

July 12, 2013

Mr. Richard Dana  
New York State Department of Environmental Conservation  
Remedial Bureau C, Section C  
625 Broadway  
Albany, NY 12233-7015

RE: National Grid Hill Street Site – Gloversville, NY  
June 2013 Semi-Annual OM&M Report

Dear Mr. Dana:

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

- Groundwater Treatment System History and Description
- Summary of routine and non routine site OM&M activities (January 2013 – June 2013);
- Analytical results for the semi-annual effluent discharge sampling event (March 11, 2013);
- Operational data for the water treatment system (January 2013 – June 2013);
- Summary of planned site OM&M activities (July 2013 – December 2013).

## **Groundwater Treatment System History and Description**

- The Groundwater Treatment System construction was completed in April 2007. ARCADIS conducted start-up and operated the water treatment system from April 2007 through mid-August 2008. CDM OM&M personnel shadowed ARCADIS during a transitional period and took over the OM&M contractor role on August 16, 2008. CDM has been operating the water treatment system continuously from August 16, 2008 to the present.
- Groundwater and storm water is separated on-site. Storm water is collected and discharged via gravity directly to the storm water ditch and settling pond. Groundwater is collected by the groundwater collection pipe network and flows under hydraulic head to two collection sumps (NMH-1 and NMH-6). Groundwater contaminated with MGP-related constituents is pumped from NMH-1 and NMH-6 into the Groundwater Treatment System.
- Since assuming the OM&M contractor role at the site, National Grid has made significant modifications to the system to improve efficiencies and meet compliance requirements. The major modifications were conducted from January 2009 to November 2009 and included the following major elements: 1) replaced the Oil/Water Separator (OWS); 2)

replaced the bag filter unit; 3) added a backwash storage tank; 4) 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. Also, 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 didn't settle out prior to returning to the system.
- To combat DNAPL upsets and protect the system's primary media, a new bypass OrganoClay pressure vessel was installed in January 2012 between the OWS and bag filter unit.
- The Groundwater Treatment System consists of the following components:
  - Sequestering agent and metering pump [part of 2009 modifications]. Biocide and metering pump [part of 2009 modifications]. Chemicals are added at NMH-1, NMH-6, and the OWS to reduce bio and iron fouling within the system.
  - A 2,200-gallon conical-bottomed influent settling tank (equalization (EQ) tank) (T-300). The EQ Tank provides buffering capacity for variable flows and time to allow solids to settle.
  - An oil/water separator (OWS) (T-400) [part of 2009 modifications]. Plastic media with significant surface area is utilized to separate Light Non Aqueous Phase Liquids (LNAPL) and Dense Non Aqueous Phase Liquids (DNAPL) from the gravity water stream.
  - 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. They 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 Xylene (BTEX) from the water stream.
  - Two 34-cubic-foot anion resin vessels (AR-801 and AR-802). Granular resin media contained within the pressure vessels is used to adsorb Cyanide from the water stream.

- A 1,850-gallon effluent tank (T-900). The treated water storage effluent tank is used for backwashing the GAC and Organoclay vessels. Remaining water from the effluent tank is pumped to the 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 3600-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 in 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.

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

### **Summary of Routine and Non-Routine OM&M Activities (January 2013 – June 2013)**

CDM Smith conducted the following routine OM&M Activities at the site:

- ✓ Weekly groundwater treatment system inspections and monthly site inspections [weekly and monthly inspection sheets are presented in **Attachment B**];
- ✓ Weekly backwashing of the 6 media vessels;
- ✓ Weekly bag filter change-outs;
- ✓ Weekly documentation of system flows, pressures, media utilization;
- ✓ Coordinate with National Grid facility personnel regarding regular chemical/material deliveries;
- ✓ Snow removal around the treatment building and NMH-6 during inclement weather;
- ✓ Weed trimming within the storm water riprap channel, as needed.

CDM Smith conducted the following non-routine OM&M Activities at the site:

- On January 21, 2013, CDM Smith arrived on-site for routine inspection and discovered the water treatment had been shut down due to a power outage (which occurred on January 17, 2013). According to NG Facility personnel, a vehicle had struck the power/phone pole in front of the facility along Hill St. Both the power and the phone communication lines to the water treatment building were cut-off. This prevented the

conveyance of an alarm to CDM Smith. At the site locally, an emergency shutdown alarm was showing on the control panel, but the site computer was off. The system would not initially reset, but CDM Smith was able to troubleshoot the PLC and SCADA to restore the system to good operating status. CDM Smith discussed the power outage further with NG Facility personnel. Apparently, the power/phone lines were out for greater than 8 hours on January 17<sup>th</sup>, longer than the system battery backups (4-6 hours) which keep the system PLC/SCADA operating. There was no damage or overflow conditions at the manholes. CDM Smith operated the system closely to restore normal water levels in the manholes. CDM Smith notified Steve Stucker, Steve Plansker, and Phil Richards.

- Site visit with Steve Stucker on January 30, 2013.
- Clean harbors provided the T&D of 3 drums of PPE/bag filters on January 30, 2013.
- On February 11, 2013, CDM Smith received a call from PJ Hoffis (NG Facilities). He indicated that there was storm water flowing out of the ground across from the side entrance to the main shop building. CDM Smith notified Steve Stucker and Brian Stearns of the issue. CDM Smith met PJ Hoffis at the site to evaluate the issue. CDM Smith observed the NG contractor who had been hired by NG to investigate. A 4" diameter cast iron pipe (below ground) was discovered to be leaking and causing the issue. The pipe was repaired.
- On February 13, 2013, VSG Enviromation and CDM Smith installed a new level transmitter for the Redux 340 drum. Also, a new pH/temperature probe was installed within the EQ tank. These changes will improve efficiency of the chemical treatment and save costs for NG.
- On February 19, 2013, Mike Gray of Mike's Electric installed a new conduit and wire for the future installation of the drum level transmitter.
- CDM Smith worked with Steve Plansker and Phil Richards (NG Facilities) to develop an emergency notification procedure in case of power and phone signal loss at the water treatment facility.
- CDM Smith coordinated with Siemens and Clean Harbors for the upcoming media change-out event.
- On March 26, 2013, VSG Enviromation and CDM Smith installed a level transmitter for the Redux 340 drum. Previously, the drum levels were conducted manually.
- Siemens completed the annual media change-out (virgin carbon, virgin OrganoClay, and virgin anion resin) on March 4-5, 2013. Siemens also provided the transportation and regeneration of 4000lbs of spent carbon.
- Clean Harbors provided the T&D of 11 drums of spent anion resin, 9 drums of spent OrganoClay and 1 drum of spent PPE/bag filters on March 5, 2013.
- Site visit with Steve Stucker on March 5, 2013.
- Sent a leaking chemical pump in for repair on March 6, 2013. The pump was repaired and put back in service on March 10, 2013.
- Completed the annual site inspection with Mark Levendusky (Director of the GJJWTF) on April 4, 2013.
- Site visit with Brad Horn (Redux) on April 9, 2013 to re-evaluate chemical dosages at the water treatment facility.
- Cleaned NMH-6, Tank 300, Tank 1000, the building sump, and the Oil Water Separator (OWS) on May 21, 2013 with Clean Harbors. Also replaced the OWS plastic media.

- Clean Harbors provided the T&D of 2 drums (PPE/bag filters) and two 1 cubic yard boxes (spent OWS media) on May 30, 2013.

#### **Analytical results for the semi-annual effluent discharge sampling event (March 2013)**

On March 10-11, 2013, CDM Smith conducted the semi-annual effluent water discharge monitoring event. The effluent water was submitted to Test America for analysis. Test America submitted the analytical report on March 26, 2013. The analytical results indicated no exceedances above the Gloversville-Johnstown Wastewater Treatment Facility Discharge Permit #133 limits. The analytical results are presented in **Attachment C**.

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

#### **Operational data for the water treatment system (January 1, 2013 – June 30, 2013)**

For the period January 1, 2013 through June 30, 2013, the water treatment system has treated and discharged approximately 7,449,000 gallons of water to the POTW sewer at an average flow of 27 gpm. Note that the system operates in continuous batch mode. Water is pumped from component to component within the system at a maximum instantaneous flow rate of 85 gpm. An operational data summary table for this period is presented in **Attachment D**.

To date, approximately 91 Million gallons have been successfully treated and discharged without a permit exceedance.

#### **Summary of planned OM&M activities (July 1, 2013 – December 31, 2013)**

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

- Conduct monthly site-wide inspections as well as 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 on-site day per week will be required (i.e., bag filter change-outs; vessel/pump pressure checks). The system is monitored remotely on a continuous basis. If an unforeseen condition arises (i.e., NAPL upset condition), CDM Smith will respond immediately and remedy the situation. During NAPL upset conditions, on-site effort will likely expand to 2-3 days per week.
- Conduct semi-annual cleaning of the manholes, tanks, building sump, and OWS.
- Conduct semi-annual operational sampling/analysis to evaluate treatment effectiveness. Conduct media change-outs (Organoclay, GAC, and Resin), if needed.
- Conduct the semi-annual treated water discharge sampling event in September 2013.
- Prepare a semi-annual OM&M report for July 1, 2013 through December 31, 2013 and submit to NYSDEC and GJJWTF.

Mr. Richard Dana

July 12, 2013

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

Sincerely,

 for SPS

Steven P. Stucker, C.P.G.

Lead Environmental Engineer

cc: Mark Levendusky - GJJWTF  
Matt Millias – CDM Smith

# **ATTACHMENT A**

**Figure 1 - Site Location Map**

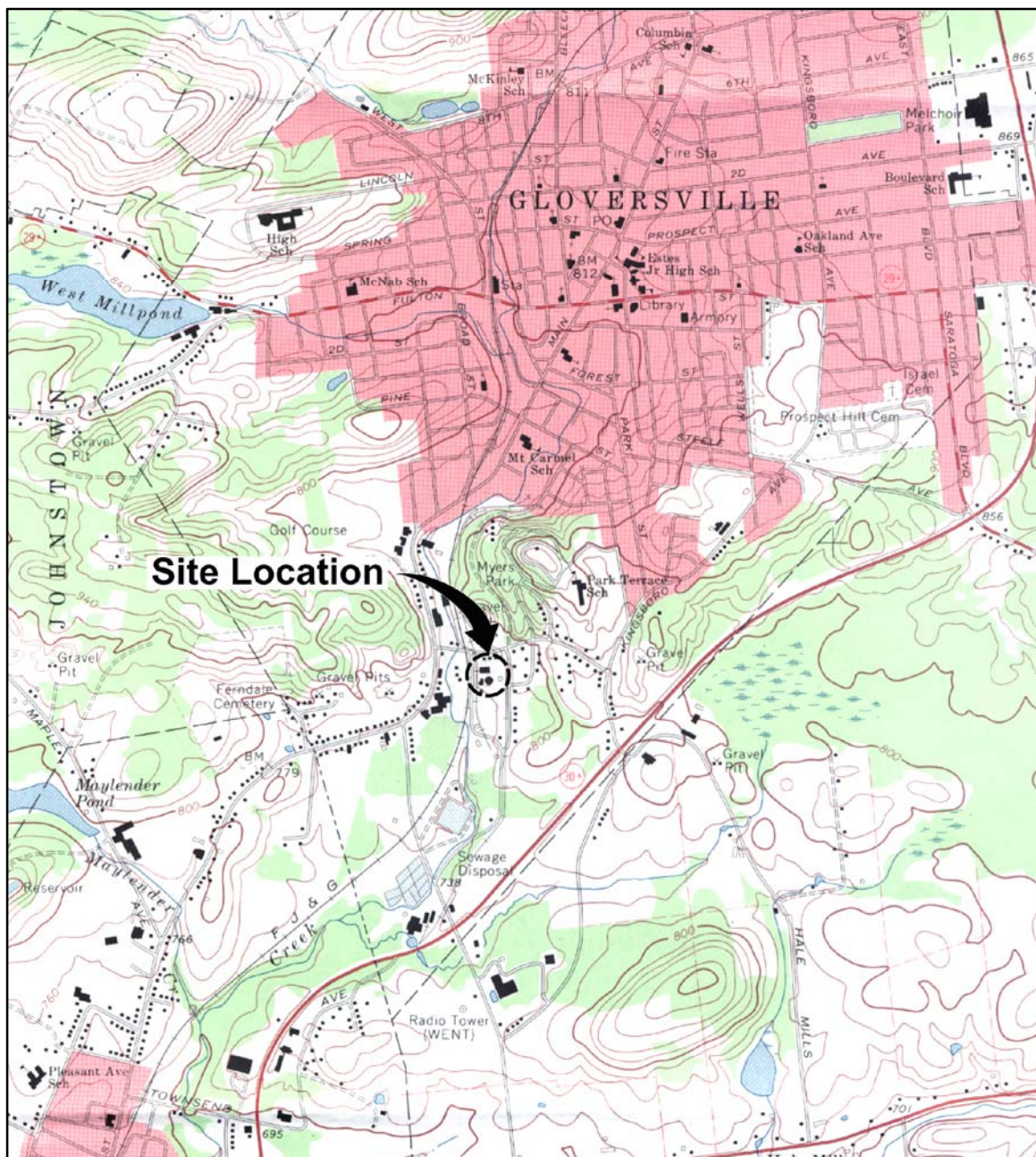
**Figure 2 - Site Plan**

**Figure 3 – Water Treatment System Layout**

**Figure 4 – Water Treatment System P&ID**

**Figure 5 – Groundwater Treatment System  
Abbreviations, Legend, Interlocks,  
and Specifications**





VACINITY MAP



# **SITE LOCATION PLAN** NTS

**NATIONAL GRID GLOVERSVILLE  
(HILL STREET) FORMER MGP  
GLOVERSVILLE, NEW YORK**

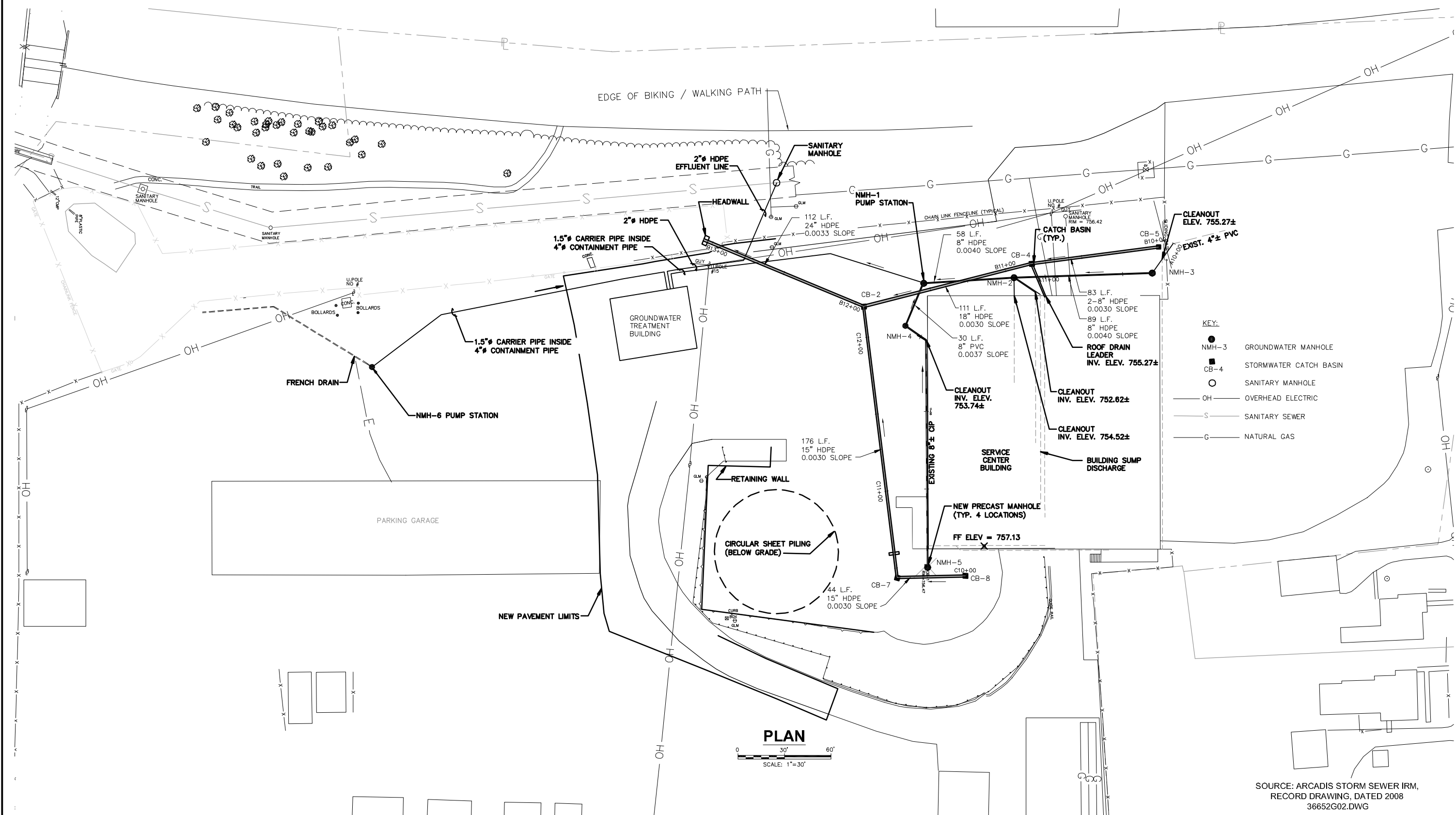
**CDM  
Smith**

Camp Dresser & McKee

**FIGURE 1  
SITE LOCATION MAP**

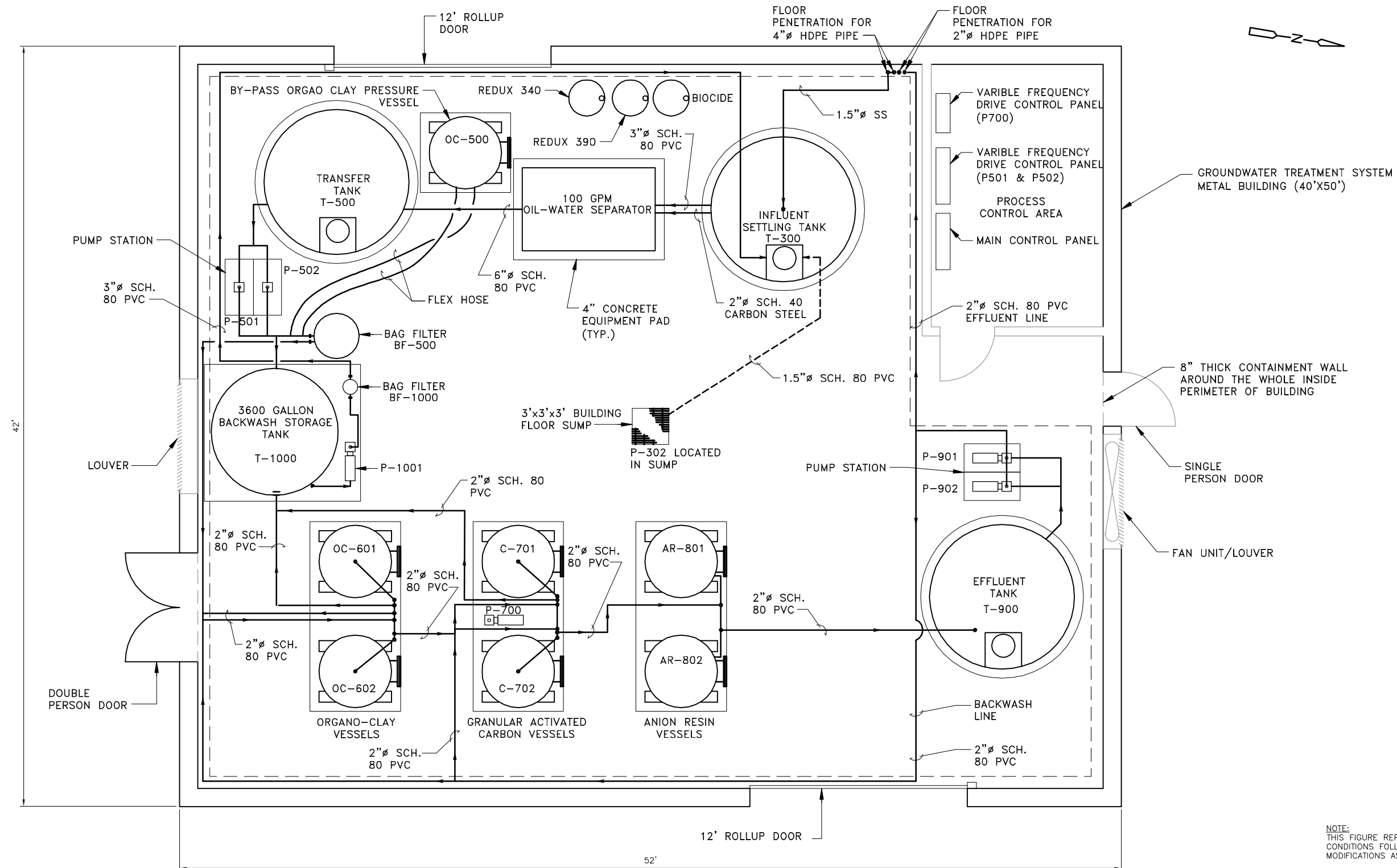


\\syrsv01\Projects\NG\_NYS\_O&M\Gloversville\Drawings\Facility\_2011\FIGURE 2\_07/16/12\_13:27 koskar



SOURCE: ARCADIS STORM SEWER IRM,  
RECORD DRAWING, DATED 2008  
36652G02.DWG

\\\\syrsvr01\\Projects\\NG\_NYS\_O&M\\Gloversville\\Drawings\\Facility 2011\\ FIGURE 3 07/16/12 12:09 koskior\_XREFS: 36652X00



**PLAN**  
NOT TO SCALE

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















\\\\systr01\\Projects\\NG\_NYS\_O&M\\Gloversville\\Drawings\\Facility 2011\\ FIGURE 5 07/16/12 11:21 koskior

ABBREVIATIONS

AE	pH ANALYZER ELEMENT
AI	pH ANALYZER INDICATOR
AIT	pH ANALYZER INDICATING TRANSMITTER
AR	ANION EXCHANGE RESIN VESSELS
BF	BAG FILTER
C	GRANULAR ACTIVATED CARBON VESSELS
DWG	DRAWING
FI	FLOW INDICATOR
FIT	FLOW INDICATING TRANSMITTER
FL	FLANGE
FM	FLOW METER
FQI	TOTALIZED FLOW INDICATOR
GAC	GRANULAR ACTIVATED CARBON
HDPE	HIGH DENSITY POLYETHYLENE
HOA	HAND-OFF-AUTO
HS	HAND SWITCH
LAHH	LEVEL ALARM HIGH-HIGH
LAL	LEVEL ALARM HIGH
LALL	LEVEL ALARM LOW
LC	LEVEL CONTROLLER
U	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.

MAJOR EQUIPMENT AND INSTRUMENTATION SPECIFICATIONS:

<u>MANHOLE NMH-1 PUMPS (P-101 AND P-102)</u>	
QUANTITY:	2
MANUFACTURER:	HYDROMATIC
MODEL:	HPGHH 750 3/6-2
FLOW RATE:	75 GPM AT 172 FEET OF TOTAL DYNAMIC HEAD (TDH) (EACH)
MOTOR:	7.5 HORSEPOWER (HP), 208 VOLT (V), 3-PHASE (P)
MATERIALS OF CONSTRUCTION:	CAST IRON MOTOR HOUSING WITH SEMI-OPEN 5-VANE BRASS IMPELLER

<u>MANHOLE NMH-6 PUMPS (P-201 AND P-202)</u>	
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

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

<u>INFLUENT SETTLING TANK (T-300)</u>	
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

<u>BUILDING SUMP PUMP (P-302)</u>	
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

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

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

<u>TRANSFER TANK (T-500) AND BACKWASH WATER STORAGE TANK (T-900)</u>	
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

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

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

<u>BYPASS ORGAO CLAY FILTRATION VESSEL (OC-500)</u>	
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

<u>VARIABLE FREQUENCY DRIVE (V-700)</u>	
QUANTITY:	1
MANUFACTURER:	SQUARE D

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

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

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

<u>BAG FILTERS (BF-500)</u>	
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

<u>ORGANOCLAY FILTRATION VESSELS (OC-601 AND OC-602)</u>	
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

<u>GRANULAR ACTIVATED CARBON VESSELS (C-701 AND C-702)</u>	
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

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

<u>RESIN FILTRATION VESSELS (AR-801 AND AR-802)</u>	
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

<u>BACKWASH WATER STORAGE TANK DISCHARGE PUMPS (P-901 AND P-902)</u>	
QUANTITY:	2
MANUFACTURER:	GOULDS
MODEL:	7SH4052B0
FLOW RATE:	70 GPM @ 50 FEET TDH
MOTOR:	2 HP, 208 V, 3P TEFC
MATERIALS OF CONSTRUCTION:	STAINLESS STEEL

<u>MECHANICAL FLOW METER (FM-920)</u>	
QUANTITY:	1
MANUFACTURER:	ISTEC FLOW MEASUREMENT AND CONTROL
TYPE:	MECHANICAL
SIZE:	2"
MODEL:	1750

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

<u>SEQUESTERING AGENT</u>	
TYPE:	REDUX390
MANUFACTURER:	REDUX CHEM.

<u>BIOCID</u>	
TYPE:	BIOBROM C-105L
MANUFACTURER:	CLEARON CORPORATION

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

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

# **ATTACHMENT B**

## **Inspection Forms (January 2013 – June 2013)**

Date: 1/3/2013

Time: 11:30

National Grid  
Gloversville, New York

Technician: JR

Weather: clear 7 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	Installed new head 7/30/2012 (P-304B)	
<b>Number of extra Biocide drums? Redux 620</b>	<b>3</b>			
Redux 340 pump operating and in good condition?	Yes	No	Installed rebuilt unit 9/17/2012	
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>5</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>50</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 1/10/2013

Time: 11:30

National Grid  
Gloversville, New York

Technician: JR

Weather: clear 38.8 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	Installed new head 7/30/2012 (P-304B)	
<b>Number of extra Biocide drums? Redux 620</b>	<b>2</b>			
Redux 340 pump operating and in good condition?	Yes	No	Installed rebuilt unit 9/17/2012	
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>5</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>42</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	



Date: 1/15/2013

Time: 10:30

National Grid  
Gloversville, New York

Technician: TB

Weather: Cloudy 34 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	Installed new head 7/30/2012 (P-304B)	
<b>Number of extra Biocide drums? Redux 620</b>	<b>2</b>			
Redux 340 pump operating and in good condition?	Yes	No	Installed rebuilt unit 9/17/2012	
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>5</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>34</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 1/22/2013

Time: 10:30

National Grid  
Gloversville, New York

Technician: TB

Weather: Cloudy 12 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	Installed new head 7/30/2012 (P-304B)	
<b>Number of extra Biocide drums? Redux 620</b>	<b>2</b>			
Redux 340 pump operating and in good condition?	Yes	No	Installed rebuilt unit 9/17/2012	
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>4</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>116</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 1/22/2013

Time: 8:30

Technician: TB

Weather: Cloudy 11 °

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

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-7 catchbasin in good condition?	Yes	No	
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	debris? None
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	Some erosion
Standing water in drainage ditch?	Yes	No	snow
Exposed or damaged GCL in drainage ditch?	Yes	No	locations?
Vegetative growth in drainage ditch?	Yes	No	snow
Channeling to drainage ditch?	Yes	No	slight areas
Security fence secure to detention pond?	Yes	No	
Odor or sheen in stormwater?	Yes	No	
HDPE liner and anchors in good condition?	Yes	No	
Concrete pavers in good condition?	Yes	No	
Basin outflow pipe flowing	Yes	No	debris?
Signs of detention pond basin overflowing?	Yes	No	

Date: 1/29/2013

Time: 13:30

National Grid  
Gloversville, New York

Technician: TB

Weather: Cloudy 36 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	Installed new head 7/30/2012 (P-304B)	
<b>Number of extra Biocide drums? Redux 620</b>	<b>1</b>			
Redux 340 pump operating and in good condition?	Yes	No	Installed rebuilt unit 9/17/2012	
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>4</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>108</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 2/4/2013

Time: 16:30

National Grid  
Gloversville, New York

Technician: TB

Weather: Cloudy 24 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	Installed new head 7/30/2012 (P-304B)	
<b>Number of extra Biocide drums? Redux 620</b>	<b>1</b>			
Redux 340 pump operating and in good condition?	Yes	No	Installed rebuilt unit 9/17/2012	
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>4</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>100</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	



Date: 2/12/2013

Time: 14:30

National Grid  
Gloversville, New York

Technician: TB

Weather: Cloudy 36 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	Installed new head 7/30/2012 (P-304B)	
<b>Number of extra Biocide drums? Redux 620</b>	<b>1</b>			
Redux 340 pump operating and in good condition?	Yes	No	Installed rebuilt unit 9/17/2012	
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>4</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>92</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 2/18/2013

Time: 14:00

National Grid  
Gloversville, New York

Technician: TB

Weather: Sunny 25 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	Installed new head 7/30/2012 (P-304B)	
<b>Number of extra Biocide drums? Redux 620</b>	<b>0</b>			
Redux 340 pump operating and in good condition?	Yes	No	Installed rebuilt unit 9/17/2012	
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>4</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>84</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	



Date: 2/18/2013

Time: 14:00

Technician: TB

Weather: Sunny 25 °

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

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-7 catchbasin in good condition?	Yes	No	
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	debris? None
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	Some erosion
Standing water in drainage ditch?	Yes	No	snow/ice
Exposed or damaged GCL in drainage ditch?	Yes	No	locations?
Vegetative growth in drainage ditch?	Yes	No	snow/ice
Channeling to drainage ditch?	Yes	No	slight areas
Security fence secure to detention pond?	Yes	No	
Odor or sheen in stormwater?	Yes	No	
HDPE liner and anchors in good condition?	Yes	No	
Concrete pavers in good condition?	Yes	No	
Basin outflow pipe flowing	Yes	No	debris?
Signs of detention pond basin overflowing?	Yes	No	

Date: 2/28/2013

Time: 7:00

National Grid  
Gloversville, New York

Technician: JR

Weather: Snow 34 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	Installed new head 7/30/2012 (P-304B)	
<b>Number of extra Biocide drums? Redux 620</b>	<b>0</b>			
Redux 340 pump operating and in good condition?	Yes	No	Installed rebuilt unit 9/17/2012	
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>4</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>76</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/7/2012
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/6/2012
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 3/7/2013

Time: 11:45

National Grid  
Gloversville, New York

Technician: JR

Weather: Cloudy 40 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	Installed new head 7/30/2012 (P-304B)	
<b>Number of extra Biocide drums? Redux 620</b>	<b>3</b>			
Redux 340 pump operating and in good condition?	Yes	No	Installed rebuilt unit 9/17/2012	
Clean Redux 340 pump?	Yes	No	Installed new head 7/30/2012	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>3</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>68</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 3/13/2013

Time: 9:30

National Grid  
Gloversville, New York

Technician: JR

Weather: Cloudy ° 39

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>3</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>3</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>60</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 3/20/2013

Time: 11:00

National Grid  
Gloversville, New York

Technician: JR

Weather: Clear 32 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>3</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>3</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>52</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	



Date: 3/26/2013

Time: 9:00

National Grid  
Gloversville, New York

Technician: TB

Weather: Cloudy 34 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>2</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>3</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>44</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 3/26/2013

Time: 9:00

Technician: TB

Weather: Cloudy 34 °

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

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-7 catchbasin in good condition?	Yes	No	
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	debris? None
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	Some erosion
Standing water in drainage ditch?	Yes	No	snow/ice
Exposed or damaged GCL in drainage ditch?	Yes	No	locations?
Vegetative growth in drainage ditch?	Yes	No	snow/ice
Channeling to drainage ditch?	Yes	No	slight areas
Security fence secure to detention pond?	Yes	No	
Odor or sheen in stormwater?	Yes	No	
HDPE liner and anchors in good condition?	Yes	No	
Concrete pavers in good condition?	Yes	No	
Basin outflow pipe flowing	Yes	No	debris?
Signs of detention pond basin overflowing?	Yes	No	



Date: 4/03/2013

Time: 11:00

National Grid  
Gloversville, New York

Technician: JR

Weather: Clear 34 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>2</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>2</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>36</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 4/10/2013

Time: 10:30

National Grid  
Gloversville, New York

Technician: JR

Weather: Overcast 54 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>1</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>2</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>28</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 4/17/2013

Time: 10:30

National Grid  
Gloversville, New York

Technician: JR

Weather: Clear 54 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>1</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>2</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>19</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 4/24/2013

Time: 10:00

National Grid  
Gloversville, New York

Technician: JR

Weather: Clear 42 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>1</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>2</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>10</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 4/24/2013

Time: 9:30

Technician: JR

Weather: Sunny 42 °

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

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-7 catchbasin in good condition?	Yes	No	
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	debris? None
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	Some erosion
Standing water in drainage ditch?	Yes	No	
Exposed or damaged GCL in drainage ditch?	Yes	No	locations?
Vegetative growth in drainage ditch?	Yes	No	
Channeling to drainage ditch?	Yes	No	slight areas
Security fence secure to detention pond?	Yes	No	
Odor or sheen in stormwater?	Yes	No	
HDPE liner and anchors in good condition?	Yes	No	
Concrete pavers in good condition?	Yes	No	
Basin outflow pipe flowing	Yes	No	debris?
Signs of detention pond basin overflowing?	Yes	No	



Date: 4/30/2013

Time: 11:45

National Grid  
Gloversville, New York

Technician: JR

Weather: Sunny 65 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>1</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>2</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>1</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 5/08/2013

Time: 10:15

National Grid  
Gloversville, New York

Technician: JR

Weather: Overcast 70 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>0</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>1</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>83</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	



Date: 5/15/2013

Time: 10:15

National Grid  
Gloversville, New York

Technician: JR

Weather: Overcast 56 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at 65°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>0</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>1</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/22/2012	
OWS media in good condition?	Yes	No	New Media 5/22/2012	
Clean OWS media?	Yes	No	New Media 5/22/2012	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>75</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/30/2012 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/30/2012 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 5/15/2013

Time: 9:45

Technician: JR

Weather: Overcast 46 °

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

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-7 catchbasin in good condition?	Yes	No	
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	debris? None
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	Some erosion
Standing water in drainage ditch?	Yes	No	
Exposed or damaged GCL in drainage ditch?	Yes	No	locations?
Vegetative growth in drainage ditch?	Yes	No	
Channeling to drainage ditch?	Yes	No	slight areas
Security fence secure to detention pond?	Yes	No	
Odor or sheen in stormwater?	Yes	No	
HDPE liner and anchors in good condition?	Yes	No	
Concrete pavers in good condition?	Yes	No	
Basin outflow pipe flowing	Yes	No	debris?
Signs of detention pond basin overflowing?	Yes	No	

Date: 5/21/2013

Time: 11:15

National Grid  
Gloversville, New York

Technician: TB

Weather: Sunny 80°

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at n/a°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>3</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>1</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>2</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
OWS media in good condition?	Yes	No	New Media 5/21/2013	
Clean OWS media?	Yes	No	New Media 5/21/2013	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>67</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/21/2013 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 5/30/2013

Time: 11:30

National Grid  
Gloversville, New York

Technician: JR

Weather: Sunny 83°

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at n/a°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>3</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>2</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
OWS media in good condition?	Yes	No	New Media 5/21/2013	
Clean OWS media?	Yes	No	New Media 5/21/2013	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>59</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/21/2013 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 6/05/2013

Time: 10:45

National Grid  
Gloversville, New York

Technician: JR

Weather: Sunny 68°

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at n/a°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>3</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>1</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
OWS media in good condition?	Yes	No	New Media 5/21/2013	
Clean OWS media?	Yes	No	New Media 5/21/2013	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>51</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/21/2013 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	



Date: 6/05/2013

Time: 10:45

Technician: JR

Weather: Sunny 68 °

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

Inspection	Completed		Comments
NMH-2 manway in good condition?	Yes	No	debris? None
NMH-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-3 manway in good condition?	Yes	No	debris? None
NMH-3 LNAPL, DNAPL, Odor or seeps?	Yes	No	
NMH-4 manway in good condition?	Yes	No	debris? None
NMH-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-4?	Yes	No	
NMH-5 manway in good condition?	Yes	No	debris? None
NMH-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Change LNAPL boom in NMH-5?	Yes	No	
CB-2 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-2 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-4 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-4 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-5 catchbasin in good condition?	Yes	No	Grouttech repaired week of June 4, 2012
CB-5 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-7 catchbasin in good condition?	Yes	No	
CB-7 LNAPL, DNAPL, Odor or seeps?	Yes	No	
CB-8 catchbasin in good condition?	Yes	No	debris? None
CB-8 LNAPL, DNAPL, Odor or seeps?	Yes	No	
Security fence secure to drainage ditch?	Yes	No	
Drainage Ditch Headwall in good condition?	Yes	No	Some erosion
Standing water in drainage ditch?	Yes	No	
Exposed or damaged GCL in drainage ditch?	Yes	No	locations?
Vegetative growth in drainage ditch?	Yes	No	
Channeling to drainage ditch?	Yes	No	slight areas
Security fence secure to detention pond?	Yes	No	
Odor or sheen in stormwater?	Yes	No	
HDPE liner and anchors in good condition?	Yes	No	
Concrete pavers in good condition?	Yes	No	
Basin outflow pipe flowing	Yes	No	debris?
Signs of detention pond basin overflowing?	Yes	No	



Date: 6/12/2013

Time: 10:30

National Grid  
Gloversville, New York

Technician: JR

Weather: overcast 67 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at n/a°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>2</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>1</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
OWS media in good condition?	Yes	No	New Media 5/21/2013	
Clean OWS media?	Yes	No	New Media 5/21/2013	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>43</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/21/2013 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 6/19/2013

Time: 10:30

National Grid  
Gloversville, New York

Technician: JR

Weather: Sunny 65 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at n/a°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>2</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>1</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
OWS media in good condition?	Yes	No	New Media 5/21/2013	
Clean OWS media?	Yes	No	New Media 5/21/2013	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>35</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/21/2013 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

Date: 6/26/2013

Time: 10:45

National Grid  
Gloversville, New York

Technician: JR

Weather: Rainy 71 °

**Weekly Groundwater Treatment System OM&M Checklist**

Inspection	Completed		Comments	
Treatment building in good condition?	Yes	No		
Emergency key in lock box?	Yes	No		
Security lights operating and in good condition?	Yes	No		
Lighting operating and in good condition?	Yes	No		
Ventilation operating and in good condition?	Yes	No		
Heating units operating and in good condition?	Yes	No	set heat at n/a°	
Fire Extinguishers in good condition?	Yes	No		
First aid kit and eye wash in good condition?	Yes	No		
Biocide pumps operating and in good condition?	Yes	No		
Clean Biocide pumps?	Yes	No	new head 7/30/12 (P-304B) and 3/11/13 (P-304A).	
<b>Number of extra Biocide drums? Redux 620</b>	<b>9</b>			
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.	
<b>Number of extra Redux 340 drums?</b>	<b>0</b>			
Redux 390 pumps operating and in good condition?	Yes	No		
Clean Redux 390 pumps?	Yes	No	Installed new head 7/17/2012	
<b>Number of extra Redux 390 drums?</b>	<b>6</b>			
Building floor sump pump operational?	Yes	No		
Clean building floor sump?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
Influent Tank 300 in good condition and free of leaks?	Yes	No		
Influent Tank 300 sediment?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
Change LNAPL boom from inside influent tank?	Yes	No		
OWS in good condition and free of leaks?	Yes	No		
OWS hopper sediment?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
OWS media in good condition?	Yes	No	New Media 5/21/2013	
Clean OWS media?	Yes	No	New Media 5/21/2013	
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 6/21/2011 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 1/18/2011	
Pump P-502 operating and in good condition?	Yes	No	New Stack Kit 3/8/2011	
PRV-500 pressure relief valve operating at 75psi?	Yes	No		
Organo Clay OC-500 Extra Vessel for NAPL removal on line?	Yes	No		
Bag filter unit operating and in good condition?	Yes	No		
<b>Number of extra 10 Micron bags?</b>	<b>27</b>		<b>Order more when level reaches 30</b>	
Organo Clay OC-601 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Organo Clay OC-602 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-701 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Carbon C-702 operating and in good condition?	Yes	No	parallel	new media 3/5/2013
Arion Resin AR-801 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
Arion Resin AR-802 operating and in good condition?	Yes	No	parallel	new media 3/4/2013
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		
Treated water is clear and free of odor?	Yes	No		
Pump P-901 operating and in good condition?	Yes	No	New unit 1/18/2011	
Pump P-902 operating and in good condition?	Yes	No	Rebuilt unit 3/8/2011	
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 5/21/2013 Clean Harbors	
Pump P-903 operating and in good condition?	Yes	No		
NMH-1 manway cover in good condition?	Yes	No	Cleaned 6/21/2011 Clean Harbors	
NMH-1 pump panel operating and in good condition?	Yes	No		
NMH-1 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-1?	Yes	No		
Pump P-101 operating?	Yes	No	New unit 1/31/2012	
Pump P-102 operating?	Yes	No	Rebuilt unit 12/6/2011	
NMH-6 manway cover in good condition?	Yes	No	Cleaned 5/21/2013 Clean Harbors	
NMH-6 pump panel operating and in good condition?	Yes	No		
NMH-6 internal piping and electrical in good condition?	Yes	No		
Change LNAPL boom in NMH-6?	Yes	No		
Pump P-201 operating?	Yes	No	New unit 10/17/2011	
Pump P-202 operating?	Yes	No	Rebuilt unit 10/17/2011	

## **Attachment C**

### **Analytical Data – Treated Effluent Water**

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-34152-1

Client Project/Site: CDM Smith

Sampling Event: Gloversville System

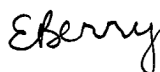
For:

CDM Smith, Inc.

One General Motors Drive

Syracuse, New York 13206

Attn: Matthew Millias



Authorized for release by:

3/26/2013 8:57:36 AM

Eve Berry

Project Administrator

[eve.berry@testamericainc.com](mailto:eve.berry@testamericainc.com)

Designee for

Peggy Gray-Erdmann

Project Manager II

[peggy.gray-erdmann@testamericainc.com](mailto:peggy.gray-erdmann@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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## Definitions/Glossary

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

### Qualifiers

#### General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes

### 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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
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)

## Case Narrative

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

**Job ID: 480-34152-1**

**Laboratory: TestAmerica Buffalo**

### Narrative

#### Job Narrative 480-34152-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 3/12/2013 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

#### GC/MS VOA

No analytical or quality issues were noted.

#### GC/MS Semi VOA

No analytical or quality issues were noted.

#### GC Semi VOA

Method(s) 608: The continuing calibration verification (CCV) for alpha-BHC associated with batch 107106 recovered above the upper control limit. The sample associated with this CCV was non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 608: All primary data is reported from the RTX-CLPII column.

No other analytical or quality issues were noted.

#### Metals

No analytical or quality issues were noted.

#### General Chemistry

Method(s) SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute time frame: System Grab 0313 (480-34152-1)

No other analytical or quality issues were noted.

#### Organic Prep

No analytical or quality issues were noted.

## Detection Summary

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

### Client Sample ID: System Grab 0313

Lab Sample ID: 480-34152-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
pH	7.92	HF	0.100		SU	1		SM 4500 H+ B	Total/NA

### Client Sample ID: Trip Blank

Lab Sample ID: 480-34152-2

No Detections.

### Client Sample ID: System Composite 0313

Lab Sample ID: 480-34152-3

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

**Client Sample ID: System Grab 0313**

**Lab Sample ID: 480-34152-1**

**Date Collected: 03/11/13 11:00**

**Matrix: Water**

**Date Received: 03/12/13 01:00**

## Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/L			03/13/13 01:43	1
Chloroform	ND		5.0		ug/L			03/13/13 01:43	1
Ethylbenzene	ND		5.0		ug/L			03/13/13 01:43	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			03/13/13 01:43	1
Tetrachloroethene	ND		5.0		ug/L			03/13/13 01:43	1
Toluene	ND		5.0		ug/L			03/13/13 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		72 - 130		03/13/13 01:43	1
4-Bromofluorobenzene (Surr)	97		69 - 121		03/13/13 01:43	1
Toluene-d8 (Surr)	94		70 - 123		03/13/13 01:43	1

## Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		4.7		ug/L		03/13/13 07:30	03/14/13 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	75		52 - 151	03/13/13 07:30	03/14/13 14:29	1
2-Fluorobiphenyl	83		44 - 120	03/13/13 07:30	03/14/13 14:29	1
2-Fluorophenol	39		17 - 120	03/13/13 07:30	03/14/13 14:29	1
Nitrobenzene-d5	82		42 - 120	03/13/13 07:30	03/14/13 14:29	1
Phenol-d5	28		10 - 120	03/13/13 07:30	03/14/13 14:29	1
p-Terphenyl-d14	84		22 - 125	03/13/13 07:30	03/14/13 14:29	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		4.9		mg/L		03/22/13 12:29	03/22/13 12:29	1
Phenolics, Total Recoverable	ND		0.010		mg/L		03/16/13 17:14	03/21/13 04:33	1
Cyanide, Total	ND		0.010		mg/L		03/20/13 17:30	03/20/13 21:05	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.92	HF	0.100		SU			03/12/13 16:47	1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 480-34152-2**

**Date Collected: 03/11/13 00:00**

**Matrix: Water**

**Date Received: 03/12/13 01:00**

## Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/L			03/13/13 02:06	1
Chloroform	ND		5.0		ug/L			03/13/13 02:06	1
Ethylbenzene	ND		5.0		ug/L			03/13/13 02:06	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			03/13/13 02:06	1
Tetrachloroethene	ND		5.0		ug/L			03/13/13 02:06	1
Toluene	ND		5.0		ug/L			03/13/13 02:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		72 - 130		03/13/13 02:06	1
4-Bromofluorobenzene (Surr)	95		69 - 121		03/13/13 02:06	1
Toluene-d8 (Surr)	92		70 - 123		03/13/13 02:06	1

TestAmerica Buffalo

# Client Sample Results

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

## Client Sample ID: System Composite 0313

Lab Sample ID: 480-34152-3

Date Collected: 03/11/13 11:00

Matrix: Water

Date Received: 03/12/13 01:00

### Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		4.7		ug/L		03/13/13 07:30	03/14/13 14:52	1
2,4-Dichlorophenol	ND		4.7		ug/L		03/13/13 07:30	03/14/13 14:52	1
2-Chlorophenol	ND		4.7		ug/L		03/13/13 07:30	03/14/13 14:52	1
4-Chloro-3-methylphenol	ND		4.7		ug/L		03/13/13 07:30	03/14/13 14:52	1
Naphthalene	ND		4.7		ug/L		03/13/13 07:30	03/14/13 14:52	1
Pentachlorophenol	ND		4.7		ug/L		03/13/13 07:30	03/14/13 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	76		52 - 151	03/13/13 07:30	03/14/13 14:52	1
2-Fluorobiphenyl	77		44 - 120	03/13/13 07:30	03/14/13 14:52	1
2-Fluorophenol	37		17 - 120	03/13/13 07:30	03/14/13 14:52	1
Nitrobenzene-d5	73		42 - 120	03/13/13 07:30	03/14/13 14:52	1
p-Terphenyl-d14	72		22 - 125	03/13/13 07:30	03/14/13 14:52	1
Phenol-d5	26		10 - 120	03/13/13 07:30	03/14/13 14:52	1

### Method: 608 - Organochlorine Pesticides in Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.047		ug/L		03/12/13 14:31	03/13/13 12:48	1
alpha-BHC	ND		0.047		ug/L		03/12/13 14:31	03/13/13 12:48	1
beta-BHC	ND		0.047		ug/L		03/12/13 14:31	03/13/13 12:48	1
delta-BHC	ND		0.047		ug/L		03/12/13 14:31	03/13/13 12:48	1
gamma-BHC (Lindane)	ND		0.047		ug/L		03/12/13 14:31	03/13/13 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		15 - 125	03/12/13 14:31	03/13/13 12:48	1
Tetrachloro-m-xylene	74		36 - 121	03/12/13 14:31	03/13/13 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020		mg/L		03/13/13 07:20	03/13/13 14:26	1
Arsenic	ND		0.010		mg/L		03/13/13 07:20	03/13/13 14:26	1
Cadmium	ND		0.0010		mg/L		03/13/13 07:20	03/13/13 14:26	1
Chromium	ND		0.0040		mg/L		03/13/13 07:20	03/13/13 14:26	1
Copper	ND		0.010		mg/L		03/13/13 07:20	03/13/13 14:26	1
Lead	ND		0.0050		mg/L		03/13/13 07:20	03/13/13 14:26	1
Nickel	ND		0.010		mg/L		03/13/13 07:20	03/13/13 14:26	1
Selenium	ND		0.015		mg/L		03/13/13 07:20	03/13/13 14:26	1
Silver	ND		0.0030		mg/L		03/13/13 07:20	03/13/13 14:26	1
Thallium	ND		0.020		mg/L		03/13/13 07:20	03/13/13 14:26	1
Zinc	ND		0.010		mg/L		03/13/13 07:20	03/13/13 14:26	1

### Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		03/12/13 08:15	03/12/13 11:51	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			03/12/13 08:33	1

TestAmerica Buffalo

# Surrogate Summary

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

## Method: 624 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (72-130)	BFB (69-121)	TOL (70-123)
480-34152-1	System Grab 0313	101	97	94
480-34152-2	Trip Blank	100	95	92
LCS 480-106956/4	Lab Control Sample	100	97	94
MB 480-106956/5	Method Blank	97	95	92
<b>Surrogate Legend</b>				
12DCE = 1,2-Dichloroethane-d4 (Surr)				
BFB = 4-Bromofluorobenzene (Surr)				
TOL = Toluene-d8 (Surr)				

## Method: 625 - 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 (42-120)	PHL (10-120)	TPH (22-125)
480-34152-1	System Grab 0313	75	83	39	82	28	84
480-34152-3	System Composite 0313	76	77	37	73	26	72
LCS 480-107081/2-A	Lab Control Sample	85	80	43	79	35	84
MB 480-107081/1-A	Method Blank	67	79	40	78	31	88
<b>Surrogate Legend</b>							
TBP = 2,4,6-Tribromophenol							
FBP = 2-Fluorobiphenyl							
2FP = 2-Fluorophenol							
NBZ = Nitrobenzene-d5							
PHL = Phenol-d5							
TPH = p-Terphenyl-d14							

## Method: 608 - Organochlorine Pesticides in Water

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB2 (15-125)	TCX2 (36-121)
480-34152-3	System Composite 0313	56	74
LCS 480-106995/2-A	Lab Control Sample	76	88
LCSD 480-106995/3-A	Lab Control Sample Dup	70	88
MB 480-106995/1-A	Method Blank	70	79
<b>Surrogate Legend</b>			
DCB = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			



# QC Sample Results

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

## Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-106956/5

Matrix: Water

Analysis Batch: 106956

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/L			03/12/13 12:46	1
Chloroform	ND		5.0		ug/L			03/12/13 12:46	1
Ethylbenzene	ND		5.0		ug/L			03/12/13 12:46	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			03/12/13 12:46	1
Tetrachloroethene	ND		5.0		ug/L			03/12/13 12:46	1
Toluene	ND		5.0		ug/L			03/12/13 12:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		72 - 130		03/12/13 12:46	1
4-Bromofluorobenzene (Surr)	95		69 - 121		03/12/13 12:46	1
Toluene-d8 (Surr)	92		70 - 123		03/12/13 12:46	1

Lab Sample ID: LCS 480-106956/4

Matrix: Water

Analysis Batch: 106956

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	18.8		ug/L		94	37 - 151
Chloroform	20.0	20.0		ug/L		100	51 - 138
Ethylbenzene	20.0	18.9		ug/L		95	37 - 162
1,1,2,2-Tetrachloroethane	20.0	19.0		ug/L		95	46 - 157
Tetrachloroethene	20.0	18.2		ug/L		91	64 - 148
Toluene	20.0	18.6		ug/L		93	47 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		72 - 130
4-Bromofluorobenzene (Surr)	97		69 - 121
Toluene-d8 (Surr)	94		70 - 123

## Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-107081/1-A

Matrix: Water

Analysis Batch: 107345

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 107081

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		5.0		ug/L		03/13/13 07:30	03/14/13 13:21	1
2,4-Dichlorophenol	ND		5.0		ug/L		03/13/13 07:30	03/14/13 13:21	1
2-Chlorophenol	ND		5.0		ug/L		03/13/13 07:30	03/14/13 13:21	1
4-Chloro-3-methylphenol	ND		5.0		ug/L		03/13/13 07:30	03/14/13 13:21	1
Naphthalene	ND		5.0		ug/L		03/13/13 07:30	03/14/13 13:21	1
Pentachlorophenol	ND		5.0		ug/L		03/13/13 07:30	03/14/13 13:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	67		52 - 151	03/13/13 07:30	03/14/13 13:21	1
2-Fluorobiphenyl	79		44 - 120	03/13/13 07:30	03/14/13 13:21	1
2-Fluorophenol	40		17 - 120	03/13/13 07:30	03/14/13 13:21	1

TestAmerica Buffalo

# QC Sample Results

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

## Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-107081/1-A

Matrix: Water

Analysis Batch: 107345

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 107081

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		42 - 120	03/13/13 07:30	03/14/13 13:21	1
Phenol-d5	31		10 - 120	03/13/13 07:30	03/14/13 13:21	1
p-Terphenyl-d14	88		22 - 125	03/13/13 07:30	03/14/13 13:21	1

Lab Sample ID: LCS 480-107081/2-A

Matrix: Water

Analysis Batch: 107345

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 107081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,6-Trichlorophenol	100	93.9		ug/L		94	37 - 144
2,4-Dichlorophenol	100	82.7		ug/L		83	39 - 135
2-Chlorophenol	100	72.9		ug/L		73	23 - 134
4-Chloro-3-methylphenol	100	91.4		ug/L		91	22 - 147
Naphthalene	100	82.7		ug/L		83	21 - 133
Pentachlorophenol	100	90.3		ug/L		90	14 - 176

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	85		52 - 151
2-Fluorobiphenyl	80		44 - 120
2-Fluorophenol	43		17 - 120
Nitrobenzene-d5	79		42 - 120
Phenol-d5	35		10 - 120
p-Terphenyl-d14	84		22 - 125

## Method: 608 - Organochlorine Pesticides in Water

Lab Sample ID: MB 480-106995/1-A

Matrix: Water

Analysis Batch: 107106

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106995

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050		ug/L		03/12/13 14:31	03/13/13 11:02	1
alpha-BHC	ND		0.050		ug/L		03/12/13 14:31	03/13/13 11:02	1
beta-BHC	ND		0.050		ug/L		03/12/13 14:31	03/13/13 11:02	1
delta-BHC	ND		0.050		ug/L		03/12/13 14:31	03/13/13 11:02	1
gamma-BHC (Lindane)	ND		0.050		ug/L		03/12/13 14:31	03/13/13 11:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	70		15 - 125	03/12/13 14:31	03/13/13 11:02	1
Tetrachloro-m-xylene	79		36 - 121	03/12/13 14:31	03/13/13 11:02	1

Lab Sample ID: LCS 480-106995/2-A

Matrix: Water

Analysis Batch: 107106

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.452		ug/L		90	35 - 120

TestAmerica Buffalo

# QC Sample Results

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

## Method: 608 - Organochlorine Pesticides in Water (Continued)

Lab Sample ID: LCS 480-106995/2-A

Matrix: Water

Analysis Batch: 107106

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
alpha-BHC	0.500	0.582		ug/L		116	39 - 121
beta-BHC	0.500	0.497		ug/L		99	39 - 138
delta-BHC	0.500	0.472		ug/L		94	40 - 121
gamma-BHC (Lindane)	0.500	0.504		ug/L		101	54 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	76		15 - 125
Tetrachloro-m-xylene	88		36 - 121

Lab Sample ID: LCSD 480-106995/3-A

Matrix: Water

Analysis Batch: 107106

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 106995

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.500	0.461		ug/L		92	35 - 120	2	50
alpha-BHC	0.500	0.585		ug/L		117	39 - 121	1	50
beta-BHC	0.500	0.497		ug/L		99	39 - 138	0	50
delta-BHC	0.500	0.464		ug/L		93	40 - 121	2	50
gamma-BHC (Lindane)	0.500	0.506		ug/L		101	54 - 134	0	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	70		15 - 125
Tetrachloro-m-xylene	88		36 - 121

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

Lab Sample ID: MB 480-106998/1-A

Matrix: Water

Analysis Batch: 107308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020		mg/L		03/13/13 07:20	03/13/13 13:37	1
Arsenic	ND		0.010		mg/L		03/13/13 07:20	03/13/13 13:37	1
Cadmium	ND		0.0010		mg/L		03/13/13 07:20	03/13/13 13:37	1
Chromium	ND		0.0040		mg/L		03/13/13 07:20	03/13/13 13:37	1
Copper	ND		0.010		mg/L		03/13/13 07:20	03/13/13 13:37	1
Lead	ND		0.0050		mg/L		03/13/13 07:20	03/13/13 13:37	1
Nickel	ND		0.010		mg/L		03/13/13 07:20	03/13/13 13:37	1
Selenium	ND		0.015		mg/L		03/13/13 07:20	03/13/13 13:37	1
Silver	ND		0.0030		mg/L		03/13/13 07:20	03/13/13 13:37	1
Thallium	ND		0.020		mg/L		03/13/13 07:20	03/13/13 13:37	1
Zinc	ND		0.010		mg/L		03/13/13 07:20	03/13/13 13:37	1

TestAmerica Buffalo

# QC Sample Results

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

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

Lab Sample ID: LCS 480-106998/2-A

Matrix: Water

Analysis Batch: 107308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.200	0.209		mg/L		105	85 - 115
Arsenic	0.200	0.209		mg/L		104	85 - 115
Cadmium	0.200	0.215		mg/L		107	85 - 115
Chromium	0.200	0.206		mg/L		103	85 - 115
Copper	0.200	0.210		mg/L		105	85 - 115
Lead	0.200	0.207		mg/L		104	85 - 115
Nickel	0.200	0.203		mg/L		101	85 - 115
Selenium	0.200	0.217		mg/L		109	85 - 115
Silver	0.0500	0.0516		mg/L		103	85 - 115
Thallium	0.200	0.206		mg/L		103	85 - 115
Zinc	0.200	0.204		mg/L		102	85 - 115

## Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 480-106911/1-A

Matrix: Water

Analysis Batch: 106980

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 106911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		03/12/13 08:15	03/12/13 11:27	1

Lab Sample ID: LCS 480-106911/2-A

Matrix: Water

Analysis Batch: 106980

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 106911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00638		mg/L		96	85 - 115

## Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 480-108844/1-A

Matrix: Water

Analysis Batch: 108846

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	ND		5.0		mg/L		03/22/13 10:00	03/22/13 10:00	1

Lab Sample ID: LCS 480-108844/2-A

Matrix: Water

Analysis Batch: 108846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease	40.0	34.80		mg/L		87	78 - 114

TestAmerica Buffalo

# QC Sample Results

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

## Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-107820/1-A

Matrix: Water

Analysis Batch: 108452

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 107820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010		mg/L		03/16/13 17:14	03/21/13 02:41	1

Lab Sample ID: LCS 480-107820/2-A

Matrix: Water

Analysis Batch: 108452

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 107820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.0951		mg/L		95	90 - 110

## Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-107031/3

Matrix: Water

Analysis Batch: 107031

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010		mg/L			03/12/13 08:27	1

Lab Sample ID: LCS 480-107031/4

Matrix: Water

Analysis Batch: 107031

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.0500	0.0512		mg/L		102	85 - 115

Lab Sample ID: 480-34152-3 MS

Matrix: Water

Analysis Batch: 107031

Client Sample ID: System Composite 0313

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	ND		0.0500	0.0529		mg/L		95	85 - 115

Lab Sample ID: 480-34152-3 DU

Matrix: Water

Analysis Batch: 107031

Client Sample ID: System Composite 0313

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	ND		ND		mg/L		NC	15

## Method: SM 4500 CN E - Cyanide, Total

Lab Sample ID: MB 480-108390/1-A

Matrix: Water

Analysis Batch: 108397

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108390

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010		mg/L		03/20/13 17:30	03/20/13 20:58	1

TestAmerica Buffalo

## QC Sample Results

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

### Method: SM 4500 CN E - Cyanide, Total (Continued)

Lab Sample ID: LCS 480-108390/2-A

Matrix: Water

Analysis Batch: 108397

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108390

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.263		mg/L		105	90 - 110

### Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-107045/1

Matrix: Water

Analysis Batch: 107045

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	6.950		SU		99	99 - 101



## QC Association Summary

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

### GC/MS VOA

#### Analysis Batch: 106956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-1	System Grab 0313	Total/NA	Water	624	
480-34152-2	Trip Blank	Total/NA	Water	624	
LCS 480-106956/4	Lab Control Sample	Total/NA	Water	624	
MB 480-106956/5	Method Blank	Total/NA	Water	624	

### GC/MS Semi VOA

#### Prep Batch: 107081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-1	System Grab 0313	Total/NA	Water	625	
480-34152-3	System Composite 0313	Total/NA	Water	625	
LCS 480-107081/2-A	Lab Control Sample	Total/NA	Water	625	
MB 480-107081/1-A	Method Blank	Total/NA	Water	625	

#### Analysis Batch: 107345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-1	System Grab 0313	Total/NA	Water	625	107081
480-34152-3	System Composite 0313	Total/NA	Water	625	107081
LCS 480-107081/2-A	Lab Control Sample	Total/NA	Water	625	107081
MB 480-107081/1-A	Method Blank	Total/NA	Water	625	107081

### GC Semi VOA

#### Prep Batch: 106995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-3	System Composite 0313	Total/NA	Water	3510C	
LCS 480-106995/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-106995/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 480-106995/1-A	Method Blank	Total/NA	Water	3510C	

#### Analysis Batch: 107106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-3	System Composite 0313	Total/NA	Water	608	106995
LCS 480-106995/2-A	Lab Control Sample	Total/NA	Water	608	106995
LCSD 480-106995/3-A	Lab Control Sample Dup	Total/NA	Water	608	106995
MB 480-106995/1-A	Method Blank	Total/NA	Water	608	106995

### Metals

#### Prep Batch: 106911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-3	System Composite 0313	Total/NA	Water	245.1	
LCS 480-106911/2-A	Lab Control Sample	Total/NA	Water	245.1	
MB 480-106911/1-A	Method Blank	Total/NA	Water	245.1	

#### Analysis Batch: 106980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-3	System Composite 0313	Total/NA	Water	245.1	106911
LCS 480-106911/2-A	Lab Control Sample	Total/NA	Water	245.1	106911
MB 480-106911/1-A	Method Blank	Total/NA	Water	245.1	106911

TestAmerica Buffalo

# QC Association Summary

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

## Metals (Continued)

### Prep Batch: 106998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-3	System Composite 0313	Total/NA	Water	200.7	
LCS 480-106998/2-A	Lab Control Sample	Total/NA	Water	200.7	
MB 480-106998/1-A	Method Blank	Total/NA	Water	200.7	

### Analysis Batch: 107308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-3	System Composite 0313	Total/NA	Water	200.7 Rev 4.4	106998
LCS 480-106998/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	106998
MB 480-106998/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	106998

## General Chemistry

### Analysis Batch: 107031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-3	System Composite 0313	Total/NA	Water	7196A	
480-34152-3 DU	System Composite 0313	Total/NA	Water	7196A	
480-34152-3 MS	System Composite 0313	Total/NA	Water	7196A	
LCS 480-107031/4	Lab Control Sample	Total/NA	Water	7196A	
MB 480-107031/3	Method Blank	Total/NA	Water	7196A	

### Analysis Batch: 107045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-1	System Grab 0313	Total/NA	Water	SM 4500 H+ B	
LCS 480-107045/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

### Prep Batch: 107820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-1	System Grab 0313	Total/NA	Water	Distill/Phenol	
LCS 480-107820/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-107820/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

### Prep Batch: 108390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-1	System Grab 0313	Total/NA	Water	SM 4500 CN C	
LCS 480-108390/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
MB 480-108390/1-A	Method Blank	Total/NA	Water	SM 4500 CN C	

### Analysis Batch: 108397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-1	System Grab 0313	Total/NA	Water	SM 4500 CN E	108390
LCS 480-108390/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	108390
MB 480-108390/1-A	Method Blank	Total/NA	Water	SM 4500 CN E	108390

### Analysis Batch: 108452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-1	System Grab 0313	Total/NA	Water	420.4	107820
LCS 480-107820/2-A	Lab Control Sample	Total/NA	Water	420.4	107820
MB 480-107820/1-A	Method Blank	Total/NA	Water	420.4	107820

TestAmerica Buffalo

## QC Association Summary

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

### General Chemistry (Continued)

#### Prep Batch: 108844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-1	System Grab 0313	Total/NA	Water	1664A	
LCS 480-108844/2-A	Lab Control Sample	Total/NA	Water	1664A	
MB 480-108844/1-A	Method Blank	Total/NA	Water	1664A	

#### Analysis Batch: 108846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34152-1	System Grab 0313	Total/NA	Water	1664A	108844
LCS 480-108844/2-A	Lab Control Sample	Total/NA	Water	1664A	108844
MB 480-108844/1-A	Method Blank	Total/NA	Water	1664A	108844

# Lab Chronicle

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

## Client Sample ID: System Grab 0313

Date Collected: 03/11/13 11:00

Date Received: 03/12/13 01:00

## Lab Sample ID: 480-34152-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	106956	03/13/13 01:43	RJ	TAL BUF
Total/NA	Prep	625			107081	03/13/13 07:30	DE	TAL BUF
Total/NA	Analysis	625		1	107345	03/14/13 14:29	AM	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	107045	03/12/13 16:47	EGN	TAL BUF
Total/NA	Prep	SM 4500 CN C			108390	03/20/13 17:30	NH	TAL BUF
Total/NA	Analysis	SM 4500 CN E		1	108397	03/20/13 21:05	NH	TAL BUF
Total/NA	Prep	Distill/Phenol			107820	03/16/13 17:14	KS	TAL BUF
Total/NA	Analysis	420.4		1	108452	03/21/13 04:33	EGN	TAL BUF
Total/NA	Analysis	1664A		1	108846	03/22/13 12:29	ML	TAL BUF
Total/NA	Prep	1664A			108844	03/22/13 12:29	ML	TAL BUF

## Client Sample ID: Trip Blank

Date Collected: 03/11/13 00:00

Date Received: 03/12/13 01:00

## Lab Sample ID: 480-34152-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	106956	03/13/13 02:06	RJ	TAL BUF

## Client Sample ID: System Composite 0313

Date Collected: 03/11/13 11:00

Date Received: 03/12/13 01:00

## Lab Sample ID: 480-34152-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			107081	03/13/13 07:30	DE	TAL BUF
Total/NA	Analysis	625		1	107345	03/14/13 14:52	AM	TAL BUF
Total/NA	Prep	3510C			106995	03/12/13 14:31	ND	TAL BUF
Total/NA	Analysis	608		1	107106	03/13/13 12:48	LW	TAL BUF
Total/NA	Prep	245.1			106911	03/12/13 08:15	JRK	TAL BUF
Total/NA	Analysis	245.1		1	106980	03/12/13 11:51	JRK	TAL BUF
Total/NA	Prep	200.7			106998	03/13/13 07:20	JM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	107308	03/13/13 14:26	AH	TAL BUF
Total/NA	Analysis	7196A		1	107031	03/12/13 08:33	ML	TAL BUF

### Laboratory References:

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

# Certification Summary

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

## Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

## Method Summary

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
608	Organochlorine Pesticides in Water	40CFR136A	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
245.1	Mercury (CVAA)	EPA	TAL BUF
1664A	HEM and SGT-HEM	1664A	TAL BUF
420.4	Phenolics, Total Recoverable	MCAWW	TAL BUF
7196A	Chromium, Hexavalent	SW846	TAL BUF
SM 4500 CN E	Cyanide, Total	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF

### Protocol References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

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

### Laboratory References:

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



## Sample Summary

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-34152-1	System Grab 0313	Water	03/11/13 11:00	03/12/13 01:00
480-34152-2	Trip Blank	Water	03/11/13 00:00	03/12/13 01:00
480-34152-3	System Composite 0313	Water	03/11/13 11:00	03/12/13 01:00

## Detection Limit Exceptions Summary

Client: CDM Smith, Inc.  
Project/Site: CDM Smith

TestAmerica Job ID: 480-34152-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
625	Water	Pentachlorophenol	ug/L	5.0	10

## Chain of Custody Record

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## Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 480-34152-1

Login Number: 34152

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
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.	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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

# **Attachment D**

## **System Operational Data Summary (January 2013 – June 2013)**

**NG Gloversville (Hill St.) Site**  
**Water Treatment System - Operational Data**  
**January 2013 - June 2013**

		NMH-1				NMH-6			Combined		FIT-500		FIC-500	Computerized Pressure Readings					FIT-900		POTW
		Accumulated Time Calculated	Flow Meter	Average Flow Calculated	Totalizer	Flow Meter	Average Flow Calculated	Totalizer	Total Instantaneous Influent Flow	Total Average Flow Calculated	Flow Rate	Totalizer	Flow Rate	Pre-Bag Filter Unit	Pre-Organic Clay Vessels	Pre-Carbon Vessels	Pre-Anion Resin Vessels	Post-Anion Resin Vessels	Instantaneous Total Effluent Flow Rate	Totalizer	Mechanical Totalizer
		minutes	GPM	GPM	Gallons	GPM	GPM	Gallons	GPM	GPM	GPM	Gallons	GPM	PSI	PSI	PSI	PSI	PSI	GPM	Gallons	Gallons X 1000
2013		Total Minutes 260940	Average 61.67	Average 22.74	Total 5884315	Average 24.14	Average 4.69	Total 1206523	Average 85.34	Average 27.43	Average 70.02	Total 7869278	Average 70.02	Average 30.44	Average 26.09	Average 19.27	Average 10.84	Average 3.84	Average 71.74	7448723	8971
January		44610	63.14	20.61	862236	25.35	4.62	187548	85.68	25.23	70.03	1147074	70.03	32.22	29.67	20.78	12.11	4.00	71.86	1084961	1311
February		40215	63.18	21.22	844504	24.30	4.20	164828	87.48	25.42	70.08	1117277	70.08	31.00	28.75	20.00	12.00	4.00	71.25	1061357	1280
March		45105	59.29	22.13	991750	24.59	4.95	220453	83.88	27.09	70.05	1349235	70.05	31.00	28.40	17.40	10.00	3.70	72.07	1273594	1537
April		42810	59.98	23.18	998113	24.53	4.78	203866	84.51	27.96	69.87	1339890	69.87	29.20	26.40	19.20	10.60	3.70	71.56	1263357	1525
May		43395	63.95	22.50	995417	23.86	3.99	180039	87.81	26.49	70.01	1301007	70.01	29.00	23.13	19.00	10.00	3.88	71.66	1234000	1482
June		44805	60.49	26.81	1192295	22.19	5.57	249789	82.68	32.38	70.06	1614795	70.06	30.22	20.22	19.22	10.33	3.78	72.02	1531454	1836