

Payson Long New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation Bureau of Program Management 625 Broadway, 12th Floor Albany, NY 12233-7012

Subject: February 2022 Monthly Report Fort Edward Landfill NYSDEC Site No. 558001 Contract No. D009804-7

Dear Mr. Long:

Arcadis of New York, Inc. (Arcadis) has prepared this letter report to summarize the leachate collection and treatment system operation, maintenance, and monitoring (OM&M) activities completed during the February 2022 reporting period at the above-referenced site.

### LEACHATE COLLECTION AND TREATMENT SYSTEM OPERATION AND MAINTENANCE

### **System Performance**

A total of 615,150 gallons of leachate were collected and treated through the system during February 2022. The monthly average total leachate recovery rate for leachate extraction wells EW-2, EW-3, and leachate collection well EW-4 was approximately 15.3 gallons per minute (gpm).

### **System Operation Summary**

During each site visit, Arcadis personnel completed a NYSDEC Daily Inspection Report (Attachment A) to summarize site conditions and work performed. A Arcadis Weekly O&M Log (Attachment B) was completed to record system readings and document system performance. Arcadis of New York, Inc. 855 Route 146 Suite 210 Clifton Park New York 12065 Tel 518 250 7300 Fax 518 371 2757 www.arcadis.com

Date: April 4, 2022

Contact: Andy Vitolins, P.G.

Phone: 518.250.7300

Email: andy.vitolins@arcadis.com

Our ref: 30055713

The following activities were completed during the February 2022 operating period:

- Iron and solids sludge processing was performed throughout the month. Three 55-gallon drums of Filter Sludge were generated during February 2022.
- On February 22, 2022, ten drums of Filter Press Filter Sludge and two empty damaged drums placed into overpack drums were transported for off-site disposal by Clean Harbors, Inc. The disposal documents are attached to this report (Attachment C).
- Confirmed monitoring well MW-12 cluster elevations. The new elevation measurements are approximately 5.8 feet higher than previous surveyed elevations. Arcadis will update this data within the EQuIS database.
- Conducted slug tests at monitoring wells MW-6, MW-7, MW-12A, and MW-12B. This data will be provided in the Phase 3 Report.
- On February 10, 2022, located and sampled monitoring well EXMW-34. Additional details are provided below in the Non-Routine Sampling section.
- Replaced exterior light as the existing fixture was no longer operational.
- Installed new sodium permanganate dosing pump. Arcadis is currently adjusting pump dosing settings based on influent flow rate.
- Reduced iron scaling within the interior of the Clarifier Catch Tank via pressure washing.
- Collected routine monthly treatment system samples.

Additional details of activities completed in February 2022 are provided in Attachment A.

### SYSTEM SAMPLING

Monthly water samples were collected by Arcadis on February 15, 2022 from the following treatment system locations:

- Influent (i.e., combined flow from extraction wells EW-1, EW-2, EW-3, and EW-4);
- Clarifier Catch Tank discharge;
- Cell 3 Bypass (i.e., treatment Cell 3 discharge into the Cell 2/3 bypass pipe);
- Cell 2 Effluent (i.e., treatment Cell 2 discharge into the effluent collection chamber); and
- Polishing Pond Effluent (PPE).

No samples were collected from extraction wells EW-1, EW-2, EW-3, leachate collection well EW-4, or Cell 1 Chamber (treatment Cell 1 discharge into the effluent collection chamber). Samples from these locations are collected on a quarterly basis and will be sampled again in the first quarter 2022.

The monthly samples were submitted to Pace Analytical for analysis of Target Compound List (TCL) Volatile Organic Compounds (VOCs), polychlorinated biphenyls (PCBs), Target Analyte List (TAL) metals and mercury, total dissolved solids (TDS), and total suspended solids (TSS).

The analytical results are discussed in the sections below and have been summarized in Table 1. The laboratory analytical data will be submitted to NYSDEC's EIMS Administrator in the required EQuIS EDD format.

### **System Analytical Results**

During the February 2022 sampling event, there were no Fort Edward State Pollutant Discharge Elimination System (SPDES) Equivalency Permit Limit exceedances at the Polishing Pond Effluent for VOCs, PCBs, and conventional chemistry. Iron was the only analyte to exceed the Fort Edward SPDES Permit Limits at the Polishing Pond Effluent sampling location. Additional details of the system analytical results are provided below.

### VOCs

As shown in Table 1, VOCs were not detected greater than the compound quantitation limit in any of the February 2022 monthly samples.

### PCBs

PCB 1232 was detected in the Influent, Clarifier Catch Tank, and Cell 3 Bypass samples at 0.46 micrograms per liter ( $\mu$ g/L), 0.37  $\mu$ g/L, and 0.12  $\mu$ g/L, respectively. No other PCBs were detected at concentrations greater than their respective reporting limits during the February 2022 monthly sampling event. There are currently no criteria for PCBs in the Fort Edward SPDES Permit Limits.

### Metals

Iron concentrations ranged from a maximum of 17 milligrams per liter (mg/L) (Influent) to a minimum of 1.05 mg/L (Polishing Pond Effluent). The PPE iron concentration of 1.05 mg/L exceeded the Fort Edward SPDES Equivalency Permit Limit of 0.3 mg/L. There were no other metal concentrations from monthly samples which exceeded the Fort Edward SPDES Equivalency Permit Limits in February 2022. Additional metal concentrations are shown on Table 1.

### **Conventional Chemistry**

As shown on Table 1, TDS concentrations ranged from 350 mg/L (Clarifier Catch Tank) to 482 mg/L (Polishing Pond Effluent), and TSS concentrations ranged from 10 mg/L (Polishing Pond Effluent) to 46 mg/L (Influent). During the February 2022 monthly sampling event, there were no exceedances of the Fort Edward SPDES Permit Limit for conventional chemistry. These data are consistent with the results from previous sampling events. Since September 2016, TDS and TSS have ranged from 210 to 4,900 mg/L and non-detect to 591 mg/L, respectively.

### **NON-ROUTINE SAMPLING**

On February 10, 2022, Arcadis located and sampled monitoring well EXMW-34 which was identified on LaBella/AC Power 9 solar panel drawings. The monitoring well is located approximately 75 feet south of monitoring well MW-5 within the thick brush surrounding the Unnamed Pond. As this monitoring well was difficult to locate and open, Arcadis estimates that this well has not been sampled since it was first installed most likely during the remedial investigation activities. Therefore, Arcadis purged 3.3 gallons from EXMW-34 using a new polyvinyl chloride (PVC) disposable bailer prior to collecting a sample.

Prior to sampling, a multi-parameter probe (e.g., Horiba®) and temperature, conductivity, pH, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP) measurements were recorded on a

groundwater sampling purge log (Appendix D). The groundwater sample was collected in laboratoryprovided containers in decreasing order of volatility for analysis of perfluorinated alkyl substances (PFAS), 1,4-dioxane, TCL VOCs, PCBs, TAL metals and mercury, TDS, and TSS.

### **Non-Routine Sampling Analytical Results**

### VOCs

As shown in Table 2, vinyl chloride (3.2  $\mu$ g/L) and total xylenes (2.4  $\mu$ g/L) were detected in the February 2022 sample from EXMW-34. The vinyl chloride detection was above its NYSDEC Class GA Standard of 2.0  $\mu$ g/L, and the total xylene detection was below its NYSDEC Class GA Standard of 5.0. There were no other VOC concentrations detected in the sample collected from EXMW-34.

### PCBs

PCBs were not detected greater than the compound quantitation limit in the EXMW-34 sample.

### Metals

There were four metals which were detected in the EXMW-34 sample above their respective NYSDEC Class GA Standards. Iron (3.16 mg/L) and manganese (1.23 mg/L) exceeded their guidance criteria of 0.3 mg/L, and magnesium (48.9 mg/L) and sodium (73.9 mg/L) exceeded their guidance criteria of 35 mg/L and 20 mg/L, respectively.

There were no other metal concentrations which exceeded the NYSDEC Class GA Standards. Additional metal concentrations are shown on Table 2.

### **Conventional Chemistry**

The sample from EXMW-34 had TDS and TSS concentrations of 672 mg/L and 66.4 mg/L, respectively. Currently, there are no guidance criteria for these analyses within the NYSDEC Class GA Standards.

### **Emerging Contaminants**

Perfluorooctanoic acid (PFOA) was detected at a concentration of 86 nanograms per liter (ng/L) which exceeds the NYSDEC Class GA Standard and United States Environmental Protection Agency (USEPA) Lifetime Health Advisory Limit of 10 ng/L and 70 ng/L, respectively. The total PFOA and perfluorooctanesulfonic acid (PFOS) concentration of 88.1 ng/L is also above the USEPA Lifetime Health Advisory Limit of 70 ng/L. No other PFAS compounds were detected in the sample collected from EXMW-34 above their respective NYSDEC Class GA Standards or USEPA Lifetime Health Advisory Limits. Additional PFAS concentrations are shown on Table 2.

1,4-dioxane was detected in the EXMW-34 sample at a concentration of 28  $\mu$ g/L. This concentration exceeds the NYSDEC Class GA Standard of 1.0  $\mu$ g/L.

### NEXT REPORTING PERIOD PLANNED ACTIVITIES

The following activities are anticipated for March 2022:

- Continuation of iron and solids treatment and processing; and
- Routine monthly and quarterly sampling.

If you have any questions, please do not hesitate to contact me or Jeremy Wyckoff.

Sincerely,

Arcadis of New York, Inc.

Andy Vitolins, P.G. Vice President

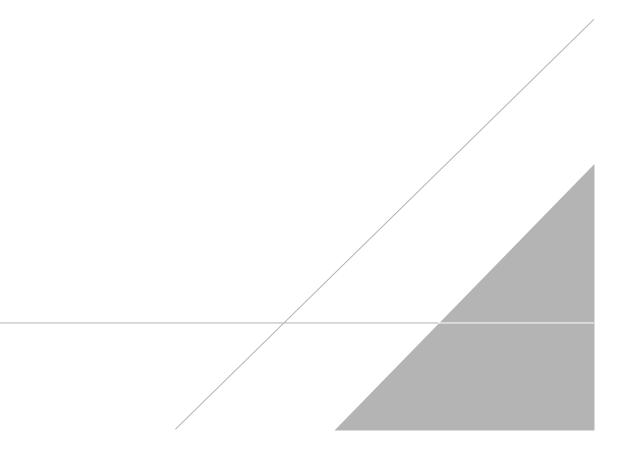
Copies: Jeffrey Dyber, NYSDEC Jeremy Wyckoff, P.G., Arcadis Jasmine Mullins, E.I.T., Arcadis Todd Carignan, Arcadis File

Enclosures:

Attachment A – NYSDEC Daily Inspection Reports
Attachment B – Arcadis Weekly O&M Logs
Attachment C – Waste Disposal Documents
Attachment D – Groundwater Sampling Log
Table 1 – February 2022 Treatment System Analytical Data
Table 2 – EXMW-34 Analytical Data

# **ATTACHMENT A**

NYSDEC Daily Inspection Reports



# DAILY INSPECTION REPORT Report No. 77 Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_\_

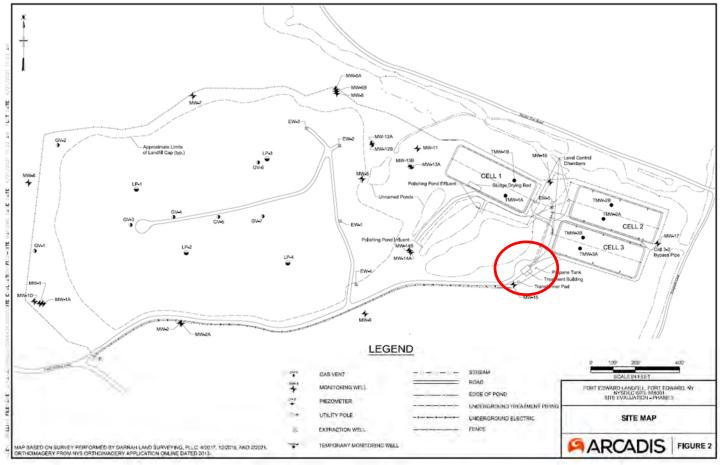
Site Location: Hudso	ental Remediati		- Conservation			Superintender				
			-			NYSDEC PM:	Pays	on Lo	ng	
General Description		Condition			PM	Consultant PM	/I: And	ly Vito	olins, F	P.G.
-	Sunny		Sunny			Consultant Sit	e Insp	pector	s: Col	by
Temperature	19 °F	AM	29 °F			Churchill				
Wind	10MPH SE	AM	10 MPH SE	<u> </u>	PM					
Health & Safety If any box below is	checked "Yes	", provide	explanation un	der "H	ealth &	Safety Com	ment	ts".	_	
Were there any change	s to the Health &	Safety Plar	?			*Yes	No	Х	NA	
Were there any exceed	ances of the peri	meter air mo	onitoring reported	on this d	ate?	*Yes	No		NA	Х
Were there any nuisand	e issues reporte	d/observed	on this date?			*Yes	No	Х	NA	
Health & Safety Con	nments								3	
None at this time.										
Summary of Work P	erformed	Arrived a	t site: 0	900	De	parted Site:		1	700	
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Report No. 77 Fort Edward Landfill - NYSDEC Site No. 558001

Visitors to Site				
Name	R	epresenting	Entered	Exclusion/CRZ Zone
			Yes	No
Site Representatives	·		·	
Name		Representing		
Project Schedule Comments				
None at this time.				
Issues Pending				
None at this time.				
Interaction with Public, Property 0	Owners, Media, e	etc.		
None at this time.				

### Include (insert) figures with markups showing location of work and job progress



Red outlined area indicates the location of work performed on February 1st, 2022.



Site Photographs (Descriptions Below)



## DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes 🖂	No 🗆
Is the tail gate safety meeting held outdoors?	Yes 🖂	No 🗆
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes 🖂	No 🗆
Were personal protective gloves, masks, and eye protection being used?	Yes 🖂	No 🗆
Are sanitizing wipes, wash stations or spray available?	Yes 🖂	No 🗆
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes 🗆	No 🖂
Comments: None at this time.		



Report No. 77 Fort Edward Landfill - NYSDEC Site No. 558001

Page **4** of **4** \_Date: 2/1/2022

## REMEDIAL ACTIVITIES AT PROPERTIES

1.	Have anyone at this location been tested and confirmed to have COVID-19?	Yes 🗆	No 🖂
2.	Is anyone at this location isolated or quarantined for COVID-19?	Yes 🗆	No 🖂
3.	Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes □	No 🖂
4.	Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes □	No 🖂
5.	Does the Department and its contractors have your permission to enter the property at this time?	Yes 🗆	No 🖂
lf Y	′es to <u>any</u> of 1-4 above:		
•	If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry.	Yes □	No 🗆
•	If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.		
Co	mments:		
No	ne at this time.		

# NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes 🗆	No 🖂	N/A□
Were there any odors detected on this date?	Yes 🗆	No 🖂	N/A□
Was noise outside specification and/or above background on this date?	Yes 🗆	No 🖂	N/A□
Were vibration readings outside specification and/or above background on this date?	Yes 🗆	No 🗆	N/A⊠
Any visible dust observed beyond the work perimeter on this date?	Yes 🗆	No 🖂	N/A□
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes 🗆	No 🗆	N/A⊠
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes 🗆	No 🗆	N/A⊠
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes □	No 🖂	N/A□
If yes, has Contractor been notified?	Yes 🗆	No 🗆	N/A⊠
Comments: None at this time.			



# DAILY INSPECTION REPORT Report No. 78 Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_\_

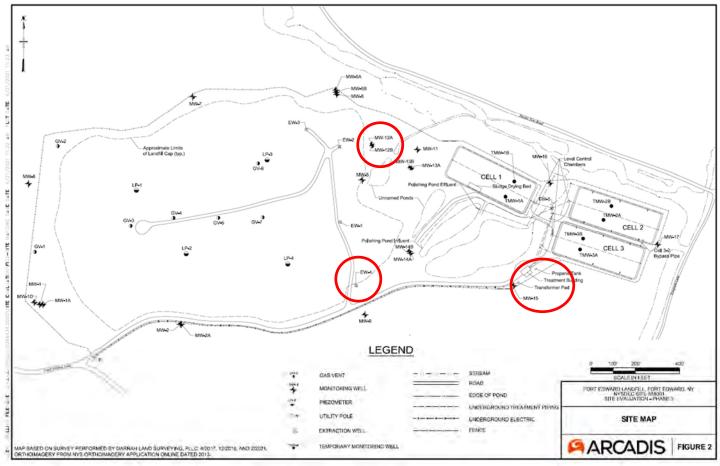
NYSDEC Division of Environme	ental Remediati	on ST	W Departme RK Environm Conservat	ental	$\bigcirc$	NYSDEC C D009804		act N	0.	
Site Location: Hudso	on Falls, New Y	′ork				Superintender				
		Condition	S			NYSDEC PM:			•	_
General Description	Sunny	AM		inny	PM	Consultant PM		-		
Temperature	25 °F	AM		5 °F	PM	Consultant Site Wycoff, Patricl				my
Wind	5 MPH S	AM		PH ESE	PM	wycon, r atrici	кпап	ington		
Health & Safety If any box below is		<u>]</u> ]_			<u> </u>	Safety Com	ment	s".		
Were there any change						*Yes	No	X	NA	
Were there any exceed	ances of the peri	meter air mo	nitoring rep	orted on this	date?	*Yes	No		NA	Х
Were there any nuisand	ce issues reported	d/observed o	on this date?	>		*Yes	No	Х	NA	
Health & Safety Con	nments									
None at this time.										
Summary of Work P	Performed	Arrived at	: site:	0900	De	eparted Site:		17	700	
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Report No. 78 Fort Edward Landfill - NYSDEC Site No. 558001

Visitors to Site				
Name	Re	Representing		Exclusion/CRZ Zone
			Yes	No
Site Representatives			· · · ·	
Name		Representing		
Project Schedule Comments		<u>-</u>		
None at this time.				
Issues Pending				
None at this time.				
Interaction with Public, Property	Owners, Media, e	tc.		
None at this time.				

### Include (insert) figures with markups showing location of work and job progress



Red outlined areas indicate the location of work performed on February 2nd, 2022.



Report No. 78 Fort Edward Landfill - NYSDEC Site No. 558001

Site Photographs (Descriptions Below)		
View of leaking sealant on roof.	Close up of deteriorating	sealant on roof.
Comments		
None at this time.		
Site Inspector(s): Patrick Harrington, Jeremy Wycko	ff	Date: 2/2/2022

# DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes 🖂	No 🗆
Is the tail gate safety meeting held outdoors?	Yes 🖂	No 🗆
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes 🖂	No 🗆
Were personal protective gloves, masks, and eye protection being used?	Yes 🖂	No 🗆
Are sanitizing wipes, wash stations or spray available?	Yes 🖂	No 🗆
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes □	No 🖂
<u>Comments:</u> None at this time.		



Report No. 78 Fort Edward Landfill - NYSDEC Site No. 558001

Page **4** of **4** \_Date: 2/2/2022

## REMEDIAL ACTIVITIES AT PROPERTIES

1. Ha	ve anyone at this location been tested and confirmed to have COVID-19?	Yes 🗆	No 🖂
2. Is a	anyone at this location isolated or quarantined for COVID-19?	Yes 🗆	No 🖂
	s anyone at this location had contact with anyone known to have COVID-19 in the past days?	Yes □	No 🖂
	es anyone at this location have any symptoms of a respiratory infection (e.g., cough, re throat, fever, or shortness of breath)?	Yes □	No 🖂
5. Do tim	es the Department and its contractors have your permission to enter the property at this e?	Yes 🗆	No 🖂
If Yes t	to <u>any</u> of 1-4 above:		
	is <u>not</u> critical that service/entry be carried out immediately and can be postponed until risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or		
	nduct service without entry.	Yes 🗆	No 🗆
	<u>is</u> critical that service/entry be carried out immediately, advise occupants that as a		
	ecaution and for our own protection, project personnel will be donning appropriate PPE* cluding respiratory protection) - and do so prior to entry.		
Comm			
	at this time.		

# NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes 🗆	No 🖂	N/A□
Were there any odors detected on this date?	Yes 🗆	No 🖂	N/A□
Was noise outside specification and/or above background on this date?	Yes 🗆	No 🖂	N/A□
Were vibration readings outside specification and/or above background on this date?	Yes 🗆	No 🗆	N/A⊠
Any visible dust observed beyond the work perimeter on this date?	Yes □	No 🖂	N/A□
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes 🗆	No 🗆	N/A⊠
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes 🗆	No 🗆	N/A⊠
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes □	No 🖂	N/A□
If yes, has Contractor been notified?	Yes 🗆	No 🗆	N/A⊠
Comments: None at this time.			



# DAILY INSPECTION REPORT Report No. 79 Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_\_

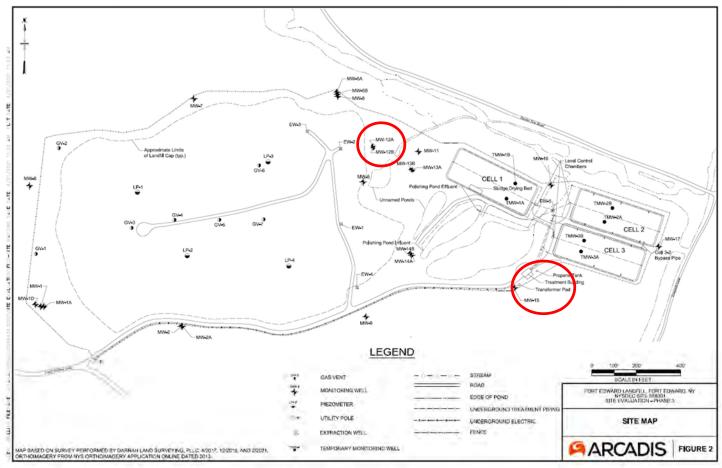
	ntal Remediati	ion St.	W RK RKATE Environmental Conservation	26	フ	D009804			
Site Location: Hudso	n Falls, New V	′ork				Superintende	nt:		
			-			NYSDEC PM	: Pays	son Lo	ng
Conoral Description	Cloudy	Condition		F		Consultant Pl	M: An	dy Vito	lins, P.G.
General Description	•	AM	Cloudy			Consultant Si			
Temperature	30 °F	AM	37 °F			Jasmine Mulli Patrick Harrin		eremy	Wyckoff,
Wind	0 MPH	AM	6 MPH N	F	PM		gion		
Health & Safety If any box below is (	checked "Yes	" nrovide	explanation und	ler "Heal	lth &	Safety Com	men	ts"	
Were there any changes						*Yes	No		NA
Were there any exceeda		•		n this date	?	*Yes	No		NA X
Were there any nuisanc						*Yes	No	Х	NA
Health & Safety Com	· ·						-		1
None at this time.									
Summary of Work P	erformed	Arrived at	t site: 08	300	De	parted Site:	Ī	1	745
Conducted slug tes Investigated along of Located older well E Replaced exterior li Cleared snow from	canal for seeps. EXMW-34, appro ght fixture. doors, level cont	No seeps fo oximately 75 trol chamber	feet south of MW-	5.	Ū				
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well B</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul>	canal for seeps. I EXMW-34, appro ght fixture. doors, level cont nside of the Clar red sludge from nousekeeping an <b>Tracking</b>	No seeps fo oximately 75 trol chamber ifier Catch T the Incline F nd chemical i	feet south of MW- rs, and area surrou ank (CCT). Plate Clarifier (IPC) inspection within th	5. nding well to the Thie e Treatme	MW-´ ckene nt Sys	15. er Tank. stem building.			
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well E</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul> Equipment/Material If any box below is compared to the second secon	canal for seeps. EXMW-34, appro ght fixture. doors, level cont nside of the Clar red sludge from nousekeeping an <b>Tracking</b> hecked "Yes"	No seeps fo oximately 75 trol chamber ifier Catch T the Incline F ad chemical i	feet south of MW- rs, and area surrout ank (CCT). Plate Clarifier (IPC) inspection within th explanation und	5. nding well to the Thie e Treatme er "Mate	MW- <sup></sup> ckene nt Sys <b>rial T</b>	15. er Tank. stem building. <b>Fracking Co</b> t	-		
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well E</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul> Equipment/Material If any box below is of Were there any vehicles	canal for seeps. EXMW-34, appro ght fixture. doors, level cont nside of the Clar red sludge from ousekeeping an <b>Tracking</b> hecked "Yes" which did not di	No seeps fo oximately 75 trol chamber ifier Catch T the Incline F ad chemical i <b>', provide</b> isplay prope	feet south of MW- rs, and area surrout ank (CCT). Plate Clarifier (IPC) inspection within th explanation und	5. nding well to the Thie e Treatme er "Mate	MW- <sup></sup> ckene nt Sys <b>rial T</b>	15. er Tank. stem building. <b>Tracking Co</b> r ≰Yes	No	nts". X	NA NA X
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well B</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul> Equipment/Material If any box below is of Were there any vehicles	canal for seeps. EXMW-34, appro ght fixture. doors, level cont nside of the Clar red sludge from nousekeeping an <b>Tracking</b> hecked "Yes" which did not di which were not	No seeps fo oximately 75 trol chamber ifier Catch T the Incline F ad chemical i <b>', provide</b> isplay prope tarped?	feet south of MW- rs, and area surrou ank (CCT). Plate Clarifier (IPC) inspection within th <b>explanation und</b> r D.O.T numbers a	5. nding well to the Thio e Treatme er "Mate nd placard	MW-1 ckene nt Sys <b>rial T</b> s?	15. er Tank. stem building. <b>Fracking Co</b> t	-		NA NA X
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well B</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul> Equipment/Material If any box below is of Were there any vehicles Were there any vehicles	canal for seeps. EXMW-34, appro ght fixture. doors, level conf nside of the Clar red sludge from nousekeeping an <b>Tracking</b> <b>hecked "Yes</b> " which did not di which were not	No seeps fo oximately 75 trol chamber ifier Catch T the Incline F ad chemical i <b>', provide</b> isplay prope tarped?	feet south of MW- rs, and area surrou ank (CCT). Plate Clarifier (IPC) inspection within th <b>explanation und</b> r D.O.T numbers a	5. nding well to the Thio e Treatme er "Mate nd placard	MW-1 ckene nt Sys <b>rial T</b> s?	15. er Tank. stem building. <b>Tracking Co</b> r *Yes * Yes	No No		NA X
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well B</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul> Equipment/Material If any box below is of Were there any vehicles Were there any vehicles	canal for seeps. EXMW-34, appro ght fixture. doors, level conf nside of the Clar red sludge from nousekeeping an <b>Tracking</b> <b>hecked "Yes</b> " which did not di which were not	No seeps fo oximately 75 trol chamber ifier Catch T the Incline F ad chemical i <b>', provide</b> isplay prope tarped? decontamin	feet south of MW- rs, and area surrou ank (CCT). Plate Clarifier (IPC) inspection within th <b>explanation und</b> r D.O.T numbers a	5. nding well to the Thio e Treatme er "Mate nd placard	MW-1 ckene nt Sys <b>rial T</b> s?	15. er Tank. stem building. <b>Tracking Co</b> r ★Yes ★Yes ★Yes	No No	X	NA X
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well B</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul> Equipment/Material If any box below is of Were there any vehicles Were there any	canal for seeps. EXMW-34, appropries appropriate the construction of the clar red sludge from housekeeping an <b>Tracking</b> which did not did which were not which were not the construction on the construction of the construction	No seeps fo oximately 75 trol chamber ifier Catch T the Incline F ad chemical i ', provide of isplay prope tarped? decontamin	feet south of MW-4 rs, and area surrou Fank (CCT). Plate Clarifier (IPC) inspection within th <b>explanation und</b> r D.O.T numbers an ated prior to exiting ompany urcadis	5. nding well to the Thio e Treatme er "Mate nd placard	MW-1 ckene nt Sys rial T site? Tra Geol	15. er Tank. stem building. <b>Tracking Co</b> r *Yes * Yes * Yes	No No	X Total	NA X NA X Hours .75
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well B</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul> Equipment/Material If any box below is of Were there any vehicles Mere there any vehicles Were there any vehicles	canal for seeps. EXMW-34, appropries appropriate the construction of the clar red sludge from a severe ping an a severe ping an a severe ping an a severe ping an a severe ping a severe	No seeps fo oximately 75 trol chamber ifier Catch T the Incline F ad chemical i ', provide of isplay prope tarped? decontamin Co A	feet south of MW- rs, and area surrou Fank (CCT). Plate Clarifier (IPC) inspection within th <b>explanation und</b> r D.O.T numbers an ated prior to exiting	5. nding well to the Thio e Treatme er "Mate nd placard	MW-1 ckene nt Sys rial T Is? site? Tra	15. er Tank. stem building. racking Con *Yes *Yes *Yes *Yes de ogist neer	No No	X Total 9 9	NA X NA X Hours
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well B</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul> Equipment/Material If any box below is of Were there any vehicles Personnel and Equip Individual Patrick Harringt Jasmine Mullir Jeremy Wycko	canal for seeps. I EXMW-34, appro- ght fixture. doors, level cont nside of the Clar red sludge from nousekeeping an <b>Tracking</b> <b>hecked "Yes"</b> which did not di which were not which were not on is inf	No seeps fo oximately 75 trol chamber ifier Catch T the Incline F ad chemical i ', provide of isplay prope tarped? decontamin Co A	feet south of MW-4 rs, and area surrou rank (CCT). Plate Clarifier (IPC) inspection within th <b>explanation und</b> r D.O.T numbers an ated prior to exiting mpany rcadis rcadis	5. nding well to the Thie e Treatme er "Mate nd placard g the work	MW-1 ckene nt Sys rial T site? Tra Geolo Engli	15. er Tank. stem building. <b>Tracking Co</b> *Yes * Yes * Yes de ogist neer ogist	No No No	X Total 9 9 9	NA X NA X Hours .75 .75 .75
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well B</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul> Equipment/Material If any box below is of Were there any vehicles Mere there any vehicles Were there any vehicles Mere there any	canal for seeps. I EXMW-34, appro- ght fixture. doors, level cont nside of the Clar red sludge from nousekeeping an <b>Tracking</b> <b>hecked "Yes"</b> which did not di which were not which were not on is inf	No seeps fo oximately 75 trol chamber ifier Catch T the Incline F ad chemical i ', provide of isplay prope tarped? decontamin Co A	feet south of MW- rs, and area surrou rank (CCT). Plate Clarifier (IPC) inspection within th explanation und r D.O.T numbers a ated prior to exiting ompany urcadis rcadis	5. nding well to the Thie e Treatme er "Mate nd placard g the work	MW-1 ckene nt Sys rial T site? Tra Geolo Engli	15. er Tank. stem building. racking Con *Yes *Yes *Yes *Yes de ogist neer	No No No	X Total 9 9 9	NA X NA X Hours .75 .75
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well B</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul> Equipment/Material If any box below is of Were there any vehicles Personnel and Equip Individual Patrick Harringt Jasmine Mullir Jeremy Wycko	canal for seeps. I EXMW-34, appro- ght fixture. doors, level cont nside of the Clar red sludge from nousekeeping an <b>Tracking</b> <b>hecked "Yes"</b> which did not di which were not which were not on is inf	No seeps fo oximately 75 trol chamber ifier Catch T the Incline F ad chemical i ', provide of isplay prope tarped? decontamin Co A	feet south of MW-4 rs, and area surrou rank (CCT). Plate Clarifier (IPC) inspection within th <b>explanation und</b> r D.O.T numbers an ated prior to exiting mpany rcadis rcadis	5. nding well to the Thing e Treatme er "Mate nd placard g the work lor	MW-1 ckene nt Sys rial T s? site? Tra Geol Engi Geol Sour	15. er Tank. stem building. <b>Tracking Co</b> *Yes * Yes * Yes de ogist neer ogist	No No No /	X Total 9 9 9	NA X NA X Hours .75 .75 .75 sed Daily Weigh
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well E</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul> Equipment/Material If any box below is of Were there any vehicles Were there any vehicles Were there any vehicles Were there any vehicles Personnel and Equip Individual Patrick Harringt Jasmine Mullir Jeremy Wycko Equipment Descr	canal for seeps. I EXMW-34, appro- ght fixture. doors, level confinition nside of the Clar red sludge from nousekeeping an <b>Tracking</b> thecked "Yes" which did not di which were not which were not on on is iption	No seeps fo pximately 75 trol chamber ifier Catch T the Incline F ad chemical i ', provide of isplay prope tarped? decontamin Co A A A A	feet south of MW-4 rs, and area surrou rank (CCT). Plate Clarifier (IPC) inspection within th explanation und r D.O.T numbers an ated prior to exiting mpany rcadis rcadis Contractor/Venc Waste Profile	5. nding well to the Thing e Treatme er "Mate nd placard g the work lor	MW-1 ckene nt Sys rial T s? site? Tra Geol Engi Geol Sour	15. er Tank. stem building. <b>Tracking Co</b> *Yes *Yes *Yes *Yes de ogist neer ogist Quantity	No No No /	X Total 9 9 9 9 9 0 2 0 0 U	NA X NA X Hours .75 .75 .75 sed Daily Weigh
<ul> <li>Conducted slug tes</li> <li>Investigated along of</li> <li>Located older well E</li> <li>Replaced exterior li</li> <li>Cleared snow from</li> <li>Sprayed down the i</li> <li>Repeatedly transfer</li> <li>Performed routine h</li> </ul> Equipment/Material If any box below is of Were there any vehicles Were there any vehicles Were there any vehicles Were there any vehicles Personnel and Equip Individual Patrick Harringt Jasmine Mullir Jeremy Wycko Equipment Descr	canal for seeps. I EXMW-34, appro- ght fixture. doors, level conf nside of the Clar red sludge from nousekeeping an <b>Tracking</b> <b>thecked "Yes"</b> which did not di which were not which were not which were not on is iff iption	No seeps fo oximately 75 trol chamber ifier Catch T the Incline F ad chemical i ', provide d isplay prope tarped? decontamin Co A A A A A A	feet south of MW-4 rs, and area surrou ank (CCT). Plate Clarifier (IPC) inspection within th explanation und r D.O.T numbers a ated prior to exiting mpany rcadis rcadis Contractor/Vend (If Applicable	5. nding well to the Thing e Treatme er "Mate nd placard g the work lor	MW-1 ckene nt Sys rial T s? site? Tra Geol Engi Geol Sour	15. er Tank. stem building. <b>Tracking Co</b> *Yes *Yes *Yes *Yes de ogist neer ogist Quantity	No No No /	X Total 9 9 9 9 9 0 2 0 0 U	NA X NA X Hours .75 .75 .75 .75 .75 .75 .75 .75 .75 .75



Report No. 79 Fort Edward Landfill - NYSDEC Site No. 558001

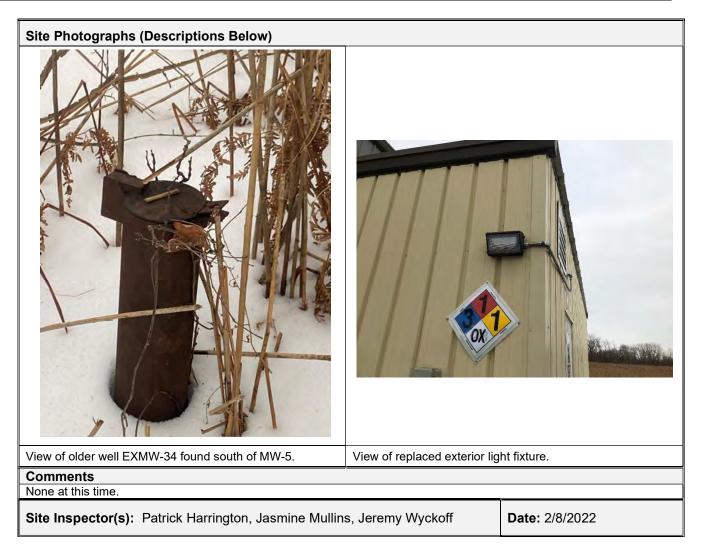
Visitors to Site				
Name	Re	epresenting	Entered	Exclusion/CRZ Zone
			Yes	No
Site Representatives	·		· · · ·	
Name		Representing		
Project Schedule Comments		4		
None at this time.				
Issues Pending				
None at this time.				
Interaction with Public, Property	Owners, Media, e	tc.		
None at this time.				

### Include (insert) figures with markups showing location of work and job progress



Red outlined areas indicate the location of work performed on February 8th, 2022.





# DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes 🖂	No 🗆
Is the tail gate safety meeting held outdoors?	Yes 🖂	No 🗆
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes 🖂	No 🗆
Were personal protective gloves, masks, and eye protection being used?	Yes 🖂	No 🗆
Are sanitizing wipes, wash stations or spray available?	Yes 🖂	No 🗆
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes 🗆	No 🖂
Comments: None at this time.	·	•



Report No. 79 Fort Edward

Page **4** of **4** \_Date: 2/8/2022

## REMEDIAL ACTIVITIES AT PROPERTIES

1.	Have anyone at this location been tested and confirmed to have COVID-19?	Yes 🗆	No 🖂
2.	Is anyone at this location isolated or quarantined for COVID-19?	Yes 🗆	No 🖂
3.	Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes □	No 🖂
4.	Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes □	No 🖂
5.	Does the Department and its contractors have your permission to enter the property at this time?	Yes 🗆	No 🖂
If ۱	/es to <u>any</u> of 1-4 above:		
•	If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry.	Yes □	No 🗆
•	If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.		
Со	mments:		
No	ne at this time.		

# NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes 🗆	No 🖂	N/A□
Were there any odors detected on this date?	Yes 🗆	No 🖂	N/A□
Was noise outside specification and/or above background on this date?	Yes 🗆	No 🖂	N/A□
Were vibration readings outside specification and/or above background on this date?	Yes 🗆	No 🗆	N/A⊠
Any visible dust observed beyond the work perimeter on this date?	Yes 🗆	No 🖂	N/A□
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes 🗆	No 🗆	N/A⊠
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes 🗆	No 🗆	N/A⊠
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes □	No 🛛	N/A□
If yes, has Contractor been notified?	Yes 🗆	No 🗆	N/A⊠
Comments: None at this time.		•	



# DAILY INSPECTION REPORT Report No. 80 Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_\_\_

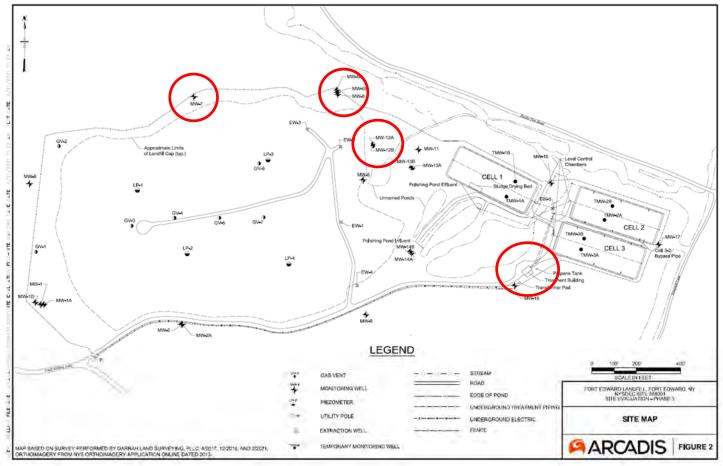
Site Location: Hudso	n Falls, New Y	ork	Conservation		Su	perintenden	it:			
			_		NY	SDEC PM:	Pays	on Lo	ng	
Conoral Description		Condition		DN	- Co	<ul> <li>Consultant PM: Andy Vitolins, P.G</li> <li>Consultant Site Inspectors:</li> </ul>				
General Description	Cloudy	AM	Light Rain	PM	- Co	nsultant Site	e Insp	pector	s:	
Temperature	35 °F	AM	40 °F	PN	000	Jasmine Mullins, Patrick Harrington, Jeremy Wyckoff			~	
Wind	3 MPH SSE	AM	5 MPH N	PN	На	rrington, Je	remy	vvуск	ΟΠ	
Health & Safety										
If any box below is o				er "Health					1	
Were there any changes		-				Yes	No	X	NA	
Were there any exceeda	•		<b>U</b>	n this date?		Yes	No		NA X	
Were there any nuisance	e issues reported	d/observed o	on this date?		*	Yes	No	X	NA	
Health & Safety Corr	iments									
None at this time.										
Summary of Work P	erformed	Arrived at	site: 08	00	Depai	rted Site:		1	910	
Conducted slug te Collected sample Organic Compour (TDS), polychlorir Pace Analytical. Repeatedly transf	ests at MW-6, M from EX-MW-3 nds (VOCs), M nated biphenyls erred sludge fr	MW-7, MW- 34, and ana etals with n s (PCBs), p om the Incl	-12A, and MW-12 alyzed samples for nercury, total susp erfluorinated alkyl line Plate Clarifier	B. r Target Co bended sol I substance (IPC) to th	ompou ids (Ta es (PF	und List (T SS), total o AS), and f ckener Tar	CL) <sup>v</sup> disso 1,4-d nk.	Volati Ived : ioxan	le solids	
Installed new sod Conducted slug te Organic Compour (TDS), polychlorir Pace Analytical. Repeatedly transf Performed routine	ests at MW-6, M from EX-MW-3 nds (VOCs), Ma nated biphenyls erred sludge fr housekeeping	MW-7, MW- 34, and ana etals with n s (PCBs), p om the Incl g and chem	-12A, and MW-12 alyzed samples for nercury, total susp erfluorinated alkyl line Plate Clarifier ical inspection wit	B. r Target Co bended sol I substance (IPC) to th th the Trea	ompou ids (Ti es (PF ee Thio tment	und List (T SS), total o AS), and c ckener Tar	CL) \ disso 1,4-d nk. uildir	√olati lved : ioxar ng.	le solids	
<ul> <li>Installed new sod</li> <li>Conducted slug te</li> <li>Collected sample Organic Compour (TDS), polychlorin Pace Analytical.</li> <li>Repeatedly transf</li> <li>Performed routine</li> </ul>	ests at MW-6, M from EX-MW-3 nds (VOCs), M ated biphenyls erred sludge fr housekeeping Tracking hecked "Yes"	MW-7, MW- 34, and ana etals with n 5 (PCBs), p om the Incl g and chem	-12A, and MW-12 alyzed samples for nercury, total susp erfluorinated alkyl line Plate Clarifier ical inspection wit	B. r Target C bended sol l substance (IPC) to th th the Trea er "Materia	ompou ids (Ta es (PF ee Thio tment	und List (T SS), total o AS), and f ckener Tar System b cking Con	CL) <sup>v</sup> disso 1,4-d nk. uildir <b>nme</b> l	Volati Ived : ioxar ng. <b>nts".</b>	le solids le by	
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Report No. 80 Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_

Visitors to Site				
Name	Re	epresenting	Entered	Exclusion/CRZ Zone
			Yes	No
Site Representatives	•		·	
Name		Representing		
Project Schedule Comments		<u>_</u>		
None at this time.				
Issues Pending				
None at this time.				
Interaction with Public, Property 0	Owners, Media, e	tc.		
None at this time.				

### Include (insert) figures with markups showing location of work and job progress



Red outlined areas indicate the location of work performed on February 10th, 2022.







# DAILY INSPECTION REPORTReport No. 80Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_

## DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes 🖂	No 🗆
Is the tail gate safety meeting held outdoors?	Yes 🖂	No 🗆
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes 🖂	No 🗆
Were personal protective gloves, masks, and eye protection being used?	Yes ⊠	No 🗆
Are sanitizing wipes, wash stations or spray available?	Yes 🖂	No 🗆
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes 🗆	No 🖂
<u>Comments:</u> None at this time.		

# REMEDIAL ACTIVITIES AT PROPERTIES

1.	Have anyone at this location been tested and confirmed to have COVID-19?	Yes 🗆	No 🖂
2.	Is anyone at this location isolated or quarantined for COVID-19?	Yes 🗆	No 🖂
3.	Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes □	No 🖂
4.	Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes □	No 🖂
5.	Does the Department and its contractors have your permission to enter the property at this time?	Yes 🗆	No 🖂
lf Y	′es to <u>any</u> of 1-4 above:		
•	If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry.	Yes □	No 🗆
•	If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.		
-	mments:		
No	ne at this time.		

# NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes 🗆	No 🖂	N/A□
Were there any odors detected on this date?	Yes 🗆	No 🖂	N/A□
Was noise outside specification and/or above background on this date?	Yes 🗆	No 🖂	N/A□
Were vibration readings outside specification and/or above background on this date?	Yes 🗆	No 🗆	N/A⊠
Any visible dust observed beyond the work perimeter on this date?	Yes 🗆	No 🖂	N/A□
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes 🗆	No 🗆	N/A⊠
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes 🗆	No 🗆	N/A⊠
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes □	No 🖂	N/A□
If yes, has Contractor been notified?	Yes 🗆	No 🗆	N/A⊠
Comments: None at this time.	·	•	•



# DAILY INSPECTION REPORT Report No. 81 Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_\_

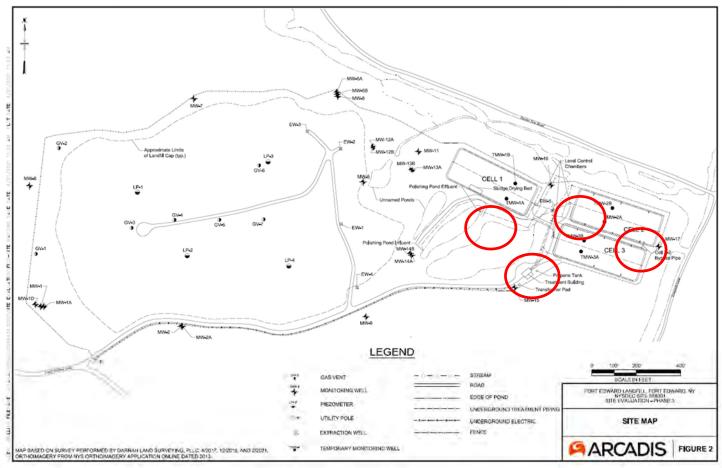
Division of Environme			Conservation	9		Superintende	nt:					
Site Location: Hudso						NYSDEC PM	: Pays	on Lo	ng			
	Weather	Condition	S			Consultant PI	M: And	dy Vito	lins, F	.G		
General Description	Partly Sunny	AM	Partly Clou	loudv PM		Consultant Site Inspectors: Patric						
Temperature	15 °F	AM	25 °F				Consultant Site Inspectors: Pati Harrington, Colby Churchill					nor
Wind	8 MPH ESE	AM	7 MPH NN	W	PM							
Health & Safety		"	avalanation					L- !!				
If any box below is Were there any change				naer "H	eaith č	*Yes	No	<u>(s″.</u> Χ	NA			
Were there any exceed		-		on this d	ate?	*Yes	No	~	NA	Х		
Were there any nuisand			•	on uno u		*Yes	No	x	NA			
Health & Safety Con						103		~				
None at this time.												
Summary of Work P	erformed	Arrived at	site:	0080		eparted Site:	Ĩ	1	910			
-		1			II					-		
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Report No. 81 Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_

Visitors to Site				
Name	Re	epresenting	Entered	Exclusion/CRZ Zone
			Yes	No
Site Representatives				
Name		Representing		
Project Schedule Comments		-		
None at this time.				
Issues Pending				
None at this time.				
Interaction with Public, Property	Owners, Media, e	tc.		
None at this time.				

### Include (insert) figures with markups showing location of work and job progress



Red outlined areas indicate the location of work performed on February 15th, 2022.



Site Photographs (Descriptions Below) View of IPC mixing chambers prior to sodium View of IPC after sodium permanganate dosing permanganate dosing adjustment. adjustment. Comments None at this time. Site Inspector(s): Patrick Harrington, Colby Churchill Date: 2/15/2022

## DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ⊠	No 🗆
Is the tail gate safety meeting held outdoors?	Yes 🖂	No 🗆
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes 🖂	No 🗆
Were personal protective gloves, masks, and eye protection being used?	Yes ⊠	No 🗆
Are sanitizing wipes, wash stations or spray available?	Yes ⊠	No 🗆
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes □	No 🖂
Comments: None at this time.		



Report No. 81 Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_\_

## REMEDIAL ACTIVITIES AT PROPERTIES

1. Ha	ve anyone at this location been tested and confirmed to have COVID-19?	Yes 🗆	No 🖂
2. Is a	anyone at this location isolated or quarantined for COVID-19?	Yes 🗆	No 🖂
	s anyone at this location had contact with anyone known to have COVID-19 in the past days?	Yes □	No 🖂
	es anyone at this location have any symptoms of a respiratory infection (e.g., cough, re throat, fever, or shortness of breath)?	Yes □	No 🖂
5. Do tim	es the Department and its contractors have your permission to enter the property at this e?	Yes 🗆	No 🖂
If Yes t	to <u>any</u> of 1-4 above:		
	is <u>not</u> critical that service/entry be carried out immediately and can be postponed until risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or		
	nduct service without entry.	Yes 🗆	No 🗆
	<u>is</u> critical that service/entry be carried out immediately, advise occupants that as a		
	ecaution and for our own protection, project personnel will be donning appropriate PPE* cluding respiratory protection) - and do so prior to entry.		
Comm			
	at this time.		

# NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes 🗆	No 🖂	N/A□
Were there any odors detected on this date?	Yes 🗆	No 🖂	N/A□
Was noise outside specification and/or above background on this date?	Yes 🗆	No 🖂	N/A□
Were vibration readings outside specification and/or above background on this date?	Yes 🗆	No 🗆	N/A⊠
Any visible dust observed beyond the work perimeter on this date?	Yes 🗆	No 🖂	N/A□
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes 🗆	No 🗆	N/A⊠
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes 🗆	No 🗆	N/A⊠
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes □	No 🖂	N/A□
If yes, has Contractor been notified?	Yes 🗆	No 🗆	N/A⊠
Comments: None at this time.		•	



# DAILY INSPECTION REPORT Report No. 82 Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_

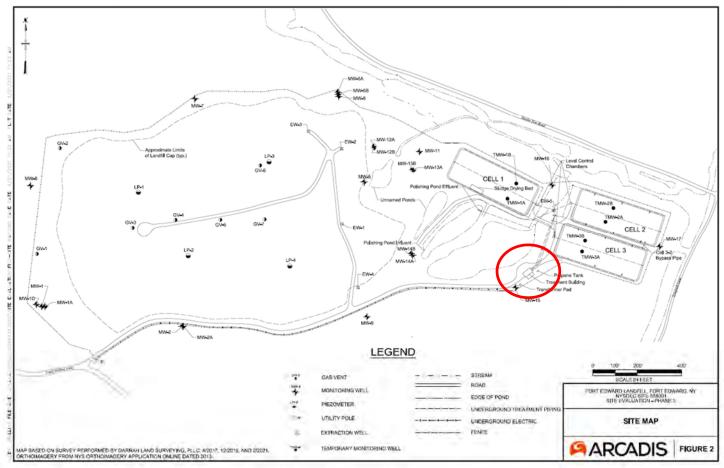
Division of Environme	ental Remediat	ion	W Department of Environmental Conservation	36		0009804	t:		
Site Location: Hudso	on Falls, New א	/ork				IYSDEC PM:		on I or	na
	Weather	r Condition	S			onsultant PM	•		•
General Description	Sunny	AM	Rain	PI	Λ				
Temperature	30 °F	AM	44 °F	PI		onsultant Site larrington, Co			
Wind	25MPH ESE	E AM	18 MPH ES	E PI	Л	0	,		
Health & Safety If any box below is	checked "Yes	s", provide	explanation un	der "Healt	h & S	Safety Com	ment	s".	
Were there any change						*Yes	No	X	NA
Were there any exceed	ances of the per	imeter air mo	nitoring reported o	on this date?		*Yes	No		NA X
Were there any nuisand	e issues reporte	d/observed c	on this date?			*Yes	No	Х	NA
Health & Safety Con	nments								
None at this time.									
Summary of Work P	erformed	Arrived at	site: 0	830	Depa	arted Site:		18	345
<ul> <li>Installed updated fi</li> <li>Repeatedly transfer</li> <li>Completed onstrea</li> <li>Completed prefill of</li> <li>Performed routine I</li> </ul>	mware on the s rred sludge from m, blowdown, ar Filter Press. housekeeping ar	odium perma i the Inclined nd cake disch	nganate dosing p Plate Clarifier (IP0 narge of the Filter	C) to the Thi Press.					
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Installed updated fi     Repeatedly transfer     Completed onstrea     Completed prefill of     Performed routine f      Equipment/Material     If any box below is of     Were there any vehicles     Were there any vehicles     Were there any vehicles     Personnel and Equi     Individual     Patrick Harring     Colby Church     Equipment Descr     Material Description     Filter Press Filter Sludge	mware on the s red sludge from m, blowdown, ar Filter Press. housekeeping ar <b>Tracking</b> checked "Yes" which did not d which were not which were not oment intion	odium perma the Inclined and cake disch and chemical i ", provide e lisplay proper tarped? t decontamina Co A A A A A 10 drums	Anganate dosing p Plate Clarifier (IPC narge of the Filter Inspection within the explanation uncomposition of D.O.T numbers a ated prior to exiting mpany readis Contractor/Ven Waste Profile	C) to the Thir Press. The Treatmen der "Materiand placards g the work s g the work s dor Source of Spring Gro	t Syste al Tra ? te? Trade Geolog Engine r Disp Applic	em building.	No No No I I I I I I	X Total 10 8 Us Daily	NA NA Hours .75 .5 sed Dail Weig (tons 2.0
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Report No. 82 Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_

Visitors to Site				
Name	Re	presenting	Entered	Exclusion/CRZ Zone
Dave MacDonalds	Cle	ean Harbors	Yes	No X
			Yes	No
			Yes	No
			Yes	No
Site Representatives				
Name		Representing		
Project Schedule Comments		!		
None at this time.				
Issues Pending				
None at this time.				
Interaction with Public, Property Ow	ners, Media, e	tc.		
None at this time.				

### Include (insert) figures with markups showing location of work and job progress



Red outlined area indicates the location of work performed on February 22nd, 2022.



Site Photographs (Descriptions Below)



## DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ⊠	No 🗆
Is the tail gate safety meeting held outdoors?	Yes 🖂	No 🗆
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes 🖂	No 🗆
Were personal protective gloves, masks, and eye protection being used?	Yes 🖂	No 🗆
Are sanitizing wipes, wash stations or spray available?	Yes ⊠	No 🗆
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes □	No 🖂
Comments: None at this time.		



# DAILY INSPECTION REPORT Report No. 82 Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_\_

# REMEDIAL ACTIVITIES AT PROPERTIES

1.	Have anyone at this location been tested and confirmed to have COVID-19?	Yes □	No 🖂
2.	Is anyone at this location isolated or quarantined for COVID-19?	Yes 🗆	No 🖂
3.	Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes □	No 🖂
4.	Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes □	No 🖂
5.	Does the Department and its contractors have your permission to enter the property at this time?	Yes 🗆	No 🖂
lf Y	/es to <u>any</u> of 1-4 above:		
•	If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry.	Yes □	No 🗆
•	If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.		
	mments:		
No	ne at this time.		

# NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes 🗆	No 🖂	N/A□
Were there any odors detected on this date?	Yes 🗆	No 🖂	N/A□
Was noise outside specification and/or above background on this date?	Yes □	No 🖂	N/A□
Were vibration readings outside specification and/or above background on this date?	Yes 🗆	No 🗆	N/A⊠
Any visible dust observed beyond the work perimeter on this date?	Yes 🗆	No 🖂	N/A□
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes 🗆	No 🗆	N/A⊠
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes 🗆	No 🗆	N/A⊠
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes □	No 🖂	N/A□
If yes, has Contractor been notified?	Yes 🗆	No 🗆	N/A⊠
Comments: None at this time.	•	•	



# **ATTACHMENT B**

Arcadis Weekly O&M Logs



Fort Edward Landfill - Weekly Operation and Maintenance Checklist



Check status and compare to normal conditions. See Reverse side for typical operating parameters.

HMI SCREENS Extraction Wells	Online (Y/N	V) Auto Manual Flow (gpm) Level (ft)	1
Pump Status/Flow	EW-1 N		(psi)
Run pumps in "Manual" to confirm flow , if needed.			0,0
Confirm pumps are operating between setpoints	EW-2 y	yeg NO	
Confirm pressure with pump cycling & not high/low	EW-4	<u>Ves</u> NO 21.20 8.90	NA
If pumps on, is water flowing into IPC (Y/N)?	EW-5	10 10 30.79 9.10	12.5
	- EW-5 _/y	125 NO NA 8.55	NA
Process - (Check if OK or fill in values)			
Chlorine Alarm status (on/off) A1 Veg	A2 NO	Auto rotate on/off	On
If on - record chlorine concentration (ppm)	_	Discharge pump operating	1
Operate exhaust fan manually		Discharge pump pressure normal	1
FT-801 reading (GPM) 27.30		Building temp accurate	
Chemical rates normal for flow?	•	Mixers operating?	
Catch tank display level=actual?	<b>2</b>	Other Alarms (Y/N)	
Filtration (Check if OK)			
Air compressor pressure in range		Onlaw old status and the status	-
Data (Check if OK)	•	Solenoid status correct for operation	
Do Daily & Yesterday Starts make sense			
Alarms			
All Alarms Enabled (Y/N)	-		
ist any disabled and indicate why			
BUILDING/GROUNDS			
Air Compressor (Check if OK)			
Cycle times normal for load	-	Check auto drain operation	V
Check oil level at least monthly		Check dryer - alarms? Cycling?	V
Belt tension y		HX fan operates with compressor?	6
Init Heaters (Check if OK)		A STATE OF A	1
Thermostats set correctly (50-55 F)		Propane tank level greater than 20%	70
leaters working	*		10
PC (Y/N)		Contraction of the local design of the local d	
PC discharge clear? Yes		Check sludge ports (Sludge Y/N)	V
loatables? (take photos if yes)		Linnor	120
Coag visibly dosing?		indicate % of sludge	100
Floc visibly dosing?		al each dort	
Chemical Feed (Fill in values)		Lower	100
05 Bleach Wo Mn 04 Height (in) 2.7	mA Signal 06.5	# of Full Drums Onsite t	
130 Coagulant Height (in) 13	Stroke Rate 16.6		
	Stroke Rate 16.6	# of Full Drums Onsite 3	
	Stroke Rate	# of Full Bags Onsite	
Dosing pumps at normal rate?	N.	Chemicals needed? A/A	
loor Sumps (Y/N)	restricts and the	No. 1 Mark - MAR 1	10.000
ump levels normal?		Pump runs but not emptying sump?	N
ligh-High level switches operate freely?	(check monthly)	Back flowing after pump cycle?	N
xcessive sludge/sediment?	New P	Pump not Running	
hiaphragm pumps (Check if OK) Thick Feed	Press Feed Floc Feed		
roper operation/flow			
egulators working properly			
xhaust mufflers			
ilter Press (Check if OK)			
ydraulic ram operating normally		Sorbent pads replaced?	٨Ī
ydraulic pressure normal			
ignificant leaks?		How many total filled Haz drums onsite?	8
eneral/Housekeeping		How many Haz drums filled & closed today?	
/ipe down dirty equipment/piping		at	
	Any leaks?	Waste drums needed?	Y
	Lindada su subla aŭ	Drum labels needed?	
weep and/or wash floors	Lights working?		$_{N}$
weep and/or wash floors ire extinguisher inspection (monthly)	Eignis working? Exit signs working?	Removed trash?	$\overline{N}$
weep and/or wash floors			N

Mow/trim around building, structures, wells, bollards, control panels and cleanouts Shovel doorways, apply ice melt

Confirm gates and doorways locked

145

Clear woody vegetation from swales and cap Look for damage fencing/gates Confirm storage container locked



Extraction Well	Flow (gpm)	Pressure (psi)	Low-Low	Level (off)	Level (on)	High-High
EW-1	20	4.5	2	3	10	20
EW-2	14	11	1	3	10	25
EW-3	20	NA	1	3	10	20
EW-4	30	20	0	7	10	36
EW-5	NA	NA	1	3	10	20
Litt-0			Low-Low	Level (off)	Levei (on)	High-High
<b>Clarifier Catch Tank</b>			0.5	1	2	3.25

#### **Chlorine Alarm**

A1 means chlorine concentration greater than 0.5 ppm

A1 and A2 means concentration greater than 1.0 ppm

If both on, the following will occur: Stop bleach pump, open intake louver, turn on exhaust fan and outside warning light

Hand SP 0.16 gph	Pump Screen 5.4 - 6.5
0.16 gph	12.5 - 12.7 72 - 75
	2.47 gph

#### **Discharge Pumps**

Typical speed

30-100% Typical pressure 22 psi @ 100%

#### Air compressor operating

operating range regulator setpoint	90-175 psi 90 psi
Auto drain	On 5 seconds every 5 minutes
Dryer	Display shows "ESA/ON" with dew point level shown on bar scale.
	Auto drain operates 5 seconds every minute
	Heat exchanger fan should operate with compressor

#### Regulators Thickener feed pump Filter press feed pump Floc feed pump Filter press hyd pump

PSI Range 40 psi max 90 psi max 40 psi

90 psi max

Notes:

Blowdown

sump wasn't Pumping, cleared blockage in pile - new

Fort Edward Landfill - Weekly Operation and Maintenance Checklist



Staff: PH, JMJW Date: 2/8/22

Check status and compare to normal conditions. See Reverse side for typical operating parameters.

HMI SCREENS		
Extraction Wells	Online (Y/N)	) Auto Manual Flow (gpm) Level (ft) (psi)
Pump Status/Flow	EW-1 N	N N 0.49 13.98 O
Run pumps in "Manual" to confirm flow , if needed.	EW-2 Y	Y N. 20 9.98 8.75
Confirm pumps are operating between setpoints	EW-3 🛛 🖉 N	Y / / 7.5 NA
Confirm pressure with pump cycling & not high/low	EW-4 Y	Y N 30,77 7.8 10,52
If pumps on, is water flowing into IPC (Y/N)?	EW-5 9	Y N NA 9.4 NA
Process - (Check if OK or fill in values)	-/	
Chlorine Alarm status (on/off) A1 Dff	A2 Off	Auto rotate on/off
If on - record chlorine concentration (ppm) N/A		Discharge pump operating
Operate exhaust fan manually		Discharge pump pressure normal
FT-801 reading (GPM)		Building temp accurate
Chemical rates normal for flow?		Mixers operating?
Catch tank display level=actual?		Other Alarms (Y/N)
Filtration (Check if OK)		
Air compressor pressure in range		Solenoid status correct for operation
Data (Check if OK)		
Do Daily & Yesterday Starts make sense		
Alarms		
All Alarms Enabled (Y/N)		
List any disabled and indicate why	noe disabled	
BUILDING/GROUNDS		
Air Compressor (Check if OK)		
Cycle times normal for load		Check auto drain operation
Check oil level at least monthly $$		Check dryer - alarms? Cycling?
Belt tension		HX fan operates with compressor?
Unit Heaters (Check if OK)		
Thermostats set correctly (50-55 F)		Propane tank level greater than 20%
Heaters working		
IPC (Y/N)		
IPC discharge clear?		Check sludge ports (Sludge Y/N)
Floatables? (take photos if yes) $\frac{1}{2}$	)	Uppor
Coag visibly dosing?		Mid Land
Floc visibly dosing?		at each port
Chemical Feed (Fill in values)		
	mA Signal 4	Notes 2 Remaining
	Stroke Rate 3 %	Notes 7 Reinain ind
	Stroke Rate 100	Notes Made 100 galling
Dosing pumps at normal rate?		Chemicals needed?
Floor Sumps (Y/N)		
Sump levels normal?		Pump runs but not emptying sump?
High-High level switches operate freely?	(check monthly)	Back flowing after pump cycle?
Excessive sludge/sediment?		
Diaphragm pumps (Check if OK) Thick Feed	Press Feed Floc Feed	
Proper operation/flow	VV	
Regulators working properly	V	
Exhaust mufflers	V V	
Filter Press (Check if OK)		and the second se
Hydraulic ram operating normally		Sorbent pads replaced?
Hydraulic pressure normal		How many total filled Haz drums onsite?
Significant leaks?		How many Haz drums filled & closed today?
General/Housekeeping		
Wipe down dirty equipment/piping	Any leaks?	Waste drums needed?
Sweep and/or wash floors	Lights working?	Drum labels needed?
Fire extinguisher inspection (monthly)	Exit signs working?	Removed trash?
Sludge in Clarifier Catch Tank?		
Grounds		

Mow/trim around building, structures, wells, bollards, control panels and cleanouts Shovel doorways, apply ice melt

Confirm gates and doorways locked

Clear woody vegetation from swales and cap Look for damage fencing/gates Confirm storage container locked



Extraction Well EW-1 EW-2 EW-3 EW-4 EW-5	Flow (gpm) 20 14 20 30 NA	Pressure (psi) 4.5 11 NA 20 NA	Low-Low 2 1 0 1 Low-Low	Level (off) 3 3 7 3 Level (off)	Level (on) 10 10 10 10 10 Level (on)	High-High 20 25 20 36 20 High-High
Clarifier Catch Tank			0.5	1	2	3.25

#### **Chlorine Alarm**

A1 means chlorine concentration greater than 0.5 ppm

A1 and A2 means concentration greater than 1.0 ppm

If both on, the following will occur: Stop bleach pump, open intake louver, turn on exhaust fan and outside warning light .

Chemical Dosing Rates	HMI Setpoint	Stroke SP	Hand SP	Pump Screen
305 Bleach	0.10%	100	0.16 gph	5.4 - 6.5
2130 Coagulant	0.10%	96	0.16 gph	12.5 - 12.7
1668 Flocculant	0.20%	100	2.47 gph	72 - 75

#### Discharge Pumps

30-100% 22 psi @ 100%

#### Air compressor

Typical speed

Typical pressure

operating range	90-175 psi
regulator setpoint	90 psi
Auto drain	On 5 seconds every 5 minutes
Dryer	Display shows "ESA/ON" with dew point level shown on bar scale.
•	Auto drain operates 5 seconds every minute
	Heat exchanger fan should operate with compressor

#### Regulators

Thickener feed pump Filter press feed pump Floc feed pump Filter press hyd pump Blowdown

PSI Range 40 psi max	
90 psi max 40 psi	
90 psi max	

#### Notes:

### Fort Edward Landfill - Weekly Operation and Maintenance Checklist

Staff: PH, TMJW

10/7 2 2

Check status and compare to normal conditions. See Reverse side for typical operating parameters.

Date:

HMI SCREENS							
Extraction Wells	Company - Alter	Online (Y/N)	Auto	Manual	Flow (gpm)	Level (ft)	(psi)
Pump Status/Flow	EW-1	N	Off	Off	0,51	13,99	0
Run pumps in "Manual" to confirm flow , if needed	. EW-2	Y	Y	N	22	7.85	7
Confirm pumps are operating between setpoints	EW-3	Ň	Ý	Ň	0	8.7	NA
Confirm pressure with pump cycling & not high/low		Y	Y	N	30.78	10.45	11,52
If pumps on, is water flowing into IPC (Y/N)?	EW-5	Y		N	NA	7.89	NA
Process - (Check if OK or fill in values)	1.20 A. 196	1		Substant Services	States and		
Chlorine Alarm status (on/off) A1 _///	A A2	NIA		Auto rotate o	n/off	and the second second	Omn On
If on - record chlorine concentration (ppm)		m			ump operating		V
Operate exhaust fan manually	<u> </u>				ump pressure		
	5.84			Building tem			<u> </u>
Chemical rates normal for flow?				Mixers opera			
Catch tank display level=actual?				Other Alarms	-		
Filtration (Check if OK)			A State State State	Other Alarma	5 (1/14)		
	1	Tel Children		Colonald ato			
Air compressor pressure in range				Solenoid sta	tus correct for	operation	
Data (Check if OK)		and Fr. a we get				and and	「「あるない」ではない。
Do Daily & Yesterday Starts make sense		APRIL 19 19 19 19 19 19 19 19 19 19 19 19 19		Contraction of the local division of the loc			
Alarms		1-11-11-10 - 1		And Law States		STATISTICS OF	and all the set
All Alarms Enabled (Y/N)	Chi and a 1	- cablel 1	a dilun		10		
List any disabled and indicate why	chlonne di	Saple, No	(hlorin	e on gi	TC		
		1					
BUILDING/GROUNDS							
Air Compressor (Check if OK)	1	A STREET AND	2.3 N# 18				S Samo St English
Cycle times normal for load					o drain operat		
Check oil level at least monthly					er - alarms? C		V
Belt tension	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		and the same states of	HX fan ope	erates with co	mpressor?	
Unit Heaters (Check if OK)			Sell a Conte				. (
Thermostats set correctly (50-55 F)				Propane ta	ank level great	ter than 20%	V 50%
Heaters working							
IPC (Y/N)	/		and a star a sta	and the second	R. Karperta	Server Starting	A CONTRACTOR OF THE OWNER
IPC discharge clear?				Check slue	dge ports (Slu	dge Y/N)	Y
Floatables? (take photos if yes)	<u>/</u>			Indicate 9	% of sludge	Upper	0
Coag visibly dosing?					ch port	Mid	75
Floc visibly dosing?				area	onport	Lower	100
Chemical Feed (Fill in values)	and the second						and States and
305-Bleach 345 Na MAO4 Height (in) 21	5 mA Signal	4.0	# of Full Dr	rums Onsite	Q 2	-	
2130 Coagulant Height (in)			# of Full Dr	rums Onsite	¢ 3		
1668 Flocculant Volume (gal) い	Stroke Ra	te 100	# of Full Ba	ags Onsite		(Made	100 callong
Dosing pumps at normal rate?	·		Chemicals	needed?	NONP		
Floor Sumps (Y/N)	and the second second		A ALAN AL		and the second	Constanting of the	A REAL PROPERTY
Sump levels normal?					s but not empt		N
High-High level switches operate freely?	(check mo	onthly)		Back flowi	ng after pump	cycle?	N
Excessive sludge/sediment?	011 5	Floc Feed	et to	be Non	HIPPL		
Part and the second s	Feed Press Feed	Floc Feed		et icp		a Contraction	
Proper operation/flow		V					
Regulators working properly		- V					
Exhaust mufflers		v					
Filter Press (Check if OK)	ŧ	and the second second		and the second	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1. 5 M 3. 7	
Hydraulic ram operating normally			To the second second		Sorbent pad	s replaced?	N
Hydraulic pressure normal	<u> </u>		Ho	w many tota	I filled Haz dru		9
Significant leaks?	7				ms filled & clo		-12-
General/Housekeeping	and the second second					and total i	
Wipe down dirty equipment/piping		Any leaks?	N	S. S	Waste drug	ns needed?	N
							A
	Lia	hts working?	~				
Sweep and/or wash floors		hts working?	<u> </u>				<del>- X</del>
Sweep and/or wash floors // Fire extinguisher inspection (monthly)		hts working? ons working?	<u> </u>				-X-
Sweep and/or wash floors			<u> </u>				<u> </u>

Shovel doorways, apply ice melt

Confirm gates and doorways locked

Clear woody vegetation from swales and cap Look for damage fencing/gates Confirm storage container locked

Time: 0830

ritancy



Extraction Well EW-1 EW-2 EW-3 EW-4 EW-5	Flow (gpm) 20 14 20 30 NA	Pressure (psi) 4.5 11 NA 20 NA	Low-Low 2 1 0 1 Low-Low	Level (off) 3 3 7 3 Level (off)	Level (on) 10 10 10 10 10 Level (on)	High-High 20 25 20 36 20 High-High
Clarifier Catch Tank			0.5	1	2	3.25

# **Chlorine Alarm**

A1 means chlorine concentration greater than 0.5 ppm

A1 and A2 means concentration greater than 1.0 ppm

If both on, the following will occur: Stop bleach pump, open intake louver, turn on exhaust fan and outside warning light .

Chemical Dosing Rates	HMI Setpoint	Stroke SP	Hand SP	Pump Screen
305 Bleach	0.10%	100	0.16 gph	5.4 - 6.5
2130 Coagulant	0.10%	96	0.16 gph	12.5 - 12.7
1668 Flocculant	0.20%	100	2.47 gph	72 - 75

# Discharge Pumps

30-100% 22 psi @ 100%

#### Air compressor

Typical speed

Typical pressure

operating range	90-175 psi
regulator setpoint	90 psi
Auto drain	On 5 seconds every 5 minutes
Dryer	Display shows "ESA/ON" with dew point level shown on bar scale.
•	Auto drain operates 5 seconds every minute
	Heat exchanger fan should operate with compressor

# Regulators

Thickener feed pump Filter press feed pump Floc feed pump Filter press hyd pump Blowdown

PSI Range 40 psi max	
90 psi max 40 psi	
90 psi max	

### Notes:

Fort Edward Landfill - Weekly Operation and Maintenance Checklist

Staff: <u>PH,(C</u> Date: <u>2-15-22</u>

ARCADIS Design & Consultancey for matural and built assets Time: <u>0900</u>

Check status and compare to normal conditions. See Reverse side for typical operating parameters.

HMI SCREENS						
Extraction Wells	Online (Y/N)	Auto	Manual	Flow (gpm)	Level (ft)	(psi)
Pump Status/Flow	EW-1 N	N	Y	0.72	13.82	32,48
Run pumps in "Manual" to confirm flow , if needed.	EW-2 Y	Ý	N	9.03	7.52	HUY
Confirm pumps are operating between setpoints	EW-3 Y	Y	N	11.85	6.25	ŃA
Confirm pressure with pump cycling & not high/low	EW-4 🧹	Y	N	22.61	7.38	47,85
If pumps on, is water flowing into IPC (Y/N)?	EW-5 Y	Y	N	<u>NA</u>	8.28	NA
Process - (Check if OK or fill in values)	The loss from the					
Chlorine Alarm status (on/off) A1 0++	A2 077		Auto rotate o			On
If on - record chlorine concentration (ppm)				Imp operating		<u> </u>
Operate exhaust fan manually				imp pressure r	ormal	
FT-801 reading (GPM)			Building temp			
Chemical rates normal for flow?			Mixers opera			_ <u>/,</u>
Catch tank display level=actual?			Other Alarms	; (Y/N)		
Filtration (Check if OK)				Contraction of the second	15 M	
Air compressor pressure in range			Solenoid stat	us correct for o	operation	
Data (Check if OK)				0.1039		
Do Daily & Yesterday Starts make sense						
Alarms						
All Alarms Enabled (Y/N)	Chlorine di	sobled				
	Chipping OI	90 MC( .				
BUILDING/GROUNDS		,				
Air Compressor (Check if OK)						
Cycle times normal for load			Check auto	drain operatio	n	1
Check oil level at least monthly				er - alarms? Cy		
Belt tension				rates with com		<u></u>
Unit Heaters (Check if OK)			and the second	a st. scille & R	0	THE REAL
Thermostats set correctly (50-55 F)			Propane ta	nk level greate	er than 20%	V 38%
Heaters working				-		
IPC (Y/N)						
IPC discharge clear?			Check sluc	lge ports (Slud	ge Y/N)	Ý
Floatables? (take photos if yes)			Indicate %	of sludge	Upper	_0
Coag visibly dosing?				ch port	Mid	100
Floc visibly dosing?					Lower	100
Chemical Feed (Fill in values)						
305 Bleach Height (in) 29 y	mA Signal <u>4.40</u>	Notes	ACIJUST			5
2130 Coagulant Height (in) $\frac{1}{5}$	Stroke Rate 34	Notes	New		nline	
1668 Flocculant Volume (gal) <u>リちの</u> Dosing pumps at normal rate?	Stroke Rate 74	Notes Chemicals	Made	100 gall	115	
Floor Sumps (Y/N)		Chemicals	-	None		
Sump levels normal?			Dump rups	but not empty	ing sumn?	N
High-High level switches operate freely?	(check monthly)			ng after pump o	•	
Excessive sludge/sediment?	(one ok montally)		Dack nown	ig aller pullip (	Sycie :	
Diaphragm pumps (Check if OK) Thick Feed	Press Feed Floc Feed			and the second second second		
Proper operation/flow	1/ V.					
Regulators working properly						
Exhaust mufflers						
Filter Press (Check if OK)						and an and a second second
Hydraulic ram operating normally				Sorbent pads		N
Hydraulic pressure normal				filled Haz drum		10
Significant leaks?		How m	any Haz drun	ns filled & close	ed today?	
General/Housekeeping		,				. /
Wipe down dirty equipment/piping	Any leaks?	<u>N</u>	-	Waste drums		
Sweep and/or wash floors	Lights working?	<u> </u>		Drum labels		<u>N.</u>
Fire extinguisher inspection (monthly)	Exit signs working?	Y		Remov	ed trash?	_//
Sludge in Clarifier Catch Tank?						
Mow/trim around building structures wells bollards or	ontrol nanels and cleanor	uts	Clear wood	ly vegetation f	rom swales	and can

n around building, structures, wells, bollards, control panels and cleanouts Shovel doorways, apply ice melt

Confirm gates and doorways locked

woody vegetation from swales and cap Look for damage fencing/gates Confirm storage container locked



Extraction Well	Flow (gpm)	Pressure (psi)	Low-Low	Level (off)	Level (on)	High-High
EW-1	20	4.5	2	3	10	20
EW-2	14	11	1	3	10	25
EW-3	20	NA	1	3	10	20
EW-4	30	20	0	7	10	36
EW-5	NA	NA	1	3	10	20
			Low-Low	Level (off)	Level (on)	High-High
Clarifier Catch Tank			0.5	1	2	3.25

# Chlorine Alarm

A1 means chlorine concentration greater than 0.5 ppm

A1 and A2 means concentration greater than 1.0 ppm

If both on, the following will occur: Stop bleach pump, open intake louver, turn on exhaust fan and outside warning light .

Chemical Dosing Rates	HMI Setpoint	Stroke SP	Hand SP	Pump Screen
305 Bleach	0.10%	100	0.16 gph	5.4 - 6.5
2130 Coagulant	0.10%	96	0.16 gph	12.5 - 12.7
1668 Flocculant	0.20%	100	2.47 gph	72 - 75

# Discharge Pumps

30-100% 22 psi @ 100%

# Air compressor

Typical speed

Typical pressure

operating range	90-175 psi
regulator setpoint	90 psi
Auto drain	On 5 seconds every 5 minutes
Dryer	Display shows "ESA/ON" with dew point level shown on bar scale.
	Auto drain operates 5 seconds every minute
	Heat exchanger fan should operate with compressor

# Regulators

Thickener feed pump Filter press feed pump Floc feed pump Filter press hyd pump Blowdown PSI Range 40 psi max 90 psi max 40 psi

90 psi max

# Notes:

NaMaO 5ml 50mb O.OI3epil Hr Hr Gmin 014 coal AVO3. Hr 75 ml 'n Gmin

Fort Edward Landfill - Weekly Operation and Maintenance Checklist

Staff: <u>PH, CC</u>



Check status and compare to normal conditions. See Reverse side for typical operating parameters.

IMI SCREENS		0."		Advertised in			(nei)
Extraction Wells	CTRO-BH-AL SADD	Online (Y/N)	Auto	Manual	Flow (gpm)	Level (ft)	(psi)
Pump Status/Flow	EW-	2.0		off	0.51	13.44	0
Run pumps in "Manual" to confirm flow , if nee			<u> </u>	off	8.51	5.40	17.12-
Confirm pumps are operating between setpoin			Y	off	18.75	9,45	NA
Confirm pressure with pump cycling & not high				0#	30.75	9.84	11.27
f pumps on, is water flowing into IPC (Y/N)?	<u> </u>	5 <u>4</u>	<u> </u>	off	NA	8.35	NA
Process - (Check if OK or fill in values)	Construction of the						
Chlorine Alarm status (on/off) A1_2	A A	2 <u>off</u>		Auto rotate o	on/off		BN
f on - record chlorine concentration (ppm)	-			Discharge p	ump operating	1	~
Operate exhaust fan manually				Discharge p	ump pressure	normal	
FT-801 reading (GPM)	6.87			Building tem	p accurate		
Chemical rates normal for flow?				Mixers opera			
Catch tank display level=actual?				Other Alarm			1/
Filtration (Check if OK)	1.14		A State of the sta				-10
Air compressor pressure in range				Solenoid sta	tus correct for	operation	/
	-	and the states	5. A. 763	Oblemold Ste		operation	
Data (Check if OK)	/		and the second	and a line	- Self	and the second se	and the second second
Do Daily & Yesterday Starts make sense	<u>v</u>	175	1	A/16 P. 7.	and the second	An alandar	
Alarms	11	and the second second	All BL . Mar	and the second			
All Alarms Enabled (Y/N)	hlorine alar	75 disab	11				
List any disabled and indicate why	165 12 9 (AV)	15 0, 540	16 6		_		
BUILDING/GROUNDS							
				115 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14-24 Mar 14		
Air Compressor (Check if OK)			E STATISTICS	Check aut	to drain operat	tion	-
Cycle times normal for load					/er - alarms? (		
Check oil level at least monthly					erates with co		
Belt tension	<u> </u>	126 - 19 - 19	The state		erates with co	inpressor i	No. of Concession, Name
Unit Heaters (Check if OK)	1	I water and	A Francis	Propage t	ank level grea	ter than 20%	11 754
Thermostats set correctly (50-55 F)				Fiopanei	ank level grea		<u> 4 - 75%</u>
Heaters working	-			1-022-10-00-00-00-00-00-00-00-00-00-00-00-00-			STATISTICS PARTY
IPC (Y/N)		ALC: BUTTO PORT	113 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Chock clu	idge ports (Slu		
IPC discharge clear?	<u> </u>			Check Sit	luge poins (oir	Upper	-10
Floatables? (take photos if yes)	A A A A A A A A A A A A A A A A A A A	d	1	Indicate	% of sludge	Mid	100-Dark
Coag visibly dosing?	-lostpice, Fike	an arrive	<i>«</i> [	at e	ach port	Lower	
Floc visibly dosing?	<u> </u>			State Charles in the		Lower	100
Chemical Feed (Fill in values)	10004 10			Den Oracita	1		and a state way i
	18.75" mA Sigr			Drums Onsite			
	Stroke F	10.		Drums Onsite	2		
1668 Flocculant Volume (gal)	340 Stroke F	Rate <u>44</u>		Bags Onsite	(		
Dosing pumps at normal rate?		-	Chemica	als needed?	none		Contraction of the local division of the loc
Floor Sumps (Y/N)	A State			A State And			
Sump levels normal?	<u> </u>				is but not emp		N
High-High level switches operate freely?	(check i	nonthly)		Back flow	ving after pump	o cycle?	N
Excessive sludge/sediment?	N	\					and the second se
Diaphragm pumps (Check if OK) T	hick Feed Press Fe	ed Floc Feed		La Dag		and the second	
Proper operation/flow	1 1		_				
Regulators working properly							
Exhaust mufflers							
Filter Press (Check if OK)	/	and the bus	Station 1		A MARINE S	N. Collector State	
Hydraulic ram operating normally					Sorbent pad	is replaced?	N
Hydraulic pressure normal				How many tot	al filled Haz dr	ums onsite?	ío
Significant leaks?			Hov	v many Haz dr	ums filled & cl	osed today?	0
General/Housekeeping	1	and the second second					and the second is
Wipe down dirty equipment/piping	1	Any leaks?	1		Waste dru	ms needed?	N
Sweep and/or wash floors	· ·	_ights working?		- Ju		els needed?	N
Fire extinguisher inspection (monthly)		signs working?				noved trash?	N
	Yes-cleaned	- grie frenking i		-			
Grounds	Ter Cleane	The set of the set	31 1.5-54	State State	12125-1115	A	a card-hand
Grounds	and the second sec	and the second states	and the stand of	Oleanus	adu vogatation	from outoloo	and can
	control non	els and cleaner	Its	Liearwa	DOV VEDELATION	1 from swales	and cao
Mow/trim around building, structures, wells, t Shovel doorways, apply ice melt	ollards, control pan	els and cleanou	uts		damage fencir	n from swales ng/gates	anu cap

122/22

Date: 2

Confirm gates and doorways locked

Confirm storage container locked



Extraction Well	Flow (gpm)	Pressure (psi)	Low-Low	Level (off)	Level (on)	High-High
EW-1	20	4.5	2	3	10	20
EW-2	14	11	1	3	10	25
EW-3	20	NA	1	7	10	20
EW-4	30	20	0	3	10	36
EW-5	NA	NA	1	3	10	20
Clarifier Catch Tank			Low-Low 0.5	Level (off) 1	Level (on) 2	High-High 3.25

# **Chlorine Alarm**

A1 means chlorine concentration greater than 0.5 ppm

A1 and A2 means concentration greater than 1.0 ppm

If both on, the following will occur: Stop bleach pump, open intake louver, turn on exhaust fan and outside warning light .

305 Bleach         0.10%         100           2130 Coagulant         0.10%         96           1668 Flocculant         0.20%         100	Hand SP 0.16 gph 0.16 gph 2.47 gph	Pump Screen 5.4 - 6.5 12.5 - 12.7 72 - 75
--	---	--

# Discharge Pumps Typical speed

Typical pressure

## Air compressor

operating range	90-175 psi
regulator setpoint	90 psi
Auto drain	On 5 seconds every 5 minutes
Dryer	Display shows "ESA/ON" with dew point level shown on bar scale.
	Auto drain operates 5 seconds every minute
	Heat exchanger fan should operate with compressor

# Regulators Thickener feed pump Filter press feed pump Floc feed pump Filter press hyd pump

Blowdown

PSI Range 40 psi max 90 psi max 40 psi

30-100%

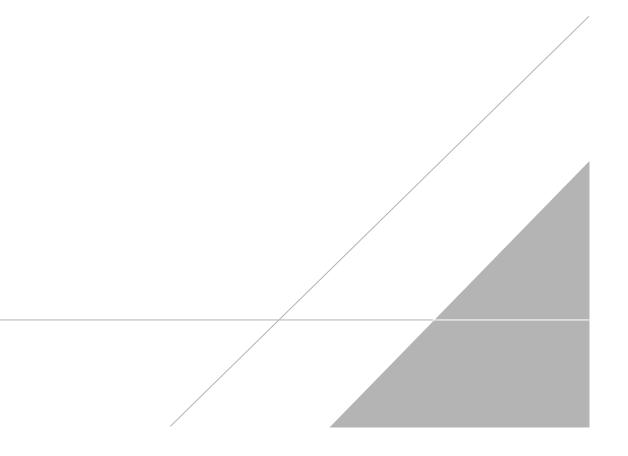
22 psi @ 100%

90 psi max

Notes:	d	ЦI	.1	0	. 1		
	-CIZM	11a/bois	On-s. te	For	Waste	Pickup	
	-removed	10 di	ins of	filto	5/udge +	2 Proto	danard
	Stee	1 diams	lequiti	5 6	verpacks	Cripty,	an inge

# **ATTACHMENT C**

Waste Disposal Documents



	нь	WASTE MANIFEST			00235	6424		1		0) 483-37		010	cking Numbe	684	F			
		NYSDEC Fort I 45 Leavy Hollo	Edwa	dLandf	58				Generator	s Site Address (if	different than n	nailing address)						•
	11	Hudson Falls, I	NY 1:	2839			C. Classer (1)		SAM	IE								140
	6.	enerator's Phone: 1511 Transporter 1 Company N	lame				e Mullins	5				U.S. EPA ID Nu					1	
	7.	Clean Harbors Transporter 2 Company Na	Envir	onment	alService	es, Inc.	omi	65.0 Mp. 7 Same		1		U.S. EPAID N	0393	3222	250	-	1	
	8	Designated Facility Name a	and Che														-	
		Spring Grove Re 4879 Spring Gro Cincinnati, OH 4 lity's Phone:	esou ove A	ce Reco	Planta part of				-			U.S. EPAID N		816	629			
	9a.	9b. U.S. DOT Descript	tion (incl			, Hazard Clas	ss, ID Numbe	er,		10. Contair	ners	11. Total	12. Unit	13	Waste Co	des	7	
	HM	and Packing Group (if and Packing Group (if and Packing Group) (if a distribution) (if a distr		YCHLO	RINATED	RIPHE	NYIS		DC III	No.	Туре	Quantity	Wt./Vol.		1	T	-	
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# **TSCA MANIFEST CONTINUATION FORM**

	IIFEST NUMBER: 016377684	ADDRESS:	45 Lenvy 16 1 45 Lenvy 16 1 Hudson Falls, M NYR 00023543	low Ln 1/ 12839
N U T B E E R O I I	Type/ Description F: 14 Slodze	Serial No. or Other ID No.	Date of Removal From Service For Disposal	Volume (gallons) or Weight (kilograms)
02 2 03 3 04 4	Filter Sludge Filter Sludge Filter Sludge	DECO2 DECO2 DECO3 DEC 04	11-30-2021 12-7-2021 12-14-2021 12-21-2021	182 K 182 K
05 5 06 6 07 7	Filter Sludge Filter Sludge Filter Sludge	DEC 05 DEC 06 DEC 07	1-11-2027 1-4-2027 1-11-2022 1-18-2022	182 K 182 k 182 k 182 k
08 8 09 9 6 10	Filter Slodge Filter Slodge Filter Slodge	DEC 08 DEC 09 DEC 09	2-1-2022	182 K 182 K 182 K
			n is hoad	(YAN
	* *			

# NOTES

- 1. Type/Description: Brief description of the unit such as:
  - (iii) Bulk Liquid/Solid (tanker or rolloff) (ii) Capacitor (i) Transformer ( > 500 ppm or < 500 ppm)
  - (iv) PCB Container A container in direct contact w/ PCBs, such as a drum containing PCB spill debris (v) PCB Article Container - A container not in direct contact w/ PCBs, such as a drum containing one or
    - more non-leaking motors, light ballasts, etc.
- 2. Serial No. or Other ID No.: Serial Number must be reported if one is present; if not, assign a unique number.
- 3. Date Removed From Service For Disposal: The date when the item was taken out of service for disposal. If more than one item (batch) is present in the container (tank), the reported date for the entire container (tank) must be the first (i.e., the earliest) date.
- 4. Weight: Volume may be reported in gallons; however, the weight in kilograms is preferred.
  - DESTINATION STATE-MAILED BY TSDF

NEW YORK STATE GENERATOR RESTRICTED WASTE NOTIFICATION/CERTIFICATION FOR PCB WASTES

ALL NEW YORK STATE GENERATORS WHO GENERATE PCB WASTE MUST ATTACH THIS ADDENDUM TO CHI FORM LDR1

(THIS NOTIFICATION/CERTIFICATION IS ONLY APPLICABLE WITHIN THE STATE OF NEW YORK)

Generator Name: NYSDE FORT. EDWARD LAWATILL EPAIDNO. OHDOOD BIGG29 / NYRODOZZSERY
EPAIDNO. OHDOOD BIGG29 / NYR.000235424
Signature: Colby Churchill on behalt of NYSDEC Date: 01177 127
Date: 01172 27

Manifest No .: 16377684 FLE

This Addendum to CHI Form LDR1 must be completed for any New York state regulated hazardous waste generated in the State of New York. This form ensures that New York State generators comply with the notification requirements of 6 NYCRR Part 376. All New York State generators shipping PCB waste which is a New York State regulated hazardous waste must check the box and indicate the applicable waste code below.

[] CHECK HERE The waste associated with the above manifest includes New York State Regulated PCB Waste which is land restricted in the State of New York and is subject to 6 NYCRR Part 376.4(f). This waste shall be disposed of in accordance with 40 CFR Part 761. Pursuant to 376.4(f)(1)(i), B002 waste from any source other than a spill may not be stabilized or mixed with any other substance to conform with any provision of 40 CFR Part 761 regarding land disposal if the disposal occurs in the State of New York.

Check all which apply:	[]B001	[]B002	[] B003	[]B004	[]B005
	[] B006*	(see below	v)		
	8 B007	* (see belov	w)		

 Generators are required to certify that their B006 and/or B007 waste can be land disposed in accordance with 40 CER Part 761 without further treatment if:

a. The waste is a B006, and is a transformer which has been drained and flushed pursuant to 40 CFR 761.60(b)(1)(i)(B), or

b. The waste is a B007 and does not contain PCBs which have been deliberately solidified.

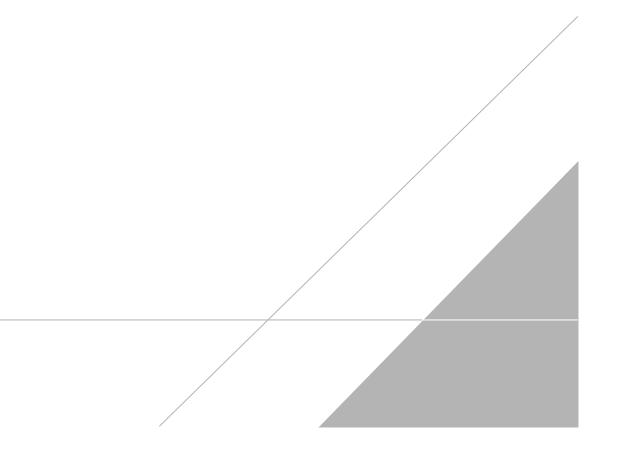
[] CHECK HERE if the B006 and/or B007 waste associated with this manifest conforms to either "a" or "b"

and is intended for land disposal, and sign this form at the top of the page. In accordance with 6 NYCRR Part 376.1(g)(1)(ii) the generator makes the following certification:

"I certify under penalty of law that I personally have examined and am familiar with the waste, through analysis and testing or through knowledge of the waste, to support this certification that the waste complies with the treatment standards specified in Part 376, section 376.4 and all applicable prohibitions set forth in subdivision 376.3(b) of Part 376 or RCRA section 3004(d). I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and Imprisonment."

# **ATTACHMENT D**

Groundwater Sampling Log



# Groundwater Sampling Log



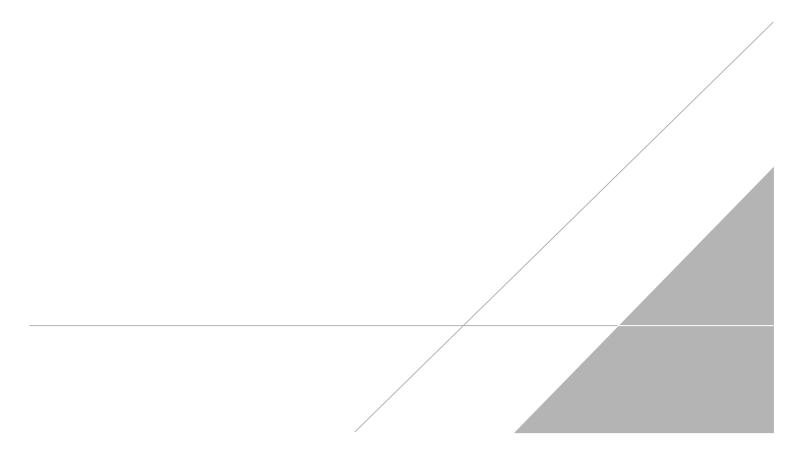
Project Name	Fort Edw	ard Landfill				Well ID	EXM	V-34		Date	2/10/	2022
Project No.	3005571	3								Weather	Cloudy	at 41°F
Measuring Pt. Description	Top of	Casing	Screen Setting (ft-bmp)			Casing Diameter (in.)2"			Well Material:	PVC <u>X</u> SS		
Total Depth (ft-bmp)	16.	67'	Static Water Level (ft-bmp)	2.7	19'	Water Column in Well (ft.)	14.48'			Gallons in Well	2.4	46
MP Elevation			Pump Intake (ft-bmp)			Volumes Purged	2.	0		Gallons Purged	5.	00
Sample Method	Gr	ab	Pump On/Off	1452 /	/ 1622	Sample Time	Start	1613 1616 1620		Purge Methoo Centri Submer	fugal	
Replicate/Code No.			Sampled By	JM/	JW			1020		Disp. E		Х
Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft.)	Gallons Purged	pН	Cond. (µmhos) <b>(mS/cm)</b>	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appea Color	arance Odor
1452	0		2.19	0.0	5.36	0.446	27.7	13.25	5.52	243	Clear	None
1458	6		6.47	0.3	7.06	0.501	41.3	11.11	6.88	222	Faint orange	None
1501	9		11.84	1.4	7.06	0.501	41.3	11.11	6.88	222	Faint orange	None
1506	14		16.61	2.5	7.15	0.543	454	11.58	7.61	163	Cloudy	None
1513	21		15.57	2.7	7.20	0.636	>1,000	11.65	8.67	172	Cloudy	None
1554	62		7.00	3.3	7.18	0.543	14.6	11.26	7.64	181	Clear	None
Constituents S	P 1,4-E V	FAS Dioxane OCs			Container	1 Liter Plastic 1 Liter Amber 40 mL vials		-	Numbe 1 2 3	r - -	No H(	one one CL
		<u>s w/ Mercur</u> CBs	у			250 mL Plastic 1 Liter Amber	:	-	1 2	-	Nit No	tric one
	Т	TSS TDS		· · · ·		1 Liter Plastic 1 Liter Plastic		-	1 1	-	No	one
Well Informatio	on							-		-		
Well Locat	tion:		Approximately	y 75-100' s	outh of MV	/-5	We	ell Locked a	at Arrival:		No	
Condition of	-			protective			-	ocked at D			No	
Well Comple	etion:	Flu	sh Mount /	Stick Up			K	ey Number	To Well:	Not	Applicable	)
NOTES:	Black sus	spended sol	ids observed at 1	506 to 155	57.							
Well Casing Vo Gallons/Foot	<b>olumes</b> 1" = 0.04	15	" = 0.09	2.5" = 0.26		3.5" = 0.50	6" = 1.4	7				

1.5" = 0.09 2" = 0.16

4" = 0.65

3" = 0.37

# TABLES



# Table 1. February 2022 Treatment System Analytical Data, Fort Edward Landfill Fort Edward, New York. NYSDEC Site No. 558001



Location	Influent	Clarifier	Cell 3	Cell 2	Fort Edward SPDES	Polishing Pond
	innuent	Catch	Bypass	Effluent	Equivalency	Effluent
Date	2/15/2022	2/15/2022	2/15/2022	2/15/2022	Permit Limit	2/15/2022
Volatile Organic Compounds (μg/L)						
ACETONE	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U
BENZENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
BROMODICHLOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
BROMOFORM	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
BROMOMETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
2-BUTANONE (MEK)	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U
CARBON DISULFIDE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
CARBON TETRACHLORIDE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
CHLOROBENZENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
CHLORODIBROMOMETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
CHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U	20	1.0 U
CHLOROFORM	1.0 U	1.0 U	1.0 U	1.0 U	150	1.0 U
CHLOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
CYCLOHEXANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
1,2-DIBROMO-3-CHLOROPROPANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
1,2-DICHLOROBENZENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
1,3-DICHLOROBENZENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
1,4-DICHLOROBENZENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
DICHLOROBROMOMETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
DICHLORODIFLUOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
1,1-DICHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U	30	1.0 U
1,2-DICHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
1,1-DICHLOROETHENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
CIS-1,2-DICHLOROETHENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
TRANS-1,2-DICHLOROETHENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
1,2-DICHLOROETHENE (TOTAL)	1.0 U	1.0 U	1.0 U	1.0 U	30	1.0 U
1,2-DICHLOROPROPANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
CIS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
TRANS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
ETHYLBENZENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
2-HEXANONE	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U
ISOPROPYLBENZENE (CUMENE)	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
METHYL ACETATE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
METHYL TERT-BUTYL ETHER (MTBE)	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
METHYL CYCLOHEXANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
METHYLENE CHLORIDE	1.0 U	1.0 U	1.0 U	1.0 U	50	1.0 U
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U
STYRENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
1,1,1,2-TETRACHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
TETRACHLOROETHENE (PCE)	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
TOLUENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
	1.0 U	1.0 U	1.0 U	1.0 U	50	1.0 U
XYLENES, TOTAL TOTAL VOCs	3.0 U	3.0 U	3.0 U	3.0 U		3.0 U
Notes:	ND	ND	ND	ND		ND

#### Notes:

Constitutents detected above the Fort Edward State Pollution Discharge Elimination System (SPDES) Equivalency Permit at the Polishing Pond Effluent are highlighted in yellow.

"--" - Value does not exist for analyte.

1,2-dichloroethene (total) is the sum of cis-1,2,-dichloroethene and trans-1,2-dichloroethene.

### **Definitions:**

μg/L - micrograms per liter.

ND - Non-detect.

# Table 1. February 2022 Treatment System Analytical Data, Fort Edward Landfill Fort Edward, New York. NYSDEC Site No. 558001



Location	Influent	Clarifier Catch	Cell 3 Bypass	Cell 2 Effluent	Fort Edward SPDES Equivalency	Polishing Pond Effluent
Date	2/15/2022	2/15/2022	2/15/2022	2/15/2022	Permit Limit	2/15/2022
Polychlorinated Biphenyls (μg/L)						
PCB-1016 (AROCLOR 1016)	0.061 U	0.061 U	0.061 U	0.061 U		0.061 U
PCB-1221 (AROCLOR 1221)	0.061 U	0.061 U	0.061 U	0.061 U		0.061 U
PCB-1232 (AROCLOR 1232)	0.46	0.37	0.12	0.061 U		0.061 U
PCB-1242 (AROCLOR 1242)	0.061 U	0.061 U	0.061 U	0.061 U		0.061 U
PCB-1248 (AROCLOR 1248)	0.061 U	0.061 U	0.061 U	0.061 U		0.061 U
PCB-1254 (AROCLOR 1254)	0.061 U	0.061 U	0.061 U	0.061 U		0.061 U
PCB-1260 (AROCLOR 1260)	0.061 U	0.061 U	0.061 U	0.061 U		0.061 U
Metals (mg/L)				•		
ALUMINUM	2.73	1.24	0.2 U	0.2 U		0.2 U
ANTIMONY	0.06 U	0.06 U	0.06 U	0.06 U		0.06 U
ARSENIC	0.01 U	0.01 U	0.01 U	0.01 U	0.15	0.01 U
BARIUM	0.2 U	0.2 U	0.2 U	0.2 U	3.5	0.2 U
BERYLLIUM	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U
CADMIUM	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.001	0.0025 U
CALCIUM	79.6	77.5	102	108		104
CHROMIUM, TOTAL	0.01 U	0.01 U	0.01 U	0.01 U	0.21	0.01 U
COBALT	0.05 U	0.05 U	0.05 U	0.05 U	0.005	0.05 U
COPPER	0.025 U	0.025 U	0.025 U	0.025 U	0.024	0.025 U
IRON	17	4.68	1.74	6.66	0.3	1.05
LEAD	0.005 U	0.005 U	0.005 U	0.005 U	0.0032	0.005 U
MAGNESIUM	19.1	18.6	18.4	19.5		20.7
MANGANESE	1.52	1.51	0.68	1.15		0.444
MERCURY	0.0002 U	0.0002 U	0.0002 U	0.00021	0.0008	0.0002 U
NICKEL	0.04 U	0.04 U	0.04 U	0.04 U	0.0096	0.04 U
POTASSIUM	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U
SELENIUM	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U
SILVER	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U
SODIUM	44.9	44.5	44.5	45.4		51.5
THALLIUM	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U
VANADIUM	0.05 U	0.05 U	0.05 U	0.05 U	0.014	0.05 U
ZINC	0.02 U	0.02 U	0.02 U	0.02 U	0.17	0.02 U
Conventional Chemistry (mg/L)						
TOTAL DISSOLVED SOLIDS	423	350	444	458	500	482
TOTAL SUSPENDED SOLIDS	46	26	12	24	50	10
Notes:		-	-		•	

# Notes:

Constitutents detected above the Fort Edward State Pollution Discharge Elimination System (SPDES) Equivalency Permit at the Polishing Pond Effluent are highlighted in yellow.

"--" - Value does not exist for analyte.

1,2-dichloroethene (total) is the sum of cis-1,2,-dichloroethene and trans-1,2-dichloroethene.

### **Definitions:**

mg/L - milligrams per liter.

µg/L - micrograms per liter.



Location	NYSDEC Class	EXMW-34
	GA Standard	
Date		2/10/2022
Volatile Organic Compounds (μg/L)		
ACETONE	50	5.0 U
BENZENE	1.0	1.0 U
BROMODICHLOROMETHANE	50	1.0 U
BROMOFORM	50	1.0 U
BROMOMETHANE	5.0	1.0 U
2-BUTANONE (MEK)	50	5.0 U
CARBON DISULFIDE	60	1.0 U
CARBON TETRACHLORIDE	5.0	1.0 U
CHLOROBENZENE	5.0	1.0 U
CHLORODIBROMOMETHANE	50	1.0 U
CHLOROETHANE	5.0	1.0 U
CHLOROFORM	7.0	1.0 U
CHLOROMETHANE	5.0	1.0 U
CYCLOHEXANE		1.0 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	1.0 U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.0006	1.0 U
1,2-DICHLOROBENZENE	3.0	1.0 U
1,3-DICHLOROBENZENE	3.0	1.0 U
1,4-DICHLOROBENZENE	3.0	1.0 U
DICHLOROBROMOMETHANE		1.0 U
DICHLORODIFLUOROMETHANE	5.0	1.0 U
1,1-DICHLOROETHANE	5.0	1.0 U
1,2-DICHLOROETHANE	0.6	1.0 U
1,1-DICHLOROETHENE	5.0	1.0 U
CIS-1,2-DICHLOROETHENE	5.0	1.0 U
TRANS-1,2-DICHLOROETHENE	5.0	1.0 U
1,2-DICHLOROETHENE (TOTAL)		1.0 U
1,2-DICHLOROPROPANE	1.0	1.0 U
CIS-1,3-DICHLOROPROPENE	0.4	1.0 U
TRANS-1,3-DICHLOROPROPENE	0.4	1.0 U
ETHYLBENZENE	5.0	1.0 U
2-HEXANONE	50	5.0 U
ISOPROPYLBENZENE (CUMENE)	5.0	1.0 U
METHYL ACETATE		1.0 U
METHYL TERT-BUTYL ETHER (MTBE)	10	1.0 U
METHYL CYCLOHEXANE		1.0 U
METHYLEVECHORIZE	5.0	1.0 U
METHYLENE GREORIDE METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)		
	 5.0	5.0 U
		1.0 U
	5.0	1.0 U
TETRACHLOROETHENE (PCE)	5.0	1.0 U
	5.0	1.0 U
1,2,4-TRICHLOROBENZENE	5.0	1.0 U
	5.0	1.0 U
1,1,2-TRICHLOROETHANE	1.0	1.0 U
	5.0	1.0 U
TRICHLOROFLUOROMETHANE	5.0	1.0 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5.0	1.0 U
VINYL CHLORIDE	2.0	3.2
XYLENES, TOTAL	5.0	2.4
TOTAL VOCs		5.6

#### Notes:

Constitutents detected above the New York State Department of Environmental Conservation Groundwater Standard and Guidance Value (NYSDEC Class GA GW Standard) are in yellow.

"--" - Value does not exist for analyte.

1,2-dichloroethene (total) is the sum of cis-1,2,-dichloroethene and trans-1,2-dichloroethene.

## **Definitions:**

μg/L - micrograms per liter.

NYSDEC - New York State Department of Conservation.

# Table 2. EXMW-34 Analytical Data, Fort Edward Landfill Fort Edward, New York. NYSDEC Site No. 558001



Polychlorinated Biphenyls (μg/L)           PCB-1016 (AROCLOR 1016)          0.0           PCB-1221 (AROCLOR 1221)          0.0           PCB-1232 (AROCLOR 1232)          0.0           PCB-1242 (AROCLOR 1232)          0.0           PCB-1242 (AROCLOR 1242)          0.0           PCB-1248 (AROCLOR 1242)          0.0           PCB-1248 (AROCLOR 1248)          0.0           PCB-1254 (AROCLOR 1254)          0.0           PCB-1260 (AROCLOR 1260)          0.0           Total PCBs         0.09         N           Metals (mg/L)          1.	06 U
PCB-1016 (AROCLOR 1016)        0.0         PCB-1221 (AROCLOR 1221)        0.0         PCB-1232 (AROCLOR 1232)        0.0         PCB-1242 (AROCLOR 1242)        0.0         PCB-1248 (AROCLOR 1242)        0.0         PCB-1254 (AROCLOR 1248)        0.0         PCB-1254 (AROCLOR 1254)        0.0         PCB-1260 (AROCLOR 1254)        0.0         PCB-1260 (AROCLOR 1260)        0.0         Total PCBs       0.09       N         Metals (mg/L)        1.1	53     U       54     U       55     U
PCB-1221 (AROCLOR 1221)        0.0         PCB-1232 (AROCLOR 1232)        0.0         PCB-1242 (AROCLOR 1242)        0.0         PCB-1248 (AROCLOR 1248)        0.0         PCB-1254 (AROCLOR 1254)        0.0         PCB-1260 (AROCLOR 1254)        0.0         PCB-1260 (AROCLOR 1260)        0.0         Total PCBs       0.09       N         Metals (mg/L)        1.1	53     U       54     U       55     U
PCB-1232 (AROCLOR 1232)        0.0         PCB-1242 (AROCLOR 1242)        0.0         PCB-1248 (AROCLOR 1248)        0.0         PCB-1254 (AROCLOR 1254)        0.0         PCB-1260 (AROCLOR 1260)        0.0         Total PCBs       0.09       N         Metals (mg/L)        1.1	63       U         64       U
PCB-1242 (AROCLOR 1242)        0.0         PCB-1248 (AROCLOR 1248)        0.0         PCB-1254 (AROCLOR 1254)        0.0         PCB-1260 (AROCLOR 1260)        0.0         Total PCBs       0.09       N         Metals (mg/L)        1.1	53     U       54     U       55     U       26     U       56     U
PCB-1248 (AROCLOR 1248)        0.0         PCB-1254 (AROCLOR 1254)        0.0         PCB-1260 (AROCLOR 1260)        0.0         Total PCBs       0.09       N         Metals (mg/L)        1.1	53     U       54     U
PCB-1254 (AROCLOR 1254)          0.0           PCB-1260 (AROCLOR 1260)          0.0           Total PCBs         0.09         N           Metals (mg/L)          1.1	53 U 53 U ID 26 26 U
PCB-1260 (AROCLOR 1260)          0.0           Total PCBs         0.09         N           Metals (mg/L)          1.1	63 U ID 26 06 U
Total PCBs     0.09     N       Metals (mg/L)      1.1	ID 26 06 U
Metals (mg/L) ALUMINUM 1.	26 26 U
ALUMINUM 1.	06 U
	06 U
ANTIMONY 0.003 0.	
	)1 U 🛛
BARIUM 1.0 0.2	57
BERYLLIUM 0.003 0.0	)5 U
CADMIUM 0.005 0.00	25 U
CALCIUM 1	16
CHROMIUM, TOTAL 0.05 0.1	)1 U
COBALT 0.1	)5 U
COPPER 0.2 0.0	25 U
IRON 0.3 3.	16
LEAD 0.025 0.0	)5 U
MAGNESIUM 35 48	.9
MANGANESE 0.3 1.	23
MERCURY 0.0007 0.00	)2 U
NICKEL 0.1 0.	)4 U
POTASSIUM 5	.0 U
SELENIUM 0.01 0.	D1 U
SILVER 0.05 0.	)1 U
SODIUM 20 73	
THALLIUM 0.0005 0.	D1 U
VANADIUM 0.	)5 U
	)2 U
Conventional Chemistry (mg/L)	
TOTAL DISSOLVED SOLIDS 6	72
	.4

# Notes:

Constitutents detected above the New York State Department of Environmental Conservation Groundwater Standard and Guidance Value (NYSDEC Class GA GW Standard) are in yellow.

"--" - Value does not exist for analyte.

# Definitions:

mg/L - milligrams per liter.

 $\mu g/L$  - micrograms per liter.

ND - Non-detect.

NYSDEC - New York State Department of Conservation.



Location	NYSDEC Class GA Standard	USEPA Lifetime Health Advisory	EXMW-34
Date		Auvisory	2/10/2022
Perfluorinated Alkyl Substance (ng/L)			
PERFLUOROBUTANOIC ACID (PFBA)	100		25
PERFLUOROPENTANESULFONIC ACID (PFPeS)			1.8 U
PERFLUOROPENTANOIC ACID (PFPeA)	100		23
PERFLUOROBUTANESULFONIC ACID (PFBS)	100		2.1
PERFLUOROHEXANESULFONIC ACID (PFHxS)	100		5.3
PERFLUORO-1-BUTANESULFONAMIDE (FBSA)			1.8 U
PERFLUORO-1-HEXANESULFONAMIDE (FHxSA)			1.8 U
PERFLUORO-4-OXAPENTANOIC ACID (PFMPA)			1.8 U
PERFLUORO-5-OXAHEXANOIC ACID (PFMBA)			1.8 U
PERFLUOROHEXANOIC ACID (PFHxA)	100		60
PERFLUOROHEPTANESULFONIC ACID (PFHpS)	100		1.8 U
PERFLUOROHEPTANOIC ACID (PFHpA)	100		14
PERFLUOROOCTANOIC ACID (PFOA)	10	70	86
PERFLUOROOCTANESULFONIC ACID (PFOS)	10	70	2.1
PERFLUORONONANOIC ACID (PFNA)	100		1.8 U
PERFLUORONONANESULFONIC ACID (PFNS)			1.8 U
PERFLUORODECANOIC ACID (PFDA)	100		1.8 U
PERFLUOROUNDECANOIC ACID (PFUnA)	100		1.8 U
PERFLUORODODECANOIC ACID (PFDoA)	100		1.8 U
PERFLUOROTRIDECANOIC (PFTriA)	100		1.8 U
PERFLUOROTETRADECANOIC ACID (PFTeA)	100		1.8 U
PERFLUORODECANESULFONIC ACID (PFDS)	100		1.8 U
PERFLUOROOCTANESULFONAMIDE (FOSA)	100		1.8 U
N-METHYLPERFLUOROOCTANESULFONAMIDOACETIC ACID (NMeFOSAA)	100		1.8 U
N-ETHYLPERFLUOROOCTANESULFONAMIDOACETIC ACID (NEtFOSAA)	100		1.8 U
11CI-PF3OUdS (F53B Minor)			1.8 U
9CI-PF3ONS (F53B Major)			1.8 U
4,8-DIOXA-3H-PERFLUORONONANOIC ACID (ADONA)			1.8 U
HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA)			1.8 U
PERFLUORO(2-ETHOXYETHANE)SULFONIC ACID (PFEESA)			1.8 U
NONAFLUORO-3,6-DIOXAHEPTANOIC ACID (NFDHA)			1.8 U
1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (4:2)			1.8 U
1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2)	100		1.8 U
1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2)	100		1.8 U
TOTAL PFOA + PFOS		70	88.1
TOTAL PFAS	500		226.5
1,4-Dioxane (μg/L)			
1,4-DIOXANE	1.0		28

## Notes:

Constitutents detected above the New York State Department of Environmental Conservation Groundwater Standard and Guidance Value (NYSDEC Class GA GW Standard) are in yellow.

Constitutents detected above the United States Environmental Protection Agency (USEPA) Lifetime Health Advisory are highlighted in **bold**.

"--" - Value does not exist for analyte.

# **Definitions:**

μg/L - micrograms per liter.

ng/L - nanograms per liter

NYSDEC - New York State Department of Conservation.

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

USEPA - United States Environmental Protection Agency.



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