

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System
 NYSDEC SSP/NOW Corporation Site
 Town of Clinton, New York

This summary inspection checklist is to be completed during each site inspection. Note all items which require repair or maintenance. Use the last page to note any additional comments or usual events.

General:

Service by: PS (PES) Weather/Temperature: 30s / Sunny
 Date: 3-16-20 Arrival Time: 0900 Departure Time: 1400
 Reason for Service Monthly Routine Sample / Maintenance

<u>Inspection Items:</u>	<u>OK:</u>	<u>Comments:</u>
Site Appearance/Condition	<u>Yes</u>	_____
<i>Building Exterior</i>		
Entry Door	<u>Yes</u>	_____
Overhead Door	<u>Yes</u>	_____
Propane Tank	<u>25 % Yes</u>	<u>Need to order refill</u>
<i>Building Interior</i>		
Indication of Spills or Leaks	<u>No</u>	_____
Building Heater	<u>Yes</u>	_____
Phone System	<u>Yes</u>	_____
Exhaust Fan	<u>NA</u>	_____
Fire Extinguisher	<u>Yes</u>	_____
Floor Sump Pump	<u>Yes</u>	_____
<i>Groundwater Treatment System</i>		
Air Stripper (T-101)	<u>Yes</u>	_____
Settling Tank (T-201)	<u>Yes</u>	_____
Main Effluent Pump (P-201)	<u>Yes</u>	<u>Cleaned spare pump while onsite</u>
Stripper Blower (BL-101)	<u>Yes</u>	_____
Indication of Alarm	<u>No</u>	_____

Groundwater Treatment Wells

TW-1 Pump	(P-101)	Yes	ON Standby
TW-1 Transducer	(PE-1)	Yes	
TW-1 Flow Meter	(FE-1)	Yes	
TW-2A Pump	(P-102)	Yes	Running
TW-2A Transducer	(PE-2)	Yes	
TW-2A Flow Meter (FE-2)		Yes	
TW-3 Pump	(P-103)	NA	Broken - Not on per AECOM
TW-3 Transducer	(PE-3)	NA	Broken - Replaced recently and seems to work
TW-3 Flow Meter	(FE-3)	Yes	

Instrumentation/Readings: ON Annual

TW-1

Pumping Rate	(FE-1)	\emptyset GPM \rightarrow When ON runs @ 6 GPM
Water Level Above Transducer	(PE-1)	13.12 feet
Flow Meter Reading	(FE-1)	9361296.5 gallons CP T512250
Pump Pressure		\emptyset psi \rightarrow NA Brake

TW-2A - Running

Pumping Rate	(FE-2)	12 GPM
Water Level Above Transducer	(PE-2)	11.07 feet
Flow Meter Reading	(FE-2)	1504954.2 gallons CP 20095071
Pump Pressure		psi

TW-3 - OFF/PER AECOM (something wrong w/ pump they think); can turn on manual to obtain sample

Pumping Rate	(FE-3)	\emptyset GPM \rightarrow When ON only runs @ 2 GPM
Water Level Above Transducer	(PE-3)	80.27 feet
Flow Meter Reading	(FE-3)	6982759.7 gallons CP 25839048
Pump Pressure		\emptyset psi \rightarrow Brake

Air Stripper

Stripper Blower Pressure		13 inches H ₂ O
Air Temperature in Stripper		46 °F
Pressure/Vacuum on the Stripper		14.5 inches H ₂ O

Effluent Flow

Total System Meter Reading	(FE-4)	19297949 gallons GPM 46.7
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Influent/Effluent Sampling

On a monthly basis, samples of the system influent and effluent must be collected and submitted for the following analyses:

- VOAs by EPA 8260
- Metals (Al, As, Ba, Cr, Cu, Fe, Mn, Hg, Ni, Zn)
- TDS
- TSS
- O&G
- Cyanide

pH measurements must be made in the field:

Influent pH 7.2

Effluent pH 7.8

Notes/Explanations

(Please include any additional information on those items which require attention as indicated above.)

Cleaned spare effluent pump w/ r/dlyme
onsite

Water Levels

Well ID	Water Level
MW-1	_____ ft b.m.p.
MW-2	_____ ft b.m.p.
MW-3	_____ ft b.m.p.
MW-3S	_____ ft b.m.p.
MW-4	_____ ft b.m.p.
MW-4D	_____ ft b.m.p.
MW-5	_____ ft b.m.p.
MW-6S	_____ ft b.m.p.
MW-6D	_____ ft b.m.p.

Well ID	Water Level
MW-7S	_____ ft b.m.p.
MW-7D	_____ ft b.m.p.
OW-1	_____ ft b.m.p.
OW-2	_____ ft b.m.p.
OW-6	_____ ft b.m.p.
IW-1	_____ ft b.m.p.
IW-2	_____ ft b.m.p.

Additional Wells (optional)

MW-8	_____ ft b.m.p.
MW-9	_____ ft b.m.p.
MW-10	_____ ft b.m.p.
MW-11	_____ ft b.m.p.
MW-10	_____ ft b.m.p.

TW-2A	_____ ft b.m.p.
OW-3	_____ ft b.m.p.
OW-4	_____ ft b.m.p.
OW-5	_____ ft b.m.p.