1			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?	130		Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/16/2023
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	

Date: 01/03/2024

National Grid
Gloversville, New York

Technician: KL

Time: 1045

Weather: sunny 40

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No		
Fire Extinguishers in good condition?	Yes	No	Annual Inspections in December	
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
Number of extra Biocide drums? Redux 620		1		
Redux 340 pump operating and in good condition?	Yes	No		
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012 rebuilt unit 9/1/2012.	
Number of extra Redux 340 drums?		1		
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
Number of extra Redux 390 drums?		1		
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/17/2023 Sun	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Change LNAPL boom from inside influent tank?	Yes	No	Changed 5/25/2023	
OWS in good condition and free of leaks?	Yes	No	parallel	
OWS hopper sediment?	Yes	No	Cleaned 5/17/2023 Sun	
OWS media in good condition?	Yes	No	New Media 5/17/2023	
Clean OWS media?	Yes	No	New Media 5/17/2023	
Change LNAPL booms from inside OWS?	Yes	No	parallel	
Any LNAPL in OWS?	Yes	No	amount?	
OWS effluent Tank 500 in good condition and free of leaks?	Yes	No	Cleaned 9/16/2014 Clean Harbors	
OWS effluent Tank 500 sediment?	Yes	No	amount?	
Change LNAPL boom from inside OWS effluent tank?	Yes	No		
Pump P-501 operating and in good condition?	Yes	No	New Unit 12/18/2017	
Pump P-502 operating and in good condition?	Yes	No	New Unit 4/7/2014	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No	OFF LINE	
Bag filter unit operating and in good condition?	Yes	No		
Number of extra 10 Micron bags?		146	Order more when level reaches 30	
Organo Clay OC-601 operating and in good condition?	Yes	104	parallel	new media 3/16/2023
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/16/2023
Calibrate PH and temperature meter?	Yes	No		
BW storage water Tank 900 in good condition and free of leaks?	Yes	No		
BW storage water Tank 900 sediment?	Yes	No	Cleaned 5/10/2016 Clean Harbors	
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New Unit 3/4/2014	
Pump P-902 operating and in good condition?	Yes	No	New Unit 2/18/2014	
GJJWTF meter operating and in good condition?	Yes	No		
BW water Tank 1000 in good condition and free of leaks?	Yes	No		
BW water Tank 1000 sediment?	Yes	No	Cleaned 5/17/2023 Sun	
Pump P-1001 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 Sun	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No	All New 6/8/2018-Tee repair 11/6/2018	
Change LNAPL boom in NMH-1?	Yes	No	5/25/2023	
Pump P-101 operating?	Yes	No	New Unit 6/8/2018	
Pump P-102 operating?	Yes	No	New Unit 9/18/2018	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/17/2023 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	5/25/2023	
Pump P-201 operating?	Yes	No	New unit 5/22/2019	
Pump P-202 operating?	Yes	No	New unit 5/22/2019	



Appendix C – Treated Effluent Water Analytical Data

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services Inc
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

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JOB DESCRIPTION

Gloversville Semi-Annual Composite

JOB NUMBER

480-218072-1

Eurofins Buffalo

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^1-	Initial Calibration Verification (ICV) is outside acceptance limits, low biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project:

Job ID: 480-218072-1

Job ID: 480-218072-1

Eurofins Buffalo

Job Narrative 480-218072-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 3/22/2024 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9° C.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Methods 245.1: The initial calibration verification (ICV) result for batch 480-704963 was above the upper control limit. The affected analytes are: Mercury. Sample results were non-detects, and have been reported as qualified data.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Methods 420.4: The continuing calibration blank (CCB) for analytical batch 480-705218 contained Phenolics, Total Recoverable above the reporting limit (RL). All reported samples associated with this CCB were ND for this analyte; therefore, re-analysis of samples was not performed. (480-218067-I-8), (480-218067-I-8 DU), (480-218067-H-9) and (480-218067-H-9 MS)

Method 7196A: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: System Effluent Composite (480-218072-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-704790.

Method 625: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-704796.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Detection Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Client Sample ID: System Effluent Composite

Lab Sample ID: 480-218072-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Phenol	1.6	J	4.9	0.085	ug/L	1			625.1	Total/NA
Nickel	0.0019	J	0.010	0.0013	mg/L	1			200.7 Rev 4.4	Total/NA
Zinc	0.0046	J	0.010	0.0015	mg/L	1			200.7 Rev 4.4	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Client Sample ID: System Effluent Composite

Lab Sample ID: 480-218072-1

Date Collected: 03/20/24 12:00

Matrix: Water

Date Received: 03/22/24 09:30

Method: EPA 625.1 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		4.9	0.24	ug/L		03/22/24 13:53	03/25/24 16:32	1
2,4-Dichlorophenol	ND		4.9	0.19	ug/L		03/22/24 13:53	03/25/24 16:32	1
2,4-Dimethylphenol	ND		4.9	0.34	ug/L		03/22/24 13:53	03/25/24 16:32	1
2,4-Dinitrophenol	ND		9.7	1.2	ug/L		03/22/24 13:53	03/25/24 16:32	1
2-Chlorophenol	ND		4.9	0.16	ug/L		03/22/24 13:53	03/25/24 16:32	1
2-Nitrophenol	ND		4.9	0.17	ug/L		03/22/24 13:53	03/25/24 16:32	1
4-Nitrophenol	ND		15	0.47	ug/L		03/22/24 13:53	03/25/24 16:32	1
Naphthalene	ND		4.9	0.21	ug/L		03/22/24 13:53	03/25/24 16:32	1
Pentachlorophenol	ND		9.7	0.76	ug/L		03/22/24 13:53	03/25/24 16:32	1
Phenol	1.6	J	4.9	0.085	ug/L		03/22/24 13:53	03/25/24 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	102		52 - 151	03/22/24 13:53	03/25/24 16:32	1
2-Fluorobiphenyl (Surr)	85		44 - 120	03/22/24 13:53	03/25/24 16:32	1
2-Fluorophenol	52		17 - 120	03/22/24 13:53	03/25/24 16:32	1
Nitrobenzene-d5 (Surr)	80		15 - 314	03/22/24 13:53	03/25/24 16:32	1
Phenol-d5	37		8 - 424	03/22/24 13:53	03/25/24 16:32	1
p-Terphenyl-d14 (Surr)	104		22 - 125	03/22/24 13:53	03/25/24 16:32	1

Method: EPA 608.3 - Organochlorine Pesticides in Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.048	0.0077	ug/L		03/22/24 13:46	03/25/24 12:38	1
alpha-BHC	ND		0.048	0.0073	ug/L		03/22/24 13:46	03/25/24 12:38	1
beta-BHC	ND		0.048	0.024	ug/L		03/22/24 13:46	03/25/24 12:38	1
delta-BHC	ND		0.048	0.0095	ug/L		03/22/24 13:46	03/25/24 12:38	1
gamma-BHC (Lindane)	ND		0.048	0.0076	ug/L		03/22/24 13:46	03/25/24 12:38	1
BHC, Total	ND		0.048	0.048	ug/L		03/22/24 13:46	03/25/24 12:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		23 - 120	03/22/24 13:46	03/25/24 12:38	1
DCB Decachlorobiphenyl	74		23 - 120	03/22/24 13:46	03/25/24 12:38	1
Tetrachloro-m-xylene (Surr)	97		44 - 120	03/22/24 13:46	03/25/24 12:38	1
Tetrachloro-m-xylene (Surr)	92		44 - 120	03/22/24 13:46	03/25/24 12:38	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		03/25/24 08:55	03/27/24 20:32	1
Arsenic	ND		0.015	0.0056	mg/L		03/25/24 08:55	03/27/24 20:32	1
Cadmium	ND		0.0020	0.00050	mg/L		03/25/24 08:55	03/27/24 20:32	1
Chromium	ND		0.0040	0.0010	mg/L		03/25/24 08:55	03/27/24 20:32	1
Copper	ND		0.010	0.0016	mg/L		03/25/24 08:55	03/27/24 20:32	1
Lead	ND		0.010	0.0030	mg/L		03/25/24 08:55	03/27/24 20:32	1
Nickel	0.0019	J	0.010	0.0013	mg/L		03/25/24 08:55	03/28/24 16:44	1
Selenium	ND		0.025	0.0087	mg/L		03/25/24 08:55	03/27/24 20:32	1
Silver	ND		0.0060	0.0017	mg/L		03/25/24 08:55	03/27/24 20:32	1
Thallium	ND		0.020	0.010	mg/L		03/25/24 08:55	03/27/24 20:32	1
Zinc	0.0046	J	0.010	0.0015	mg/L		03/25/24 08:55	03/27/24 20:32	1

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^1+ ^1-	0.00020	0.000043	mg/L		03/25/24 09:36	03/25/24 13:58	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Client Sample ID: System Effluent Composite

Lab Sample ID: 480-218072-1

Date Collected: 03/20/24 12:00

Matrix: Water

Date Received: 03/22/24 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable (EPA 420.4)	ND		0.010	0.0035	mg/L			04/03/24 14:27	1
Chromium, hexavalent (SW846 7196A)	ND	H H3	0.010	0.0050	mg/L			03/22/24 10:55	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-151)	FBP (44-120)	2FP (17-120)	NBZ (15-314)	PHL (8-424)	TPHd14 (22-125)
480-218072-1	System Effluent Composite	102	85	52	80	37	104
LCS 480-704796/2-A	Lab Control Sample	112	93	55	86	39	110
LCSD 480-704796/3-A	Lab Control Sample Dup	102	86	51	79	37	93
MB 480-704796/1-A	Method Blank	83	92	55	89	38	99

Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5

TPHd14 = p-Terphenyl-d14 (Surr)

Method: 608.3 - Organochlorine Pesticides in Water

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (23-120)	DCBP2 (23-120)	TCX1 (44-120)	TCX2 (44-120)
480-218072-1	System Effluent Composite	78	74	97	92
LCS 480-704790/2-A	Lab Control Sample	82	79	95	80
LCSD 480-704790/3-A	Lab Control Sample Dup	85	82	89	75
MB 480-704790/1-A	Method Blank	76	72	81	73

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-704796/1-A

Matrix: Water

Analysis Batch: 704933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 704796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		5.0	0.25	ug/L		03/22/24 13:53	03/25/24 14:26	1
2,4-Dichlorophenol	ND		5.0	0.19	ug/L		03/22/24 13:53	03/25/24 14:26	1
2,4-Dimethylphenol	ND		5.0	0.35	ug/L		03/22/24 13:53	03/25/24 14:26	1
2,4-Dinitrophenol	ND		10	1.3	ug/L		03/22/24 13:53	03/25/24 14:26	1
2-Chlorophenol	ND		5.0	0.17	ug/L		03/22/24 13:53	03/25/24 14:26	1
2-Nitrophenol	ND		5.0	0.18	ug/L		03/22/24 13:53	03/25/24 14:26	1
4-Nitrophenol	ND		15	0.49	ug/L		03/22/24 13:53	03/25/24 14:26	1
Naphthalene	ND		5.0	0.22	ug/L		03/22/24 13:53	03/25/24 14:26	1
Pentachlorophenol	ND		10	0.79	ug/L		03/22/24 13:53	03/25/24 14:26	1
Phenol	ND		5.0	0.088	ug/L		03/22/24 13:53	03/25/24 14:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	83		52 - 151	03/22/24 13:53	03/25/24 14:26	1
2-Fluorobiphenyl (Surr)	92		44 - 120	03/22/24 13:53	03/25/24 14:26	1
2-Fluorophenol	55		17 - 120	03/22/24 13:53	03/25/24 14:26	1
Nitrobenzene-d5 (Surr)	89		15 - 314	03/22/24 13:53	03/25/24 14:26	1
Phenol-d5	38		8 - 424	03/22/24 13:53	03/25/24 14:26	1
p-Terphenyl-d14 (Surr)	99		22 - 125	03/22/24 13:53	03/25/24 14:26	1

Lab Sample ID: LCS 480-704796/2-A

Matrix: Water

Analysis Batch: 704933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 704796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,6-Trichlorophenol	50.0	47.2		ug/L		94	37 - 144
2,4-Dichlorophenol	50.0	42.8		ug/L		86	39 - 135
2,4-Dimethylphenol	50.0	34.2		ug/L		68	32 - 120
2,4-Dinitrophenol	100	112		ug/L		112	1 - 191
2-Chlorophenol	50.0	38.2		ug/L		76	23 - 134
2-Nitrophenol	50.0	48.0		ug/L		96	29 - 182
4-Nitrophenol	100	51.1		ug/L		51	1 - 132
Naphthalene	50.0	38.3		ug/L		77	21 - 133
Pentachlorophenol	100	72.3		ug/L		72	14 - 176
Phenol	50.0	18.5		ug/L		37	5 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	112		52 - 151
2-Fluorobiphenyl (Surr)	93		44 - 120
2-Fluorophenol	55		17 - 120
Nitrobenzene-d5 (Surr)	86		15 - 314
Phenol-d5	39		8 - 424
p-Terphenyl-d14 (Surr)	110		22 - 125

Lab Sample ID: LCSD 480-704796/3-A

Matrix: Water

Analysis Batch: 704933

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 704796

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	50.0	44.1		ug/L		88	37 - 144	7	20

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QC Sample Results

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Method: 625.1 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-704796/3-A

Matrix: Water

Analysis Batch: 704933

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 704796

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dichlorophenol	50.0	39.5		ug/L		79	39 - 135	8	23
2,4-Dimethylphenol	50.0	31.5		ug/L		63	32 - 120	8	18
2,4-Dinitrophenol	100	102		ug/L		102	1 - 191	10	29
2-Chlorophenol	50.0	35.5		ug/L		71	23 - 134	7	26
2-Nitrophenol	50.0	45.4		ug/L		91	29 - 182	6	28
4-Nitrophenol	100	46.4		ug/L		46	1 - 132	10	24
Naphthalene	50.0	35.6		ug/L		71	21 - 133	7	31
Pentachlorophenol	100	63.3		ug/L		63	14 - 176	13	21
Phenol	50.0	17.4		ug/L		35	5 - 120	6	36

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	102		52 - 151
2-Fluorobiphenyl (Surr)	86		44 - 120
2-Fluorophenol	51		17 - 120
Nitrobenzene-d5 (Surr)	79		15 - 314
Phenol-d5	37		8 - 424
p-Terphenyl-d14 (Surr)	93		22 - 125

Method: 608.3 - Organochlorine Pesticides in Water

Lab Sample ID: MB 480-704790/1-A

Matrix: Water

Analysis Batch: 704867

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 704790

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.0081	ug/L		03/22/24 13:46	03/25/24 09:04	1
alpha-BHC	0.0104	J	0.050	0.0077	ug/L		03/22/24 13:46	03/25/24 09:04	1
beta-BHC	ND		0.050	0.025	ug/L		03/22/24 13:46	03/25/24 09:04	1
delta-BHC	ND		0.050	0.010	ug/L		03/22/24 13:46	03/25/24 09:04	1
gamma-BHC (Lindane)	0.0128	J	0.050	0.0080	ug/L		03/22/24 13:46	03/25/24 09:04	1
BHC, Total	ND		0.050	0.050	ug/L		03/22/24 13:46	03/25/24 09:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		23 - 120	03/22/24 13:46	03/25/24 09:04	1
DCB Decachlorobiphenyl	72		23 - 120	03/22/24 13:46	03/25/24 09:04	1
Tetrachloro-m-xylene (Surr)	81		44 - 120	03/22/24 13:46	03/25/24 09:04	1
Tetrachloro-m-xylene (Surr)	73		44 - 120	03/22/24 13:46	03/25/24 09:04	1

Lab Sample ID: LCS 480-704790/2-A

Matrix: Water

Analysis Batch: 704867

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 704790

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin	0.500	0.492		ug/L		98	40 - 125
alpha-BHC	0.500	0.475		ug/L		95	52 - 125
beta-BHC	0.500	0.538		ug/L		108	52 - 120
delta-BHC	0.500	0.520		ug/L		104	51 - 120
gamma-BHC (Lindane)	0.500	0.531		ug/L		106	56 - 120

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QC Sample Results

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Method: 608.3 - Organochlorine Pesticides in Water (Continued)

Lab Sample ID: LCS 480-704790/2-A

Matrix: Water

Analysis Batch: 704867

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 704790

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	82		23 - 120
DCB Decachlorobiphenyl	79		23 - 120
Tetrachloro-m-xylene (Surr)	95		44 - 120
Tetrachloro-m-xylene (Surr)	80		44 - 120

Lab Sample ID: LCSD 480-704790/3-A

Matrix: Water

Analysis Batch: 704867

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 704790

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin	0.500	0.470		ug/L		94	40 - 125	5	50
alpha-BHC	0.500	0.462		ug/L		92	52 - 125	3	50
beta-BHC	0.500	0.521		ug/L		104	52 - 120	3	50
delta-BHC	0.500	0.487		ug/L		97	51 - 120	7	50
gamma-BHC (Lindane)	0.500	0.517		ug/L		103	56 - 120	3	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	85		23 - 120
DCB Decachlorobiphenyl	82		23 - 120
Tetrachloro-m-xylene (Surr)	89		44 - 120
Tetrachloro-m-xylene (Surr)	75		44 - 120

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-704827/1-A

Matrix: Water

Analysis Batch: 705363

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 704827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		03/25/24 08:55	03/27/24 19:48	1
Arsenic	ND		0.015	0.0056	mg/L		03/25/24 08:55	03/27/24 19:48	1
Cadmium	ND		0.0020	0.00050	mg/L		03/25/24 08:55	03/27/24 19:48	1
Chromium	ND		0.0040	0.0010	mg/L		03/25/24 08:55	03/27/24 19:48	1
Copper	ND		0.010	0.0016	mg/L		03/25/24 08:55	03/27/24 19:48	1
Selenium	ND		0.025	0.0087	mg/L		03/25/24 08:55	03/27/24 19:48	1
Silver	ND		0.0060	0.0017	mg/L		03/25/24 08:55	03/27/24 19:48	1
Thallium	ND		0.020	0.010	mg/L		03/25/24 08:55	03/27/24 19:48	1
Zinc	ND		0.010	0.0015	mg/L		03/25/24 08:55	03/27/24 19:48	1

Lab Sample ID: MB 480-704827/1-A

Matrix: Water

Analysis Batch: 705515

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 704827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.010	0.0030	mg/L		03/25/24 08:55	03/28/24 16:00	1
Nickel	ND		0.010	0.0013	mg/L		03/25/24 08:55	03/28/24 16:00	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-704827/2-A
Matrix: Water
Analysis Batch: 705363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.460		mg/L		92	85 - 115
Arsenic	1.00	0.908		mg/L		91	85 - 115
Cadmium	0.500	0.456		mg/L		91	85 - 115
Chromium	0.500	0.472		mg/L		94	85 - 115
Copper	0.500	0.458		mg/L		92	85 - 115
Selenium	1.00	0.886		mg/L		89	85 - 115
Silver	0.0500	0.0481		mg/L		96	85 - 115
Thallium	1.00	0.904		mg/L		90	85 - 115
Zinc	0.500	0.470		mg/L		94	85 - 115

Lab Sample ID: LCS 480-704827/2-A
Matrix: Water
Analysis Batch: 705515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.500	0.481		mg/L		96	85 - 115
Nickel	0.500	0.485		mg/L		97	85 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-704869/1-A
Matrix: Water
Analysis Batch: 704963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704869

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/25/24 09:36	03/25/24 13:55	1

Lab Sample ID: LCS 480-704869/2-A
Matrix: Water
Analysis Batch: 704963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704869

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00673		mg/L		100	85 - 115

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-706168/18
Matrix: Water
Analysis Batch: 706168

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0035	mg/L			04/03/24 13:10	1

Lab Sample ID: MB 480-706168/46
Matrix: Water
Analysis Batch: 706168

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0035	mg/L			04/03/24 14:53	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCS 480-706168/19
Matrix: Water
Analysis Batch: 706168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenolics, Total Recoverable	0.100	0.0965		mg/L		97	90 - 110

Lab Sample ID: LCS 480-706168/47
Matrix: Water
Analysis Batch: 706168

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenolics, Total Recoverable	0.100	0.0961		mg/L		96	90 - 110

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-704759/3
Matrix: Water
Analysis Batch: 704759

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.010	0.0050	mg/L			03/22/24 10:55	1

Lab Sample ID: LCS 480-704759/4
Matrix: Water
Analysis Batch: 704759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	0.0500	0.0478		mg/L		96	85 - 115

Lab Sample ID: 480-218072-1 MS
Matrix: Water
Analysis Batch: 704759

Client Sample ID: System Effluent Composite
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	ND	H H3	0.0500	0.0465		mg/L		93	85 - 115

Lab Sample ID: 480-218072-1 DU
Matrix: Water
Analysis Batch: 704759

Client Sample ID: System Effluent Composite
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium, hexavalent	ND	H H3	ND		mg/L		NC	20

QC Association Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

GC/MS Semi VOA

Prep Batch: 704796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218072-1	System Effluent Composite	Total/NA	Water	625	
MB 480-704796/1-A	Method Blank	Total/NA	Water	625	
LCS 480-704796/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 480-704796/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 704933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218072-1	System Effluent Composite	Total/NA	Water	625.1	704796
MB 480-704796/1-A	Method Blank	Total/NA	Water	625.1	704796
LCS 480-704796/2-A	Lab Control Sample	Total/NA	Water	625.1	704796
LCSD 480-704796/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	704796

GC Semi VOA

Prep Batch: 704790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218072-1	System Effluent Composite	Total/NA	Water	3510C	
MB 480-704790/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-704790/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-704790/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 704867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218072-1	System Effluent Composite	Total/NA	Water	608.3	704790
MB 480-704790/1-A	Method Blank	Total/NA	Water	608.3	704790
LCS 480-704790/2-A	Lab Control Sample	Total/NA	Water	608.3	704790
LCSD 480-704790/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	704790

Metals

Prep Batch: 704827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218072-1	System Effluent Composite	Total/NA	Water	200.7	
MB 480-704827/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-704827/2-A	Lab Control Sample	Total/NA	Water	200.7	

Prep Batch: 704869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218072-1	System Effluent Composite	Total/NA	Water	245.1	
MB 480-704869/1-A	Method Blank	Total/NA	Water	245.1	
LCS 480-704869/2-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 704963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218072-1	System Effluent Composite	Total/NA	Water	245.1	704869
MB 480-704869/1-A	Method Blank	Total/NA	Water	245.1	704869
LCS 480-704869/2-A	Lab Control Sample	Total/NA	Water	245.1	704869

Analysis Batch: 705363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218072-1	System Effluent Composite	Total/NA	Water	200.7 Rev 4.4	704827
MB 480-704827/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	704827
LCS 480-704827/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	704827

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QC Association Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Metals

Analysis Batch: 705515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218072-1	System Effluent Composite	Total/NA	Water	200.7 Rev 4.4	704827
MB 480-704827/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	704827
LCS 480-704827/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	704827

General Chemistry

Analysis Batch: 704759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218072-1	System Effluent Composite	Total/NA	Water	7196A	
MB 480-704759/3	Method Blank	Total/NA	Water	7196A	
LCS 480-704759/4	Lab Control Sample	Total/NA	Water	7196A	
480-218072-1 MS	System Effluent Composite	Total/NA	Water	7196A	
480-218072-1 DU	System Effluent Composite	Total/NA	Water	7196A	

Analysis Batch: 706168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218072-1	System Effluent Composite	Total/NA	Water	420.4	
MB 480-706168/18	Method Blank	Total/NA	Water	420.4	
MB 480-706168/46	Method Blank	Total/NA	Water	420.4	
LCS 480-706168/19	Lab Control Sample	Total/NA	Water	420.4	
LCS 480-706168/47	Lab Control Sample	Total/NA	Water	420.4	

Lab Chronicle

Client Sample ID: System Effluent Composite

Lab Sample ID: 480-218072-1

Date Collected: 03/20/24 12:00

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	625			704796	LSC	EET BUF	03/22/24 13:53
Total/NA	Analysis	625.1		1	704933	JMM	EET BUF	03/25/24 16:32
Total/NA	Prep	3510C			704790	LSC	EET BUF	03/22/24 13:46
Total/NA	Analysis	608.3		1	704867	JLS	EET BUF	03/25/24 12:38
Total/NA	Prep	200.7			704827	ESB	EET BUF	03/25/24 08:55
Total/NA	Analysis	200.7 Rev 4.4		1	705363	NZG	EET BUF	03/27/24 20:32
Total/NA	Prep	200.7			704827	ESB	EET BUF	03/25/24 08:55
Total/NA	Analysis	200.7 Rev 4.4		1	705515	BMB	EET BUF	03/28/24 16:44
Total/NA	Prep	245.1			704869	ESB	EET BUF	03/25/24 09:36
Total/NA	Analysis	245.1		1	704963	ESB	EET BUF	03/25/24 13:58
Total/NA	Analysis	420.4		1	706168	DLG	EET BUF	04/03/24 14:27
Total/NA	Analysis	7196A		1	704759	KM	EET BUF	03/22/24 10:55

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24 *
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
608.3	3510C	Water	BHC, Total

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218072-1

Method	Method Description	Protocol	Laboratory
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET BUF
608.3	Organochlorine Pesticides in Water	EPA	EET BUF
200.7 Rev 4.4	Metals (ICP)	EPA	EET BUF
245.1	Mercury (CVAA)	EPA	EET BUF
420.4	Phenolics, Total Recoverable	EPA	EET BUF
7196A	Chromium, Hexavalent	SW846	EET BUF
200.7	Preparation, Total Metals	EPA	EET BUF
245.1	Preparation, Mercury	EPA	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
625	Liquid-Liquid Extraction	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site:

Job ID: 480-218072-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-218072-1	System Effluent Composite	Water	03/20/24 12:00	03/22/24 09:30

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Chain of Custody Record

Client Information		Lab PM: Beninati, John	
Client Contact: Tim Beaumont		E-Mail: John.Beninati@eurofins.com	
Company: Groundwater & Environmental Services Inc		PWSID:	
Address: 6780 Northern Boulevard Suite 100		Due Date Requested:	
City: East Syracuse		TAT Requested (days): 24 HR	
State, Zip: NY, 13057		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Phone:		PO #: 0603400-120780-221-1106	
Email: tbeaumont@gesonline.com		WO #:	
Project Name: Gloversville Semi-Annual Composite Event Desc: Gloversville Site 48027231		Project #:	
Site: Gloversville Semi-Annual System Composite		SSOW #:	
Sample Identification		Sample Date	
System Effluent Composite		3/20/24 12:00	
Sample Type		Sample Time	
(C=Comp, G=grab)		C Water	
Matrix		Preservation Code:	
(W=water, S=solid, O=waste/oil, BT=tissue, A=air)		C Water	
Field Filtered Sample (Yes or No)		Field Filtered Sample (Yes or No)	
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Perform MS/MSD (Yes or No)		Perform MS/MSD (Yes or No)	
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
420.4 NP - Phenolics, Total Recoverable		420.4 NP - Phenolics, Total Recoverable	
200.7, 245.1		200.7, 245.1	
608.3 Pest. PREC - Pesticides - Aldrin + BHC		608.3 Pest. PREC - Pesticides - Aldrin + BHC	
625.1 PREC - 625.1 Chlorinated Phenols + Naphthalene		625.1 PREC - 625.1 Chlorinated Phenols + Naphthalene	
7196A - Chromium, hexavalent		7196A - Chromium, hexavalent	
Analysis Requested		Analysis Requested	
Preservation Codes:		Preservation Codes:	
A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	
Special Instructions/Note:		Special Instructions/Note:	
480-218072 Chain of Custody		480-218072 Chain of Custody	
Possible Hazard Identification		Possible Hazard Identification	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological	
Deliverable Requested: I, II, III, IV, Other (specify)		Deliverable Requested: I, II, III, IV, Other (specify)	
CAT B DELIVERY		CAT B DELIVERY	
Empty Kit Relinquished by:		Empty Kit Relinquished by:	
Relinquished by: [Signature]		Relinquished by: [Signature]	
Date/Time: 3/20/24 14:40		Date/Time: 3/20/24 14:40	
Company: Rengli		Company: Rengli	
Relinquished by:		Relinquished by:	
Relinquished by: [Signature]		Relinquished by: [Signature]	
Date/Time: 3/20/24 19:00		Date/Time: 3/20/24 19:00	
Company: Rengli		Company: Rengli	
Custody Seals Intact:		Custody Seals Intact:	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Custody Seal No.:		Custody Seal No.:	
219# 131E		219# 131E	
Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:	
21.9# 131E		21.9# 131E	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-218072-1

Login Number: 218072

List Number: 1

Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	G&E
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services Inc
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 4/3/2024 11:02:30 AM

JOB DESCRIPTION

Gloversville Semi-Annual Grab

JOB NUMBER

480-218071-1

Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218071-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project:

Job ID: 480-218071-1

Job ID: 480-218071-1

Eurofins Buffalo

Job Narrative 480-218071-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 3/22/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 420.4_NP: The continuing calibration blank (CCB) for analytical batch 480-705218 contained Phenolics, Total Recoverable above the reporting limit (RL). All reported samples associated with this CCB were ND for this analyte; therefore, re-analysis of samples was not performed. System Effluent Grab (480-218071-1), (480-218067-I-8), (480-218067-I-8 DU), (480-218067-H-9) and (480-218067-H-9 MS)

Method SM4500_H+: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: System Effluent Grab (480-218071-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Buffalo

Detection Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218071-1

Client Sample ID: System Effluent Grab

Lab Sample ID: 480-218071-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenolics, Total Recoverable	0.0069	J ^2	0.010	0.0035	mg/L	1		420.4	Total/NA
pH	7.60	HF	0.10	0.10	SU	1		SM 4500 H+ B	Total/NA
Temperature	19.79	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-218071-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	3.5	J	5.0	0.54	ug/L	1		624.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: Groundwater & Environmental Services Inc

Job ID: 480-218071-1

Client Sample ID: System Effluent Grab

Lab Sample ID: 480-218071-1

Date Collected: 03/20/24 12:15

Matrix: Water

Date Received: 03/22/24 09:30

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/22/24 13:48	1
Benzene	ND		5.0	0.60	ug/L			03/22/24 13:48	1
Chloroform	ND		5.0	0.54	ug/L			03/22/24 13:48	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/22/24 13:48	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/22/24 13:48	1
Toluene	ND		5.0	0.45	ug/L			03/22/24 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		68 - 130		03/22/24 13:48	1
4-Bromofluorobenzene (Surr)	96		76 - 123		03/22/24 13:48	1
Dibromofluoromethane (Surr)	101		75 - 123		03/22/24 13:48	1
Toluene-d8 (Surr)	98		77 - 120		03/22/24 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	ND		4.8	1.3	mg/L		03/25/24 07:37	03/25/24 07:58	1
Cyanide, Total (EPA 335.4)	ND		0.010	0.0041	mg/L			04/02/24 10:19	1
Phenolics, Total Recoverable (EPA 420.4)	0.0069	J ^2	0.010	0.0035	mg/L			03/26/24 22:19	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 4500 H+ B)	7.60	HF	0.10	0.10	SU			03/27/24 14:56	1
Temperature (SM 4500 H+ B)	19.79	HF	0.001	0.001	Degrees C			03/27/24 14:56	1

Client Sample ID: Trip Blank

Lab Sample ID: 480-218071-2

Date Collected: 03/20/24 12:15

Matrix: Water

Date Received: 03/22/24 09:30

Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/22/24 14:12	1
Benzene	ND		5.0	0.60	ug/L			03/22/24 14:12	1
Chloroform	3.5	J	5.0	0.54	ug/L			03/22/24 14:12	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/22/24 14:12	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/22/24 14:12	1
Toluene	ND		5.0	0.45	ug/L			03/22/24 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		68 - 130		03/22/24 14:12	1
4-Bromofluorobenzene (Surr)	97		76 - 123		03/22/24 14:12	1
Dibromofluoromethane (Surr)	98		75 - 123		03/22/24 14:12	1
Toluene-d8 (Surr)	99		77 - 120		03/22/24 14:12	1

Eurofins Buffalo

Surrogate Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218071-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(68-130)	(76-123)	(75-123)	(77-120)
480-218071-1	System Effluent Grab	98	96	101	98
480-218071-2	Trip Blank	97	97	98	99
LCS 480-704752/6	Lab Control Sample	90	98	98	98
MB 480-704752/8	Method Blank	95	98	98	99
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

QC Sample Results

Client: Groundwater & Environmental Services Inc

Job ID: 480-218071-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-704752/8
Matrix: Water
Analysis Batch: 704752

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/22/24 13:23	1
Benzene	ND		5.0	0.60	ug/L			03/22/24 13:23	1
Chloroform	ND		5.0	0.54	ug/L			03/22/24 13:23	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/22/24 13:23	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/22/24 13:23	1
Toluene	ND		5.0	0.45	ug/L			03/22/24 13:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		68 - 130		03/22/24 13:23	1
4-Bromofluorobenzene (Surr)	98		76 - 123		03/22/24 13:23	1
Dibromofluoromethane (Surr)	98		75 - 123		03/22/24 13:23	1
Toluene-d8 (Surr)	99		77 - 120		03/22/24 13:23	1

Lab Sample ID: LCS 480-704752/6
Matrix: Water
Analysis Batch: 704752

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		94	46 - 157
Benzene	20.0	18.9		ug/L		95	37 - 151
Chloroform	20.0	18.1		ug/L		91	51 - 138
Ethylbenzene	20.0	18.6		ug/L		93	37 - 162
Tetrachloroethene	20.0	19.8		ug/L		99	64 - 148
Toluene	20.0	18.5		ug/L		92	47 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		68 - 130
4-Bromofluorobenzene (Surr)	98		76 - 123
Dibromofluoromethane (Surr)	98		75 - 123
Toluene-d8 (Surr)	98		77 - 120

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 480-704868/1-A
Matrix: Water
Analysis Batch: 704870

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		5.0	1.4	mg/L		03/25/24 07:37	03/25/24 07:58	1

Lab Sample ID: LCS 480-704868/2-A
Matrix: Water
Analysis Batch: 704870

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.1	33.70		mg/L		84	78 - 114

Eurofins Buffalo

QC Sample Results

Client: Groundwater & Environmental Services Inc

Job ID: 480-218071-1

Method: 335.4 - Cyanide, Total

Lab Sample ID: MB 480-705935/47
Matrix: Water
Analysis Batch: 705935

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			04/02/24 11:19	1

Lab Sample ID: MB 480-705935/75
Matrix: Water
Analysis Batch: 705935

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0041	mg/L			04/02/24 12:33	1

Lab Sample ID: HLCS 480-705935/22
Matrix: Water
Analysis Batch: 705935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.381		mg/L		95	90 - 110

Lab Sample ID: LCS 480-705935/23
Matrix: Water
Analysis Batch: 705935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.237		mg/L		95	90 - 110

Lab Sample ID: LCS 480-705935/76
Matrix: Water
Analysis Batch: 705935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.256		mg/L		102	90 - 110

Lab Sample ID: 480-218071-1 MS
Matrix: Water
Analysis Batch: 705935

Client Sample ID: System Effluent Grab
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND		0.100	0.0921		mg/L		92	90 - 110

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-705218/131
Matrix: Water
Analysis Batch: 705218

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0035	mg/L			03/26/24 21:02	1

Eurofins Buffalo

QC Sample Results

Client: Groundwater & Environmental Services Inc

Job ID: 480-218071-1

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCS 480-705218/132
Matrix: Water
Analysis Batch: 705218

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenolics, Total Recoverable	0.100	0.101		mg/L		101	90 - 110

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-705296/1
Matrix: Water
Analysis Batch: 705296

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.03		SU		100	99 - 101

QC Association Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218071-1

GC/MS VOA

Analysis Batch: 704752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218071-1	System Effluent Grab	Total/NA	Water	624.1	
480-218071-2	Trip Blank	Total/NA	Water	624.1	
MB 480-704752/8	Method Blank	Total/NA	Water	624.1	
LCS 480-704752/6	Lab Control Sample	Total/NA	Water	624.1	

General Chemistry

Prep Batch: 704868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218071-1	System Effluent Grab	Total/NA	Water	1664B	
MB 480-704868/1-A	Method Blank	Total/NA	Water	1664B	
LCS 480-704868/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 704870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218071-1	System Effluent Grab	Total/NA	Water	1664B	704868
MB 480-704868/1-A	Method Blank	Total/NA	Water	1664B	704868
LCS 480-704868/2-A	Lab Control Sample	Total/NA	Water	1664B	704868

Analysis Batch: 705218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218071-1	System Effluent Grab	Total/NA	Water	420.4	
MB 480-705218/131	Method Blank	Total/NA	Water	420.4	
LCS 480-705218/132	Lab Control Sample	Total/NA	Water	420.4	

Analysis Batch: 705296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218071-1	System Effluent Grab	Total/NA	Water	SM 4500 H+ B	
LCS 480-705296/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 705935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-218071-1	System Effluent Grab	Total/NA	Water	335.4	
MB 480-705935/47	Method Blank	Total/NA	Water	335.4	
MB 480-705935/75	Method Blank	Total/NA	Water	335.4	
HLCS 480-705935/22	Lab Control Sample	Total/NA	Water	335.4	
LCS 480-705935/23	Lab Control Sample	Total/NA	Water	335.4	
LCS 480-705935/76	Lab Control Sample	Total/NA	Water	335.4	
480-218071-1 MS	System Effluent Grab	Total/NA	Water	335.4	

Lab Chronicle

Client Sample ID: System Effluent Grab

Date Collected: 03/20/24 12:15

Date Received: 03/22/24 09:30

Lab Sample ID: 480-218071-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	704752	AXK	EET BUF	03/22/24 13:48
Total/NA	Prep	1664B			704868	KM	EET BUF	03/25/24 07:37
Total/NA	Analysis	1664B		1	704870	KM	EET BUF	03/25/24 07:58
Total/NA	Analysis	335.4		1	705935	GW	EET BUF	04/02/24 10:19
Total/NA	Analysis	420.4		1	705218	GW	EET BUF	03/26/24 22:19
Total/NA	Analysis	SM 4500 H+ B		1	705296	KB	EET BUF	03/27/24 14:56

Client Sample ID: Trip Blank

Date Collected: 03/20/24 12:15

Date Received: 03/22/24 09:30

Lab Sample ID: 480-218071-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	704752	AXK	EET BUF	03/22/24 14:12

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218071-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24 *
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
335.4		Water	Cyanide, Total
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-218071-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF
1664B	HEM and SGT-HEM	1664B	EET BUF
335.4	Cyanide, Total	EPA	EET BUF
420.4	Phenolics, Total Recoverable	EPA	EET BUF
SM 4500 H+ B	pH	SM	EET BUF
1664B	HEM and SGT-HEM (Aqueous)	1664B	EET BUF

Protocol References:

1664B = EPA-821-98-002

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site:

Job ID: 480-218071-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-218071-1	System Effluent Grab	Water	03/20/24 12:15	03/22/24 09:30
480-218071-2	Trip Blank	Water	03/20/24 12:15	03/22/24 09:30

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Chain of Custody Record

Client Information

Client Contact:
Tim Beaumont

Company
Groundwater & Environmental Services Inc

Address:
6780 Northern Boulevard Suite 100

City:
East Syracuse

State, Zip:
NY, 13057

Phone:
tbeaumont@gesonline.com

Project Name:
Gloversville Semi-Annual Grab

Site:
Gloversville Semi-Annual System Grab

Sample:

Phone:

Company

Address:

City:

State, Zip:

Phone:

Project Name:

Site:

Lab PM:
Beninati, John

E-Mail:
John.Beninati@et.eurofins.com

Carrier Tracking No(s):
Syracuse

Job #:

COC No:
180-192828-40360.1

Page:
Page 1 of 1

Due Date Requested:
TAT Requested (days):
Compliance Project: ☐ Yes ☒ No
PO #:
WO #:
Project #:
SSOW#:

Analysis Requested #225

Field Filtered Sample (Yes or No)
Perform MS/MSD (Yes or No)
335.4 NP - Cyanide, Total
420.4 NP - Phenolics, Total Recoverable
624.1 PREC - VOA - 624.1 - Site Specific List
1664B - Oil & Grease
SM4500_H+ - pH

Analysis Requested #225

Sample Identification

System Effluent Grab
Trip Blank

Sample Date
3/20/24
3/20/24

Sample Time
12:15
12:15

Sample Type
(C=Comp, G=grab)
G
G

Matrix
(W=water, S=solid, O=wastewater, BT=biological, A=air)
Water
Water

Preservation Code:
G
G

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify)
Empty Kit Relinquished by:
Relinquished by:
Relinquished by:

Sample Disposal / A fee may be assessed if samples are retained longer than 1 month
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Special Instructions/QC Requirements:

Special Instructions/Note:
480-218071 Chain of Custody

Relinquished by:
Relinquished by:
Relinquished by:

Received by:
Received by:
Received by:

Company
Company
Company

Custody Seals Intact:
☐ Yes ☐ No

Custody Seal No.:

Relinquished by:
Relinquished by:
Relinquished by:

Received by:
Received by:
Received by:

Company
Company
Company

Cooler Temperature(s) °C and Other Remarks:
2.9 # 17CE

Ver: 01/16/2019

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4/3/2024

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-218071-1

Login Number: 218071

List Number: 1

Creator: Wallace, Cameron

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



Appendix D – System Operational Data Summary

[illegible]