

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 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

Subject:

May 2022 Monthly Report Fort Edward Landfill NYSDEC Site No. 558001 Contract No. D009804-7

Date:

August 1, 2022

Contact:

Andy Vitolins, P.G.

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 May 2022 reporting period at the above-referenced site.

Phone:

Fmail:

518.250.7300

andy.vitolins@arcadis.com

LEACHATE COLLECTION AND TREATMENT SYSTEM OPERATION AND MAINTENANCE

**System Performance** 

A total of 792,577 gallons of leachate were collected and treated through the system during May 2022. The monthly average total leachate recovery rate for leachate extraction wells EW-2, EW-3, and leachate collection well EW-4 was approximately 17.8 gallons per minute (gpm).

Our ref: 30055713

**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.

NYSDEC Site No. 558001 Payson Long August 1, 2022

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

- Iron and solids sludge processing was performed throughout the month. Four 55-gallon drums of Filter Sludge were generated during May 2022.
- On May 24, 2022, nine 55-gallon drums of Filter Press Filter Sludge and four empty plastic 55-gallon drums were transported for off-site disposal by Clean Harbors, Inc. The disposal documents are attached to this report (Attachment C).
- Cleared brush around the Polishing Pond, Constructed Wetland Treatment System (CWTS) cells, treatment system building, and along the landfill access roads.
- Leachate collection well EW-4 pump was pulled, cleaned, and reinstalled due to decreased flow.
- Repaired leak in the roof of the Treatment System Building.
- Collected routine monthly treatment system samples.
- Conducted chemical dosing evaluation to confirm and enhance sludge settling production and iron reduction.

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

#### **SYSTEM SAMPLING**

Monthly water samples were collected by Arcadis on May 24, 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 second 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 May 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, toluene was detected in the Cell 3 Bypass sample at 1.6 micrograms per liter ( $\mu$ g/L). No other VOCs were detected greater than the respective reporting limits in the May 2022 monthly samples.

#### **PCBs**

Aroclor 1016 was detected in the Influent sample (0.135  $\mu$ g/L, estimated) and in the Clarifier Catch sample (0.134  $\mu$ g/L, estimated). No other PCBs were detected at concentrations greater than the respective reporting limits during the May 2022 monthly sampling event. There are currently no criteria for PCBs in the Fort Edward SPDES Permit Limits.

#### **Metals**

Iron concentrations ranged from a minimum of 1.8 milligrams per liter (mg/L) (PPE) to a maximum of 8.5 mg/L (Influent). The PPE iron concentration of 1.8 mg/L exceeded the Fort Edward SPDES Equivalency Permit Limit of 0.3 mg/L. There were no other metal concentrations from the monthly samples which exceeded the Fort Edward SPDES Equivalency Permit Limits in May 2022. Additional metal concentrations are shown on Table 1.

#### **Conventional Chemistry**

As shown on Table 1, TDS concentrations ranged from 420 mg/L (Influent) to 610 mg/L (Cell 3 Bypass), and TSS concentrations ranged from 2.3 mg/L (Cell 2 Effluent and PPE) to 33 mg/L (Cell 3 Bypass). During the May 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.

#### **NEXT REPORTING PERIOD PLANNED ACTIVITIES**

The following activities are anticipated for June 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.

Andrew Vitolins, P.G.

NYSDEC Site No. 558001 Payson Long August 1, 2022

#### 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

Table 1 - May 2022 Treatment System Analytical Data

# ATTACHMENT A NYSDEC Daily Inspection Reports

Report No. 95

Fort Edward Landfill - NYSDEC Site No. 558001 Date: 5/3/2022

**NYSDEC** 

Division of Environmental Remediation





Superintendent:

D009804

NYSDEC PM: Payson Long

**NYSDEC Contract No.** 

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Patrick

Harrington

Site Location: Hudson Falls, New York

Weather Conditions				
General Description	Cloudy	AM	Cloudy	PM
Temperature	50 °F	AM	55 °F	PM
Wind	0 MPH	AM	18 MPH ESE	PM

#### **Health & Safety**

If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X		NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No		NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	,	NA

#### **Health & Safety Comments**

None at this time.

Summary of Work Performed	Arrived at site:	0900	Departed Site:	1735
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- Performed blowdown, cake discharge, and pre-fill of the Filter Press.
- Repeatedly transferred sludge from the Inclined Plate Clarifier (IPC) to the Thickener Tank.
- Cleared brush along the driveway, landfill access roads, and the Polishing Pond.
- Performed routine housekeeping and chemical inspection within the Treatment System Building.

# **Equipment/Material Tracking**

If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

#### **Personnel and Equipment**

Individual	Company	Trade		Total Hours		
Patrick Harrington	Arcadis	Geologist		Geologist		8.6
				_		
		<u> </u>	,			
Equipment Description	Contractor/Vendor		Quantity	Used		
		_				

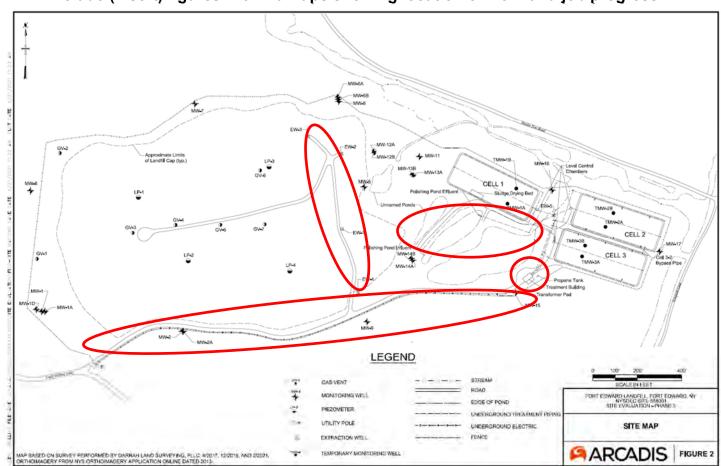
Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

\*On-Site scale for off-site shipment, delivery ticket for material received

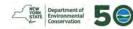
#### **Equipment/Material Tracking Comments:**

\_Date: 5/3/2022

Visitors to Site				
Name	Re	epresenting	Entered Exclusion/CRZ Zo	
			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.				



Red outlined areas indicate the locations of work performed on May 3, 2022.



Report No. 95 Fort Edward Landfill - NYSDEC Site No. 558001 \_\_ \_ Date: 5/3/2022

#### **Site Photographs (Descriptions Below)**





View of IPC plates prior to washing.

View of dried/processed Filter Sludge in the Filter Press.

#### Comments

None at this time.

Site Inspector(s): Patrick Harrington

Date: 5/3/2022

# 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.		

Date: 5/3/2022

Report No. 95 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 □
If \	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.			

Titoric at this time.

Report No. 96

Fort Edward Landfill - NYSDEC Site No. 558001 Date: 5/4/2022

**NYSDEC** 

Division of Environmental Remediation





Superintendent:

D009804

NYSDEC PM: Payson Long

**NYSDEC Contract No.** 

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Patrick

Harrington

Site Location: Hudson Falls, New York

Temperature   50 °F   AM   52 °F   F	Weather Conditions				
	General Description	Light Rain	AM	Light Rain	PM
	Temperature	50 °F	AM	52 °F	PM
Wind 0 MPH AM 0 MPH F	Wind	0 MPH	AM	0 MPH	PM

#### **Health & Safety**

If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

#### **Health & Safety Comments**

None at this time.

Summary of Work Performed	Arrived at site:	0900	Departed Site:	1200
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- Performed cake discharge of the Filter Press.
- Containerized two 55-gallon drums of Filter Press Filter Sludge.
- Performed routine housekeeping and chemical inspection within the Treatment System Building.

#### **Equipment/Material Tracking**

If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA	
Were there any vehicles which were not tarped?	* Yes	No	NA	X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA	X

#### **Personnel and Equipment**

Individual	Company	Trade	Total Hours
Patrick Harrington	Arcadis	Geologist	3.0
Fauinment Description	Contractor/Vend	or Quantity	heall

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

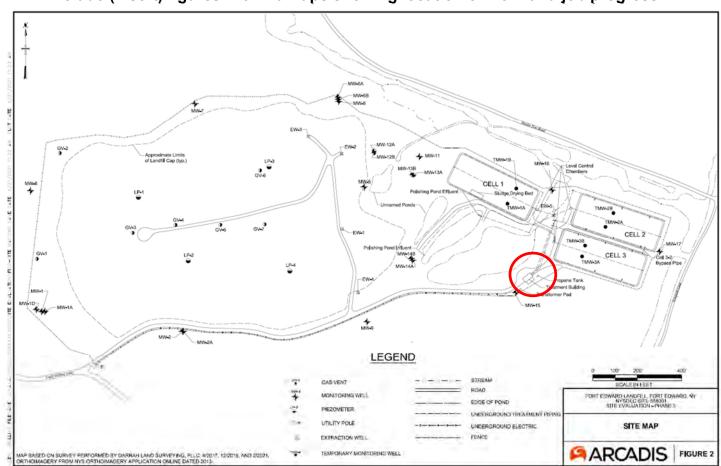
<sup>\*</sup>On-Site scale for off-site shipment, delivery ticket for material received

#### **Equipment/Material Tracking Comments:**

Date: 5/4/2022

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

Visitors to Site				
Name	Re	presenting	Entered Exclusion/CRZ	
			Yes	No
Site Representatives			<u>.</u>	
Name	e F			
Project Schedule Comments		!		
None at this time.				
Issues Pending				
None at this time.				
Interaction with Public, Property Ow	ners, Media, et	tc.		
None at this time.			<u> </u>	



Red outlined area indicates the location of work performed on May 4, 2022.



# Site Photographs (Descriptions Below)



View of dried/processed Filter Sludge in the Filter Press.

#### Comments

None at this time.

Site Inspector(s): Patrick Harrington

# DAILY HEALTH CHECKLIST

Date: 5/4/2022

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**

Page **4** of **4** 

Report No. 96 Fort Edward Landfill - NYSDEC Site No. 558001 \_\_\_ Date: 5/4/2022

# 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 \	Yes 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 is 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.		
_	omments:		
No	one 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.			

**NYSDEC** 

Division of Environmental Remediation





Superintendent:

D009804

NYSDEC PM: Payson Long

**NYSDEC Contract No.** 

Consultant PM: Andy Vitolins, P.G.

Date: 5/10/2022

Consultant Site Inspectors: Patrick

Harrington

Site Location: Hudson Falls, New York

Weather Conditions					
General Description	Sunny	AM	Sunny	PM	
Temperature	59 °F	AM	70 °F	PM	
Wind	2 MPH N	AM	4 MPH ENE	PM	

#### **Health & Safety**

If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

#### **Health & Safety Comments**

None at this time.

Summary of Work Performed	Arrived at site:	0850	Departed Site:	1650
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- Completed blowdown and cake discharge of the Filter Press.
- Repeatedly transferred sludge from the Incline Plate Clarifier (IPC) to the Thickener Tank.
- Cleared brush along landfill fencing.
- Performed routine housekeeping and chemical inspection within the Treatment System Building.

#### **Equipment/Material Tracking**

If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA	
Were there any vehicles which were not tarped?	* Yes	No	NA	X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA	Χ

#### Personnel and Equipment

Individual	Company	Trade		Total Hours
Patrick Harrington	Arcadis	Geologist		8.0
Equipment Description	Contractor/Vend	dor	Quantity	Used

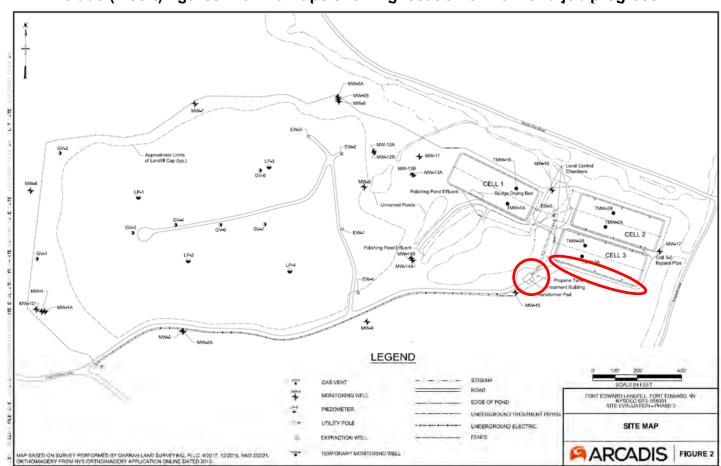
Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

\*On-Site scale for off-site shipment, delivery ticket for material received

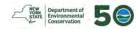
#### **Equipment/Material Tracking Comments:**

Date: 5/10/2022

Name	Representing	Entered	Exclusion/CRZ Zone
		Yes	No
Site Representatives	•	·	
Name	Represent	ing	
Project Schedule Comments	ļ.		
None at this time.			
Issues Pending			
None at this time.			
Interaction with Public, Property	Owners, Media, etc.		
None at this time.			



Red outlined areas indicate the locations of work performed on May 10, 2022.



# Site Photographs (Descriptions Below)



View of dried/processed Filter Sludge in the Filter Press.

#### Comments

None at this time.

Site Inspector(s): Patrick Harrington

# DAILY HEALTH CHECKLIST

Date: 5/10/2022

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**

Page 4 of 4

Report No. 97 Fort Edward Landfill - NYSDEC Site No. 558001 \_\_\_ Date: 5/10/2022

# 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 □
If۱	Yes 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.		
	omments:		
No	one 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.			

Report No. 98 Fort Edward Landfill - NYSDEC Site No. 558001 Date: 5/17/2022

**NYSDEC** 

Division of Environmental Remediation

Site Location: Hudson Falls, New York





Superintendent:

D009804

NYSDEC PM: Payson Long

**NYSDEC Contract No.** 

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Patrick Harrington, Jeremy Wyckoff

Weather Conditions

General Description Cloudy AM Cloudy

 General Description
 Cloudy
 AM
 Cloudy
 PM

 Temperature
 59 °F
 AM
 60 °F
 PM

 Wind
 9 MPH W
 AM
 14 MPH WNW
 PM

Health & Safety

If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X		NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No		NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	,	NA

#### **Health & Safety Comments**

None at this time.

Summary of Work Performed	Arrived at site:	0840	Departed Site:	1850
---------------------------	------------------	------	----------------	------

- Pulled EW-4 pump and resolved flow issue.
- Completed prefill and onstream of the Filter Press.
- Repeatedly transferred sludge from the Inclined Plate Clarifier (IPC) to the Thickener Tank.
- Cleared brush along perimeter fence and landfill access roads.
- Cleaned within the Clarifier Catch Tank (CCT).
- Increased flocculant dosing from 0.2% to 0.25%.
- Performed routine housekeeping and chemical inspection within the Treatment System Building.

#### **Equipment/Material Tracking**

If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA	
Were there any vehicles which were not tarped?	* Yes	No	NA	Х
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA	Χ

#### **Personnel and Equipment**

Individual	Company	Trade	Total Hours
Patrick Harrington	Arcadis	Geologist	10.2
Jeremy Wyckoff	Arcadis	Geologist	8.75

Equipment Description	Contractor/Vendor		Used

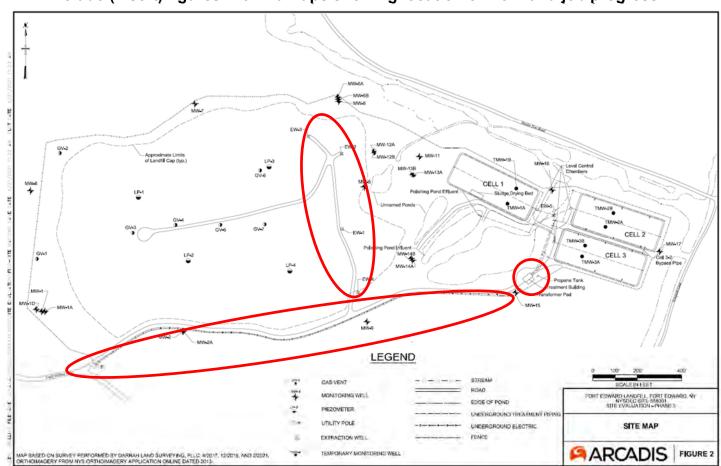
Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

\*On-Site scale for off-site shipment, delivery ticket for material received

#### **Equipment/Material Tracking Comments:**

Date: 5/17/2022

Visitors to Site  Name	Re	presenting	Entered	Exclusion/CRZ Zone
Hamo	110	procenting	Yes	No
			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 (	Owners, Media, et	.c.		
None at this time.				



Red outlined areas indicate the locations of work performed on May 17, 2022.





#### **Site Photographs (Descriptions Below)**





View of IPC plates prior to cleaning.

Close-up of IPC surface prior to cleaning.

Date: 5/17/2022

#### Comments

None at this time.

Site Inspector(s): Patrick Harrington, Jeremy Wyckoff

# 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**

Page 4 of 4

Report No. 98 Fort Edward Landfill - NYSDEC Site No. 558001 \_\_\_ Date: 5/17/2022

# 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 \	Yes 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.		
	omments:		
No	one 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.			

Fort Edward Landfill - NYSDEC Site No. 558001

**NYSDEC** 

Division of Environmental Remediation





Superintendent:

D009804

NYSDEC PM: Payson Long

**NYSDEC Contract No.** 

Consultant PM: Andy Vitolins, P.G. Consultant Site Inspectors: Patrick

Date: 5/18/2022

Harrington

Site Location: Hudson Falls, New York

Weather Conditions						
General Description	Sunny	AM	Sunny	PM		
Temperature	55 °F	AM	60 °F	PM		
Wind	8 MPH W	AM	5 MPH W	PM		
				-		

#### **Health & Safety**

If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

#### **Health & Safety Comments**

None at this time.

Summary of Work Performed	Arrived at site:	0900	Departed Site:	1630
---------------------------	------------------	------	----------------	------

- Completed blowdown and cake discharge of the Filter Press.
- Containerized one 55-gallon drum of Filter Press Filter Sludge.
- Repeatedly transferred sludge from Inclined Plate Clarifier (IPC) to the Thickener Tank.
- Repaired carburetor on the brush trimmer.
- Performed routine housekeeping and chemical inspection within the Treatment System Building.

#### **Equipment/Material Tracking**

If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA	
Were there any vehicles which were not tarped?	* Yes	No	NA	X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA	Χ

#### **Personnel and Equipment**

Individual	Company	Trade	Total Hours
Patrick Harrington	Arcadis	Geologist	7.5
Equipment Description	Contractor/Vend	dor Quantit	/ Used

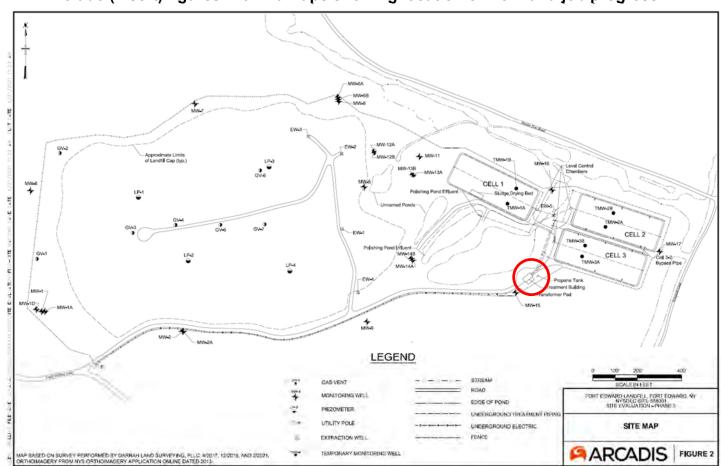
		•	•			
Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Dispos Applicat	Daily Loads	Daily Weight (tons)*

<sup>\*</sup>On-Site scale for off-site shipment, delivery ticket for material received

#### **Equipment/Material Tracking Comments:**

Date: 5/18/2022

Name	Representing	Entered	Exclusion/CRZ Zone
		Yes	No
Site Representatives	•	·	
Name	Represent	ing	
Project Schedule Comments	ļ.		
None at this time.			
Issues Pending			
None at this time.			
Interaction with Public, Property	Owners, Media, etc.		
None at this time.			



Red outlined area indicates the location of work performed on May 18, 2022.



### **Site Photographs (Descriptions Below)**



View of dried/processed Filter Sludge in the Filter Press.



View of iron scaling in IPC.

#### Comments

None at this time.

Site Inspector(s): Patrick Harrington

Date: 5/18/2022

# DAILY HEALTH CHECKLIST

Yes ⊠	No □
Yes ⊠	No □
Yes □	No ⊠
	Yes ⊠ Yes ⊠ Yes ⊠ Yes ⊠

# **DAILY INSPECTION REPORT**

Page 4 of 4

Report No. 99 Fort Edward Landfill - NYSDEC Site No. 558001 \_\_\_ Date: 5/18/2022

# 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 \	Yes 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.		
	omments:		
No	one 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

Page 1 of 4

5/24/2022

Report No. 100 Fort Edward Landfill - NYSDEC Site No. 558001

**NYSDEC** 

Division of Environmental Remediation





NYSDEC Contract No. D009804

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Date:

Consultant Site Inspectors: Patrick Harrington, Jeremy Wyckoff, Jasmine Mullins, Colby Churchill

Site Location: Hudson Falls, New York

Weather Conditions						
General Description Sunny AM Sunny P						
Temperature	58 °F	AM	70 °F	PM		
Wind	8 MPH W	AM	5 MPH W	PM		

#### **Health & Safety**

If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

#### **Health & Safety Comments**

None at this time.

Summary of Work Performed	Arrived at site:	0745	Departed Site:	1705
---------------------------	------------------	------	----------------	------

- Clean Harbors onsite for pickup and offsite disposal of nine Filter Press Filter Sludge 55-gallon drums and four empty, plastic 55-gallon drums.
- Completed routine monthly Treatment System sampling. Sample coolers delivered to Pace Analytical.
- Completed non-routine Treatment System sampling for iron analyses.
- Repaired leak in the roof of the Treatment System Building.
- Completed pre-fill and onstream of the Filter Press.
- Repeatedly transferred sludge from Inclined Plate Clarifier (IPC) to the Thickener Tank.
- Cleared brush along landfill access roads, Polishing Pond, and Treatment Cells.
- Performed routine housekeeping and chemical inspection within the Treatment System Building.

#### **Equipment/Material Tracking**

If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

#### **Personnel and Equipment**

Individual	Company	Trade	Total Hours
Patrick Harrington	Arcadis	Geologist	9.0
Jeremy Wyckoff	Arcadis	Geologist	7.0
Jasmine Mullins	Arcadis	Engineer	7.0
Colby Churchill	Arcadis	Jr. Engineer	5.0

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
Filter Press Filter Sludge		Nine drums	B007	Spring Grove Resource Recovery		1.8
Empty Plastic 55-gallon drum		Four drums	N/A	Spring Grove Resource Recovery		0.04

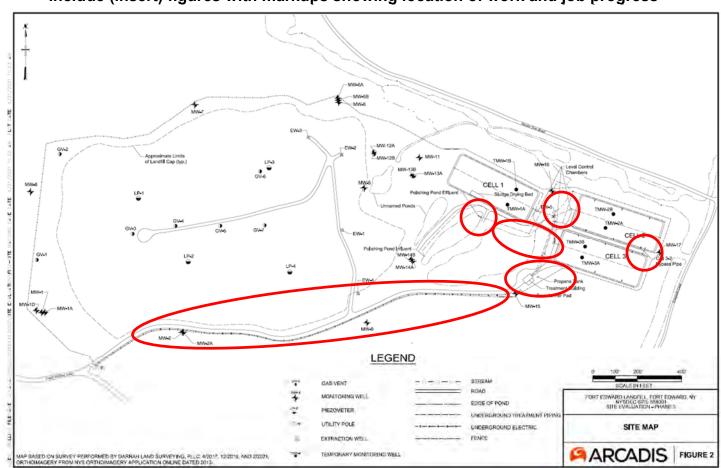
\*On-Site scale for off-site shipment, delivery ticket for material received

#### **Equipment/Material Tracking Comments:**



Date: 5/24/2022

Visitors to Site				
Name	Re	presenting	Entered Exclusion/CRZ Z	
			Yes	No
Site Representatives				
Name	Representing			
Project Schedule Comments		<del>'</del>		
None at this time.				
Issues Pending				
None at this time.				
Interaction with Public, Property	Owners, Media, e	tc.		
None at this time.				



Red outlined areas indicate the locations of work performed on May 24, 2022.



Report No. 100 Fort Edward Landfill - NYSDEC Site No. 558001 \_\_ Date: 5/24/2022

#### **Site Photographs (Descriptions Below)**





View of PPE sample.

View of placards displayed on Clean Harbors truck.

#### Comments

None at this time.

Site Inspector(s): Patrick Harrington, Jeremy Wyckoff, Jasmine Mullins, Colby Churchill

Date: 5/24/2022

## 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.		

# **DAILY INSPECTION REPORT**

Page **4** of **4** 

Report No. 100 Fort Edward Landfill - NYSDEC Site No. 558001 \_\_\_\_ Date: 5/24/2022

# 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 \	Yes 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.		
	omments:		
No	one 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.			

Report No. 101 Fort Edward Landfill - NYSDEC Site No. 558001 \_\_ \_ Date: 5/25/2022

**NYSDEC** 

Division of Environmental Remediation





Superintendent:

D009804

NYSDEC PM: Payson Long

**NYSDEC Contract No.** 

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Patrick

Harrington

Site Location: Hudson Falls, New York

Weather Conditions					
General Description Sunny AM Sunny		PM			
Temperature	60 °F	AM	74 °F	PM	
Wind	0 MPH	AM	5 MPH WSW	PM	

#### **Health & Safety**

If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

#### **Health & Safety Comments**

None at this time.

Summary of Work Performed	Arrived at site:	0900	Departed Site:	1640
---------------------------	------------------	------	----------------	------

- Completed pre-fill and onstream of the Filter Press.
- Repeatedly transferred sludge from Inclined Plate Clarifier (IPC) to the Thickener Tank.
- Containerized one drum of Filter Press Filter Sludge.
- Mowed grass along the landfill access road.
- Performed routine housekeeping and chemical inspection within the Treatment System Building.

#### **Equipment/Material Tracking**

If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA	
Were there any vehicles which were not tarped?	* Yes	No	NA	X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA	Χ

#### **Personnel and Equipment**

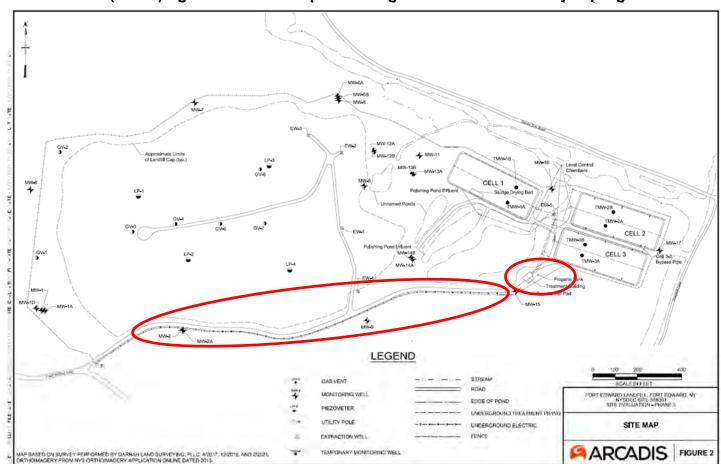
Individual	Company	Trade		Total Hours				
Patrick Harrington	Arcadis Geologist		Harrington Arcadis Geologist		Geologist		Geologist	
Equipment Description	Contractor/Vendor Quantity		Used					

	Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposa Applicab	Daily Loads	Daily Weight (tons)*
I							

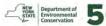
#### **Equipment/Material Tracking Comments:**

Date: 5/25/2022

Visitors to Site				
Name	Re	presenting	Entered Exclusion/CRZ Zo	
			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.				



Red outlined areas indicate the locations of work performed on May 25, 2022.





Date: 5/25/2022

Report No. 101 Fort Edward Landfill - NYSDEC Site No. 558001\_\_\_

# **Site Photographs (Descriptions Below)**



View of IPC plates prior to cleaning.

View of dried/processed Filter Sludge.

#### Comments

None at this time.

Site Inspector(s): Patrick Harrington Date: 5/25/2022

# 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.		

# **DAILY INSPECTION REPORT**

Page **4** of **4** 

Report No. 101 Fort Edward Landfill - NYSDEC Site No. 558001 \_\_\_ Date: 5/25/2022

# 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 \	Yes 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.		
	omments:		
No	one 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.			

Report No. 102 Fort Edward Landfill - NYSDEC Site No. 558001 \_\_ \_ Date: 5/31/2022

**NYSDEC** 

Division of Environmental Remediation





Superintendent:

D009804

NYSDEC PM: Payson Long

**NYSDEC Contract No.** 

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Patrick

**Total Hours** 

Harrington

Trade

Site Location: Hudson Falls, New York

Weather Conditions					
General Description	Sunny	AM	Sunny	PM	
Temperature	78 °F	AM	80 °F	PM	
Wind	6 MPH NNE	AM	9 MPH N	PM	
			<u> </u>		

#### **Health & Safety**

If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

#### **Health & Safety Comments**

None at this time.

Summary of Work Performed	Arrived at site:	0845	Departed Site:	1645
---------------------------	------------------	------	----------------	------

- Completed cake discharge and subsequent pre-fill and onstream of the Filter Press.
- Repeatedly transferred sludge from Inclined Plate Clarifier (IPC) to the Thickener Tank.
- Cleared brush around the Treatment Building and landfill access roads.
- Performed routine housekeeping and chemical inspection within the Treatment System Building.

# **Equipment/Material Tracking**

If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Company

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No X	NA	
Were there any vehicles which were not tarped?	* Yes	No	NA	X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA	X

#### **Personnel and Equipment**

Individual

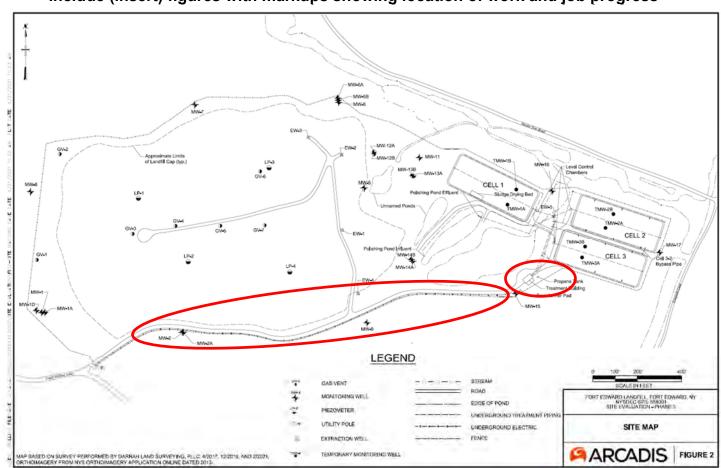
Patrick Harrington	Patrick Harrington Arcadis Geologist			8.	0		
	1						
Equipment Description	Equipment Description Contractor/Vendor Qua		Quantity	Used			
Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Dispos Applicab		Daily Loads	Daily Weight (tons)*

#### **Equipment/Material Tracking Comments:**



5/31/2022 Date:

Name	Representing	Entered	Entered Exclusion/CRZ Zone		
		Yes	No		
		Yes	No		
		Yes	No		
		Yes	No		
Site Representatives		<u>,                                      </u>			
Name	Representing				
Dayler ( Oak adula Oassassas)	·				
Project Schedule Comments					
None at this time.					
Issues Pending					
None at this time.					
Interaction with Public, Property	Owners, Media, etc.				
None at this time.					



Red outlined areas indicate the locations of work performed on May 31, 2022.





Date: 5/31/2022

# **Site Photographs (Descriptions Below)**



View of IPC plates prior to cleaning.



View of dried/processed Filter Sludge in the Filter Press.

Date: 5/31/2022

#### Comments

None at this time.

Site Inspector(s): Patrick Harrington

# 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**

Page **4** of **4** 

Report No. 102 Fort Edward Landfill - NYSDEC Site No. 558001 \_\_\_ Date: 5/31/2022

# 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 `	Yes 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.						
Comments:							
None 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

	011		polymer.	7	- 200	20
Staff:	TH	Date:	5	-5	10	11



Check status and compare to normal cond	litions. See Re	everse side f	or typical ope	erating para	meters.			
HMI SCREENS						T. 2.5	. ,	
Extraction Wells			Online (Y/N)	Auto	Manual	Flow (gpm)	Level (ft)	(psi)
Pump Status/Flow		EW-1		<i>N</i>	_ <u> </u>		13,97	0
Run pumps in "Manual" to confirm flow , if		EW-2	<u> </u>			21.46	2,65	9.81
Confirm pumps are operating between set	•	EW-3	¥	7		17,48	7,45	NA
Confirm pressure with pump cycling & not		EW-4		<u> </u>		30.74	7.85	11.74
If pumps on, is water flowing into IPC (Y/N	1)? *	EW-5	9	<u> </u>	_ N	NA	7.45	NA
Process - (Check if OK or fill in values)			ALC: NO.		other many and a second discount			
Chlorine Alarm status (on/off) A		A2	NA		Auto rotate o	n/off		On
If on - record chlorine concentration (ppm)					Discharge pu	ump operating		
Operate exhaust fan manually					Discharge pu	imp pressure	normal	V
FT-801 reading (GPM)	26,41				Building tem	p accurate		V
Chemical rates normal for flow?	V				Mixers opera	iting?		1
Catch tank display level=actual?					Other Alarms	s (Y/N)		$\overline{\mathcal{N}}$
Filtration (Check if OK)	PARTIE POR							Sules
Air compressor pressure in range	1/				Solenoid sta	tus correct for	operation	1/
Data (Check if OK)	Street and an or			MS 21 1			oporación	
Do Daily & Yesterday Starts make sense	1							
Alarms	Laborator Company					W 1831		
All Alarms Enabled (Y/N)	N						DOM: United Miles	
List any disabled and indicate why	chlor	ha dien	Mad					
•		THE GIA	WIE					
BUILDING/GROUNDS								
Air Compressor (Check if OK)	75 - 12 73			- 12 17	A LEGICAL	ANGEL S MIL	11975	
Cycle times normal for load	V				Check aut	o drain operati	ion	1/
Check oil level at least monthly	1/					er - alarms? C		1/
Belt tension	V	-3				erates with cor		-/-
Unit Heaters (Check if OK)	BURNEY.			17/10				U PARTIE NE
Thermostats set correctly (50-55 F)					Propane ta	ank level great	er than 20%	2541
Heaters working	V					g.		7.770
IPC (Y/N)								
IPC discharge clear?	Y				Check sluc	dge ports (Slud	dge Y/N)	4
Floatables? (take photos if yes)	~						Upper	0
Coag visibly dosing?	-					% of sludge	Mid	- 80
Floc visibly dosing?	-				at ea	ch port	Lower	100
Chemical Feed (Fill in values)	DESCRIPTION OF THE PERSON NAMED IN							.00
345 Sodium Permanganate Height (in)	17	mA Signal	5.33	# of Full [	Drums Onsite	1		
2130 Coagulant Height (in)	16	Stroke Rate			Orums Onsite	1		
1668 Flocculant Volume (ga		Stroke Rate			Bags Onsite	× 1		
Dosing pumps at normal rate?	17				s needed?	VA		
Floor Sumps (Y/N)	ALL LAND TO						THE PERSON	- 00 Val
Sump levels normal?	V				Pump runs	but not empty	vina sumn?	N
High-High level switches operate freely?	<del>-/y</del>	(check mor	nthly)			ng after pump		
Excessive sludge/sediment?	- 1/	(GIIGGII IIIGI	.ay)		Duon nom	ng antor pamp	0,00	
Diaphragm pumps (Check if OK)	Thick Feed	Press Feed	Floc Feed		DOM:		A STATE OF THE STA	
Proper operation/flow		1						
Regulators working properly	-1/-	1/	-1/					
Exhaust mufflers	1/							
Filter Press (Check if OK)					Sent Substitute	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Hydraulic ram operating normally	1/1					Sorbent pads	replaced?	1/
Hydraulic pressure normal	-			н	low many tota	l filled Haz dru		70
Significant leaks?					•	ms filled & clo		
General/Housekeeping				1104	many riez diu		cou today !	
Wipe down dirty equipment/piping	1		Any leaks?	N	7.00	Waste drun	ns needed?	U
Sweep and/or wash floors	-1/		its working?	-(-	_		els needed?	<u> </u>
Fire extinguisher inspection (monthly)			ns working?	-	<b>-</b> 2		oved trash?	<del>///</del>
Sludge in Clarifier Catch Tank?	-N	Exit sigi	working!	_/	<del>-</del> 2.5	170111	JVCG Habili	_//
Grounds					U 7570 12 -	Market III		- 4/000
Mow/trim around building, structures, well	s hollarde co	ntrol nanels	and cleanout	S	Clear woo	dy vegetation	from ewales	and can
Shovel doorways, apply ice melt	o, bollardo, cc	mioi parieis	and organious			amage fencing		апа сар
Confirm gates and doorways locked						orage contain		
5								



1

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 1 0	Level (off) 3 3 3 7 3	Level (on) 10 10 10 10 10	High-High 20 25 20 36 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 .

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 aph	72 - 75

### **Discharge Pumps**

Typical speed 30-100% Typical pressure 22 psi @ 100%

### 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

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

Notes:			
2			
	-		

Confirm gates and doorways locked

Staff: PH Date: 5-4-22

are to normal conditions. See Reverse side for typical operating param



Check status and compare to normal condition	ons. See Rever	se side f	or typical ope	rating parai	meters.			
HMI SCREENS			0-1 0/45				(7.7.1, 78.8	
Extraction Wells			Online (Y/N)	Auto	Manual	Flow (gpm)	Level (ft)	(psi)
Pump Status/Flow		EW-1			_//	<u> </u>	14.10	
Run pumps in "Manual" to confirm flow , if ne		EW-2	_Y	Y	_ ~	18.55	4,14	9,38
Confirm pumps are operating between setpoi		EW-3	Y	Y	_ <u> </u>	17,59	7.31	NA
Confirm pressure with pump cycling & not hig		EW-4	Y	_Y_		30.73	171	10.79
If pumps on, is water flowing into IPC (Y/N)?	_7	EW-5	<u> </u>		<i>N</i>	NA	6.68	NA_
Process - (Check if OK or fill in values)								
Chlorine Alarm status (on/off) A1_	NA	A2	NA		Auto rotate o	n/off		OW
If on - record chlorine concentration (ppm)	NA				Discharge pu	ump operating		V
Operate exhaust fan manually					Discharge pu	imp pressure n	ormal	
FT-801 reading (GPM)	26:38				Building tem	p accurate		V
Chemical rates normal for flow?					Mixers opera			
Catch tank display level=actual?					Other Alarms			1
Filtration (Check if OK)				LATE LUI				
Air compressor pressure in range					Solenoid sta	tus correct for o	neration	1/
Data (Check if OK)					Soleriola sta	ius correct for c	peration	
Do Daily & Yesterday Starts make sense		77.71			B 7 FT W			
Alarms				W2 90	1000	28 ( 1011 1/		
All Alarms Enabled (Y/N)	~							Section of the
List any disabled and indicate why	-	11	blad					
List any disabled and indicate why	Chloring	d. 9d	nec					
BUILDING/GROUNDS								
Air Compressor (Check if OK)	,				hagialijea.		CT 17 475	./
Cycle times normal for load	V.					o drain operatio		
Check oil level at least monthly						er - alarms? Cy		
Belt tension	V				HX fan op	erates with com	pressor?	
Unit Heaters (Check if OK)	/							
Thermostats set correctly (50-55 F)	V				Propane ta	ank level greate	r than 20%	V 25%
Heaters working	V							
IPC (Y/N)	1						THE PARTY OF	
IPC discharge clear?	V.				Check slud	dge ports (Slud	ge Y/N)	<u> </u>
Floatables? (take photos if yes)	$\mathcal{N}_{-}$				Indicate <sup>0</sup>	% of sludge	Upper	0
Coag visibly dosing?	У					ch port	Mid	80
Floc visibly dosing?	7_				at ca	on port	Lower	100
Chemical Feed (Fill in values)		W. B.						100
345 Sodium Permanganate Height (in)	27 m	A Signal	5.30	# of Full D	Drums Onsite	1		
2130 Coagulant Height (in)	15 Sti	oke Rate	e 15.2	# of Full D	Drums Onsite			
1668 Flocculant Volume (gal)	460 Sti	oke Rate	e 96	# of Full B	Bags Onsite	0		
Dosing pumps at normal rate?				Chemicals	s needed?	FIOC.		
Floor Sumps (Y/N)	1				111000		AT LESS	151 7 71
Sump levels normal?	1				Pump runs	but not emptyi	ng sump?	N
High-High level switches operate freely?	V (ch	neck mor	nthly)			ng after pump o		$\overline{}$
Excessive sludge/sediment?	N		• /				•	
	Thick Feed Pre	ess Feed	Floc Feed				No.74	S 10711 11
Proper operation/flow	V	1	V					
Regulators working properly	V	VI	V					
Exhaust mufflers	_	1/	1					
Filter Press (Check if OK)	,	~	Control of the last of the las	CATCOLL FIELD				870 V 1100
Hydraulic ram operating normally						Sorbent pads	renlaced?	N
Hydraulic pressure normal				н	ow many tota	I filled Haz drun	•	
Significant leaks?	<del>- X/</del>					ms filled & clos		-3
General/Housekeeping				1 1047 1	Haz alu	inica a cios	ou today :	
Wipe down dirty equipment/piping	./		Any leaks?	N		Waste drums	needed?	
Sweep and/or wash floors			nts working?	-0	=17	Drum labels		<del>\</del>
Fire extinguisher inspection (monthly)			ns working?	1/				<del>/</del>
	<del>\</del>	⊏xit sig	ns working?	7	<b>-</b> 5	Kemo\	ed trash?	_/V
Sludge in Clarifier Catch Tank?	/ V							
Grounds Mow/trim around building, structures, wells, h	hallarda casta	l popula	and cloops		Cloor	dy vocatation f	om evele-	and can
Mow/trim around building, structures, wells, the Shovel doorways, apply ice melt	Donards, Contro	paneis	and deanout	3		dy vegetation fr		anu cap
onover doorways, apply the meit					LOOK IOI O	amage fencing/	yaico	

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 1 0 1 Low-Low	Level (off) 3 3 3 7 3 Level (off)	Level (on) 10 10 10 10 10 10 Level (on)	High-High 20 25 20 36 20 High-High
Clarifier Catch Tank			Low-Low 0.5	Level (off) 1	Level (on) 2	High-High 3.25

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% Typical speed 22 psi @ 100% Typical pressure

Air compressor

operating range regulator setpoint 90-175 psi

90 psi

Auto drain

On 5 seconds every 5 minutes

Display shows "ESA/ON" with dew point level shown on bar scale. Dryer

Auto drain operates 5 seconds every minute

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

Blowdown	90 psi max			
Notes:			¥	
-				

#### Fort Edward Landfill - Weekly Operation and Maintenance Checklist PH Staff: Date: 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) (psi) Pump Status/Flow EW-1 Run pumps in "Manual" to confirm flow, if needed. EW-2 21.5 3-Confirm pumps are operating between setpoints EW-3 NA Confirm pressure with pump cycling & not high/low EW-4 If pumps on, is water flowing into IPC (Y/N)? EW-5 Process - (Check if OK or fill in values) Chlorine Alarm status (on/off) A2 Auto rotate on/off If on - record chlorine concentration (ppm) 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) niorine disabled List any disabled and indicate why **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) Upper Indicate % of sludge Coag visibly dosing? Mid at each port Floc visibly dosing? Lower Chemical Feed (Fill in values) 345 Sodium Permanganate 4,96 mA Signal # of Full Drums Onsite Height (in) Stroke Rate しらい 2130 Coagulant # of Full Drums Onsite 3/4 Height (in) 1668 Flocculant Stroke Rate # of Full Bags Onsite Volume (gal) Dosing pumps at normal rate? Chemicals needed? F100 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) Proper operation/flow Regulators working properly Exhaust mufflers Filter Press (Check if OK) 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?

Any leaks?

Lights working?

Exit signs working?

Sludge in Clarifier Catch Tank?

Grounds

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

General/Housekeeping

Sweep and/or wash floors

Wipe down dirty equipment/piping

Fire extinguisher inspection (monthly)

Confirm gates and doorways locked

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

Waste drums needed?

Drum labels needed?

Removed trash?



<b>Extraction Well</b>	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

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

Typical speed 30-100%
Typical pressure 22 psi @ 100%

### Air compressor

operating range

90-175 psi 90 psi

regulator setpoint 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

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

Blowdown	90 psi max		
Notes:			
		-	

Staff: PH JW Date: 5-17-22



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

Pump Status/Flow Run pumps in "Manual" to confirm flow , if needed.  Run pumps in "Manual" to confirm flow , if needed.  Confirm pumps are operating between setpoints  Confirm pressure with pump cycling & not high/low If pumps on, is water flowing into IPC (Y/N)?  Process - (Check if OK or fill in values)  Chlorine Alarm status (on/off)  A1	HMI SCREENS									
Pump Status-Flow Run pumps in 'Manual' to confirm flow, if needed Confirm prissure with pump cycling and highly to confirm prissure with pump cycling and highly and highly to confirm prissure with pump cycling and highly and	Extraction Wells			95. 95 I N	Online (Y/N)	Auto	Manual	Flow (gpm)	Level (ft)	(psi)
Run pumps in "Manual" to confirm flow, if needed Confirm pumps are operating between setpoints EM-2 Confirm pressure with pump cycling & not high/low EW-4 If pumps on, is water flowing into IPC (YNI)? EW-5 Confirm pressure with pump cycling & not high/low If pumps on, is water flowing into IPC (YNI)? EW-5 Process - Check if OK of Ifil in values Confirm pumps attack (notif) If on - record chlorine concentration (ppm) Coperate exhaust fam annually FT-801 reading (GPM) Chemical rates normal for flow? Catch tank display level=actual? Elitration (Check if OK) All compressor pressure in range Data (Check if OK) Do Daily & Yesterday Starts make sense Alarms All Alarms Enabled (YNI)  BUILDING/GROUNDS Air Compressor (Check if OK) Air compressor (Check if OK) Do Daily & Yesterday Starts make sense Alarms All Alarms Enabled (YNI)  BUILDING/GROUNDS Air Compressor (Check if OK) Themostates set correctly (50-55 F) Heaters working IPC (YNI) IPC discharge clear?	Pump Status/Flow	The second secon	ALCOHOLOGICA SPECT SALCOTICA	EW-1	N	N	N		MATERIAL PROPERTY OF THE COMME	SELECTION OF THE SECURE OF
Confirm pumps are operating between setpoints Confirm pressure with pump cycling a not highlylow If pumps on, is water flowing into IPC (YNI)? If pumps on, is water flowing into IPC (YNI)? If pumps on, is water flowing into IPC (YNI)? Process - Cifack I OK of III in values) Chlorine Alarm status (onoff) If on - record chlorine concentration (ppm) Operate exhaust fan manually F-801 reading (GPM) Chemical rates a cormal for flow? Cacht hank displey level-actual? Chlorine Alarms (YNI) Chemical rates a cormal for flow? Cacht hank displey level-actual? Filtration (Check II OK) All Compressor pressure in range Busil Check II OK) All Compressor pressure in range Busil Check II OK) All Alams Tanabade (YNI) List any disabled and indicate why  Bull LIDING/GROUNDS All Compressor (Check II OK) Cycle times normal for load Check oil loved at least monthly Belt tension Unit Heaters (Check II OK) Thermostats set correctly (50-55 F) Heaters working IPC (YNI) IPC Gischarge clear? Float bales? (Lake photos if yes) Coag visibly dosing? Flow visibly dosing? Flow visibly dosing? Flow sibily	Run pumps in "Manual" to confi	irm flow , if ne	eeded.		<u> </u>	<del>-</del> <del>/</del> <del>/</del> <del>/</del>	1/		77	
Confirm pressure with pump cycling & not highlylow   EW-4   Yes	Confirm pumps are operating be	etween setpo	oints	EW-3	7	-5/	//			
If pumps on, is water flowing into IPC (YNI)?  Process - Check If Ok of III in value)  Chlorine Alarm status (onorft)  Al	Confirm pressure with pump cy	cling & not hi	ah/low	EW-4		- <del>'</del>		2000	21.15	\3.11
Process - Check if OK or fill in values)  If on - record chlorine concentration (ppm) Operate exhaust a manually FF-801 reading (GPM) Chemical rates normal for flow? Catch tank display level-actual? Chemical rates normal for flow? Catch tank display level-actual? Chemical rates normal for flow? Catch tank display level-actual? Check if OK) Do bally & Yesteday Starts make sense Alarma Alarma Enabled (YN) List any disabled and indicate why List any disabled and indicate why List any disabled and indicate why Bull DING/GROUNDS Air Compressor (Check if OK) Cycle times normal for load Check dilevel at least monthly Bull times correct for operation Check dilevel at least monthly Bull the least own flow of the fill in values) Air Compressor (Check if OK) Cycle times normal for load Check dilevel at least monthly Bull the least own flow of the fill in values of the fill in value		-	· /	EW-5	4		- 1/		9.95	
Chlorine Alarm status (on/off) A1	No. of the Control of	NOT THE REAL PROPERTY AND ADDRESS OF THE PARTY	<b>.</b>			1			11.	
If on - record chlorine concentration (ppm) Operate exhaust fan manually FT-801 reading (GPM) Chemical rates normal for flow? Catch tank display level-actual? Filtration (Check if OK) Daily & Yesterday Starts make sense Alarms All Alarms Enabled (YN) List any disabled and indicate why  BUILDING/GROUNDS All Alarms Enabled (YN) List any disabled and indicate why  BUILDING/GROUNDS All Alarms Enabled (YN) List any disabled and indicate why  BUILDING/GROUNDS All Alarms (Check if OK) Cycle times normal for load Check dil level at least monthly Belt tension  Line and the start of the start		AND THE RESERVE OF THE SAME OF	NA	A2	NA		Auto rotate o	n/off		On
Operate exhaust fan manually F1=00 reading (GPM) Chemical rates normal for flow? Cacht hark display level-actual? Filtration (Check if OK) Do Daily & Yesterday Starts make sense Alarms All Alarms Enabled (Y/N) Do Daily & Yesterday Starts make sense Alarms All Alarms Enabled (Y/N) BUILDING/GROUNDS Air Compressor (Check if OK) Cycle times normal for load Check oil level at least monthly But tension Check of level at least monthly But tension Unit Heaters (Check if OK) Thermostals set correctly (50-55 F) Heaters working IPIC (Y/N) IPIC (Scharge clear? Flore visibly dosing? Flore visibly dosing? Chenck level photos if yes) Coag visibly dosing? Chenck level photos if yes) Coag visibly dosing? Chencial Feed (Fill in values) Add Sodium Permagnante Height (in) Check level at normal for load Check of sludge ports (Sludge Y/N) Indicate % of sludge Lower Chencial Feed (Fill in values) Add Sodium Permagnante Height (in) Chenck level greater than 20% Flore visibly dosing? Chencial Feed (Fill in values) Add Sodium Permagnante Height (in) Chenck sludge ports (Sludge Y/N) Flore visibly dosing? Chenck alto protect in values Add Sodium Permagnante Flore visibly dosing? Flore visibly dosing? Chenck alto protect in values Add Sodium Permagnante Flore visibly dosing? Flore vis		ation (ppm)	~							1/
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Significant leaks?  General/Housekeeping  Wipe down dirty equipment/piping  Sweep and/or wash floors  Lights working?  Fire extinguisher inspection (monthly)  Sludge in Clarifier Catch Tank?  Grounds  Mow/trim around building, structures, wells, bollards, control panels and cleanouts  Shovel doorways, apply ice melt  How many Haz drums filled & closed today?  Waste drums needed?  Drum labels needed?  Removed trash?  Clear woody vegetation from swales and cap  Look for damage fencing/gates		lly								
General/Housekeeping Wipe down dirty equipment/piping Sweep and/or wash floors Fire extinguisher inspection (monthly) Sludge in Clarifier Catch Tank?  Grounds Mow/trim around building, structures, wells, bollards, control panels and cleanouts Shovel doorways, apply ice melt  Any leaks? Lights working?  Exit signs working?  Exit signs working?  Clear woody vegetation from swales and cap Look for damage fencing/gates	-		-1/-				-			
Wipe down dirty equipment/piping  Sweep and/or wash floors  Lights working?  Fire extinguisher inspection (monthly)  Sludge in Clarifier Catch Tank?  Grounds  Mow/trim around building, structures, wells, bollards, control panels and cleanouts  Shovel doorways, apply ice melt  Waste drums needed?  Drum labels needed?  Removed trash?  Clear woody vegetation from swales and cap  Look for damage fencing/gates						How	many Haz dru	ıms tilled & clo	sed today?	_0_
Sweep and/or wash floors  Fire extinguisher inspection (monthly)  Sludge in Clarifier Catch Tank?  Grounds  Mow/trim around building, structures, wells, bollards, control panels and cleanouts  Shovel doorways, apply ice melt  Lights working?  Exit signs working?  Exit signs working?  Clear woody vegetation from swales and cap  Look for damage fencing/gates		ina	./		Any lastes	1		Mests de	aa naadad0	A .
Fire extinguisher inspection (monthly) Sludge in Clarifier Catch Tank?  Grounds  Mow/trim around building, structures, wells, bollards, control panels and cleanouts Shovel doorways, apply ice melt  Exit signs working?  Removed trash?  Clear woody vegetation from swales and cap Look for damage fencing/gates		ing				10	_			1
Sludge in Clarifier Catch Tank?  Grounds  Mow/trim around building, structures, wells, bollards, control panels and cleanouts Shovel doorways, apply ice melt  Clear woody vegetation from swales and cap Look for damage fencing/gates		onth!	Y		_	7				N
Grounds  Mow/trim around building, structures, wells, bollards, control panels and cleanouts Shovel doorways, apply ice melt  Clear woody vegetation from swales and cap Look for damage fencing/gates	_ ,			Exit sig	ns working?		_	Kem	oved trash?	10
Mow/trim around building, structures, wells, bollards, control panels and cleanouts  Clear woody vegetation from swales and cap Look for damage fencing/gates		Ī	<u>~</u>						SIA TELEVISION OF THE	
Shovel doorways, apply ice melt  Look for damage fencing/gates		ctures wells	hollards as-	ntrol papala	and classout	·c	Clearwa	dy vegetation	from ewolos	and car
			bollards, col	nuoi paneis	and cleanout	.5				and cap



<b>Extraction Well</b>		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

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

Typical speed 30-100% Typical pressure 22 psi @ 100%

### Air compressor

operating range

90-175 psi

regulator setpoint

90 psi

Auto drain Dryer On 5 seconds every 5 minutes

Disabella #504 (01)

Display shows "ESA/ON" with dew point level shown on bar scale.

Auto drain operates 5 seconds every minute

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

Biowdown	90 psi max			
Notes:				
			4.7	
		s, .		
30				
		·		

Confirm gates and doorways locked

Staff: _	PA	Date:	5-15-22
_			



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		$\mathcal{N}$			13,89	0
Run pumps in "Manual" to confirm flow, if neede				N	14.75	4,24	6.87
Confirm pumps are operating between setpoints			<u> </u>	$\mathcal{N}$	19.52	2.64	NA
Confirm pressure with pump cycling & not high/lo	ow EW-4	<u> </u>	Ÿ	$\mathcal{N}$	30.72	7.27	12,84
If pumps on, is water flowing into IPC (Y/N)?	<u> </u>	¥	9	N	NA	8,05	ŇÀ
Process - (Check if OK or fill in values)							
Chlorine Alarm status (on/off)  A1/	VA A2	NA		Auto rotate o	n/off		Ou
If on - record chlorine concentration (ppm)	<del></del>			Discharge pu	imp operating		$\overline{\nu}$
Operate exhaust fan manually	/			Discharge pu	imp pressure	normal	V
FT-801 reading (GPM)	5 3H			Building tem			1/
Chemical rates normal for flow?	7			Mixers opera			1/
Catch tank display level=actual?	<del>/-</del>			Other Alarms	-		N
Filtration (Check if OK)				Other Marine			
Air compressor pressure in range	1			Salanaid stat	us correct for	operation	
			990 VII. 1 1 A. 1 A. 1 A. 1 A. 1 A. 1	Soleriola sta	tus correct for	operation	
Data (Check if OK) Do Daily & Yesterday Starts make sense	/						V v
Alarms	V						
	1						
All Alarms Enabled (Y/N)	<u> </u>	1.1					
List any disabled and indicate why	Marine Giga	Wed.					
BUILDING/GROUNDS							
Air Compressor (Check if OK)							
Cycle times normal for load				Check auto	drain operati	on	V
Check oil level at least monthly	<del>/</del>				er - alarms? C		1/
Belt tension	<del>/</del>				erates with cor	, ,	0
Unit Heaters (Check if OK)				TIX Tall Ope	rates with cor	iipiessoi :	
Thermostats set correctly (50-55 F)				Propage to	ink level great	or than 20%	77(1.
Heaters working	<del>/</del>			Propane ta	ilik level great	ei illali 20%	75900
IPC (Y/N)				1914 of the transfer			
IPC discharge clear?				Chock sluc	lao porte (Slu	dae V/NI)	V
Floatables? (take photos if yes)	<del>//</del>			Check sluc	ige ports (Slud		10
Coag visibly dosing?	<u>/</u>			Indicate 9	% of sludge	Upper	0
Floc visibly dosing?	<del></del>			at ea	ch port	Mid	75
BEILE TOTAL PRODUCTION OF THE PRODUCT OF THE PRODUC				de describinations		Lower	10
Chemical Feed (Fill in values) 345 Sodium Permanganate Height (in) 26	MA Signal	5701	# of Full D	rums Onsite	1		
		520		rums Onsite			
3()					- 0		
1668 Flocculant Volume (gal) 309 Dosing pumps at normal rate?	Stroke Rate	105	# of Full Ba	_	A CONTRACTOR		
Floor Sumps (Y/N)			Chemicals	needed?	Flog Co	009	
Sump levels normal?				D		·i	
	/ (abaaluma	41-1-3			but not empty		N
High-High level switches operate freely?	(check mor	ntnly)		Back flowing	ng after pump	cycle?	$\sim$
Excessive sludge/sediment?							e commence de la descripción de la commencia d
\$2000 No. 1 APPRILAD NO. 10 APPRILAD NO. 1 APPRILAD	k Feed Press Feed	Floc Feed					
Proper operation/flow	V V						
Regulators working properly	V						
Exhaust mufflers	VV	/			CONTRACTOR	a filter spate or	W 1002 CO
Filter Press (Check if OK)	1						,
Hydraulic ram operating normally	$\nu_{\perp}$				Sorbent pads		N
Hydraulic pressure normal	V		Ho	w many total	filled Haz dru	ms onsite?	9
Significant leaks?	<u> </u>		How n	nany Haz dru	ms filled & clo	sed today?	_1
General/Housekeeping	1				100		
Wipe down dirty equipment/piping	V/	Any leaks?	N		Waste drum	ns needed?	N
Sweep and/or wash floors	Ligh	ts working?	4			ls needed?	N
Fire extinguisher inspection (monthly)	and the same of th	ns working?	Ÿ	•		oved trash?	N
Sludge in Clarifier Catch Tank?	N	J					
Grounds	'X'				74		
Mow/trim around building, structures, wells, bolla	ards, control panels	and cleanouts	S	Clear woo	dy vegetation	from swales	and cap
Shovel doorways, apply ice melt					amage fencing		-

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

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

Typical speed 30-100% Typical pressure 22 psi @ 100%

### Air compressor

operating range

90-175 psi 90 psi

regulator setpoint

On 5 seconds every 5 minutes

Auto drain Dryer

Display shows "ESA/ON" with dew point level shown on bar scale.

Auto drain operates 5 seconds every minute

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

Blowdown	90 psi max			
Notes:				
			V 2	
. 1	7		-	

Shovel doorways, apply ice melt

Confirm gates and doorways locked

Staff: PH, CC, JM, TW Date: 5-24-22



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 _/_			_0_	13,45	
Run pumps in "Manual" to confirm flow , if	needed.	EW-2		N	22.15	4.16	5.97
Confirm pumps are operating between set		EW-3 /	<u> </u>	_ <i>N</i>	15,75	4.24	NA
Confirm pressure with pump cycling & not	high/low	EW-4	<u> </u>		3038	7.78	11.07
If pumps on, is water flowing into IPC (Y/N	)?	EW-5	(9	N	NA	7,57	. NA
Process - (Check if OK or fill in values)	- /					161	
Chlorine Alarm status (on/off) A	1 NA	A2/\(\int_{\ell}\)	A	Auto rotate of	on/off		01
If on - record chlorine concentration (ppm)				Discharge p	ump operating		
Operate exhaust fan manually	V			Discharge p	ump pressure i	normal	V
FT-801 reading (GPM)	21,26			Building tem	p accurate		1/
Chemical rates normal for flow?				Mixers opera	ating?		
Catch tank display level=actual?	1/			Other Alarm	•		$\sim$
Filtration (Check if OK)							
Air compressor pressure in range	/			Solenoid sta	itus correct for	operation	1/
Data (Check if OK)				COICHOID Sta	itas correct for	operation	
Do Daily & Yesterday Starts make sense	/						The second second second
Alarms							A SECTION AND A
All Alarms Enabled (Y/N)	N			experience and the second of the second			Service Service Control of Service
List any disabled and indicate why	Chl	rine disable	od.				
ziot any disastica ana maisate miy	CVICO	THE ATTOON	(				
BUILDING/GROUNDS							
Air Compressor (Check if OK)						STATE OF THE PARTY	
Cycle times normal for load	1			Check aut	to drain operati	on	1
Check oil level at least monthly	1/				er - alarms? C		1
Belt tension					erates with cor		<del>\</del>
Unit Heaters (Check if OK)				Tip (Idii) Op			
Thermostats set correctly (50-55 F)	1			Propane t	ank level great	er than 20%	V 159
Heaters working	<del></del>			i ropano i	ann lover groun		
IPC (Y/N)	V						<b>国际企业企业</b>
IPC discharge clear?				Check slu	dge ports (Sluc	dge Y/N)	<b>*</b>
Floatables? (take photos if yes)	- 1					Upper	0
Coag visibly dosing?	-/0			Indicate	% of sludge	Mid	100
Floc visibly dosing?	<del>-</del>			at ea	ach port	Lower	100
BUT THE STATE OF T						EOWE!	100
Chemical Feed (Fill in values) 345 Sodium Permanganate Height (in)	253/4	mA Signal 5.2	(a) # of Fu	Il Drums Onsite			
				Il Drums Onsite			
		0: 1 5 :		Il Bags Onsite	-6		
(3	ai) 390	Stroke Rate 10	- /	cals needed?	Chadula	nt. Floc	
Dosing pumps at normal rate?			Onemia	cais needed:		11,1100	
Floor Sumps (Y/N) Sump levels normal?	V			Pump run	s but not empt	vina sumn?	N
		(check monthly)			ing after pump		1
High-High level switches operate freely?		(check monthly)		Dack now	ing after pump	Cycle !	/0
Excessive sludge/sediment?  Diaphragm pumps (Check if OK)	Thick Feed	Press Feed Floc F	-ood	esta per se atore de la			
Proper operation/flow	Thick Feed	Press reed Floor	C				
	1/	<del></del>	<del></del>				
Regulators working properly Exhaust mufflers	-V	<del></del>	<del>/-</del>				
							100 miles (100 miles)
Filter Press (Check if OK)	1/				Sorbent pad	replaced?	N
Hydraulic prossure permal	<del></del>			How many total	al filled Haz dru		(2)
Hydraulic pressure normal	- 1/-		Ца	w many Haz dr			-
Significant leaks?			HC	w many maz dr	uma mieu & Cic	ocu loudy?	
General/Housekeeping	./	Anvilo	oke?		Waste drun	ne needed?	. /
Wipe down dirty equipment/piping		Any lea				els needed?	
Sweep and/or wash floors	<del></del>	Lights work					<u> </u>
Fire extinguisher inspection (monthly)	<u></u>	Exit signs work	king?		Rem	oved trash?	_//
Sludge in Clarifier Catch Tank?						THE REPORT OF THE PARTY.	
Grounds				Olasa	adu vagatatian	from overler	and acr
Mow/trim around building, structures, wel	is, bollards, co	ontrol panels and cle	eanouts	Clear wo	ody vegetation	ITOTTI SWales	and cap

Look for damage fencing/gates

Confirm storage container locked



Extraction Well EW-1	Flow (gpm) 20	Pressure (psi) 4.5	Low-Low	Level (off)	Level (on) 10	High-High 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	14.		0.5	1	2	3.25

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

Typical speed 30-100%
Typical pressure 22 psi @ 100%

Air compressor

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 PSI Range 40 psi max 90 psi max

Floc feed pump

Filter press hyd pump

Blowdown

40 psi 90 psi max

Notes:

	_/		
_ Sodium Permanganatee - @16.	35 - 25 78		
Floc @ 1645 - 475gal			
		Į.	
		j.	
	<del></del>		
			1

Shovel doorways, apply ice melt

Confirm gates and doorways locked

A11-		
Staff:	Date:	05-25-22



HMI SCREENS Extraction Wells	Online (Y/N)	Auto Manu	al Flow (gpm) Level (	ft) (nci)
Pump Status/Flow	EW-1 N	Auto Manu	ratio ranno manda estrano co co estrando latra abalida sun constalhas.	and an extra construction of the construction
Run pumps in "Manual" to confirm flow , if needed.	EW-2	N N	1397	
Confirm pumps are operating between setpoints	EW-3	<del>-</del>	19.03 8.6	7 NA
Confirm pressure with pump cycling & not high/low	EW-4	3 /	30.31 7.2	0 1109
If pumps on, is water flowing into IPC (Y/N)?	EW-5	7 /	NA X	02 NA
Process - (Check if OK or fill in values)		-Y - IV		
Chlorine Alarm status (on/off)  A1	A2 1/1	Auto rota	te on/off	Ch.
If on - record chlorine concentration (ppm)	- ~ : 1/4		e pump operating	on
(17)	<del>-</del> /			
Operate exhaust fan manually	24	-	e pump pressure normal	-V
FT-801 reading (GPM)	<u> </u>	•	temp accurate	
Chemical rates normal for flow?	_		perating?	<u> </u>
Catch tank display level=actual?	_	Other Al	arms (Y/N)	<u>~</u>
Filtration (Check if OK)				
Air compressor pressure in range		Solenoid	status correct for operatio	n /
Data (Check if OK)				
Do Daily & Yesterday Starts make sense				
All Alarms				
All Alarms Enabled (Y/N)	James Lieubled			
List any disabled and indicate why	Harine disolved			
BUILDING/GROUNDS				
Air Compressor (Check if OK)				
Cycle times normal for load		Check	auto drain operation	. /
Check oil level at least monthly	_		dryer - alarms? Cycling?	-
Belt tension	_		operates with compressor	n —
Unit Heaters (Check if OK)		TIX IBI	operates with compresso	·
Thermostats set correctly (50-55 F)		Propa	ne tank level greater than 2	20% 75
Heaters working	<del>-</del>	Пора	le tank level greater than 2	2070
IPC (Y/N)		9.5		
IPC discharge clear?		Check	sludge ports (Sludge Y/N)	V
Floatables? (take photos if yes)	_		Upr	
Coag visibly dosing?			ate % of sludge	Mid 100
Floc visibly dosing?	_	a	t each port	10
Chemical Feed (Fill in values)				10. 100
345 Sodium Permanganate Height (in) 25 1/4	MA Signal # 16	# of Full Drums On	site 1	
2130 Coagulant Height (in)		# of Full Drums On		
1668 Flocculant Volume (gal) 460	Stroke Rate 12.1	# of Full Bags Onsi		
Dosing pumps at normal rate?	- Choice Made	Chemicals needed		+
Floor Sumps (Y/N)			- included and	/
Sump levels normal?		Pump	runs but not emptying sum	np?
High-High level switches operate freely?	(check monthly)		lowing after pump cycle?	1
Excessive sludge/sediment?				
Diaphragm pumps (Check if OK)  Thick Fee	d Press Feed Floc Feed			
Proper operation/flow	V. V			
Regulators working properly	- V, Y			
Exhaust mufflers	- V - 7			
Filter Press (Check if OK)				3.172
Hydraulic ram operating normally			Sorbent pads replace	ed? A)
Hydraulic pressure normal	-	How many	total filled Haz drums onsi	
Significant leaks?	-		drums filled & closed toda	
General/Housekeeping	4 12 2			
Wipe down dirty equipment/piping	Any leaks?	N	Waste drums neede	ed? //
Sweep and/or wash floors	Lights working?	9	Drum labels neede	
Fire extinguisher inspection (monthly)	Exit signs working?	<del>-</del>	Removed tras	
Sludge in Clarifier Catch Tank?			, tomo roa trac	//
Grounds				

Look for damage fencing/gates

Confirm storage container locked



Extraction Well EW-1	Flow (gpm) 20	Pressure (psi) 4.5	Low-Low	Level (off)	Level (on) 10	High-High 20
			2	3	10	
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

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 .

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1668 Flocculant	0.20%	100	2.47 gph	72 - 75

### **Discharge Pumps**

Typical speed 30-100%
Typical pressure 22 psi @ 100%

#### Air compressor

operating range

90-175 psi 90 psi

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

Filter press hyd pump
Blowdown 90 psi max

Notes:

Staff:	PH	Date:	5-31-	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	$\mathcal{N}$	1/	N.	0.62	13,94	0
Run pumps in "Manual" to confirm flow , if n		EW-2	¥	Ÿ	$\sim$	20.64	926	10,83
Confirm pumps are operating between setpo	oints	EW-3	V	Y	N	19.29	9,27	NĂ
Confirm pressure with pump cycling & not h		EW-4	Y	ť	N	78.31	7.04	10,99
If pumps on, is water flowing into IPC (Y/N)	? 7	EW-5	7	4	$\sim$	NA	9,89	NA
Process - (Check if OK or fill in values)								
Chlorine Alarm status (on/off) A1	NA	A2	NA		Auto rotate o	n/off		On
If on - record chlorine concentration (ppm)					Discharge pu	mp operating		1/
Operate exhaust fan manually	V					mp pressure		-,/
FT-801 reading (GPM)	7230				Building temp			V
Chemical rates normal for flow?	1				Mixers opera			-
Catch tank display level=actual?					Other Alarms	-		$\overline{\lambda}$
Filtration (Check if OK)					Other Alaims			10
					Colonaid stat			. /
Air compressor pressure in range		EN ENTERSCHIEDLESSE SUME			Solenoid stat	us correct for	operation	
Data (Check if OK)	/							
Do Daily & Yesterday Starts make sense	-		entratura e regiones ens	1870a (DESPRESS)	en er steint sig begreicht steint.	TO CONTRACTOR STATE	BONES CONTRACTOR AND ADMINISTRA	
All Alerma Freehed (V/Al)	N							
All Alarms Enabled (Y/N)		h.a. 16	abled					
List any disabled and indicate why	Chlo	rine dis	USIEU					
PLUI DING/GROUNDS								
BUILDING/GROUNDS						Control of Printed State Control		
Air Compressor (Check if OK)	1				Ohad			. ,
Cycle times normal for load						drain operati		
Check oil level at least monthly					•	er - alarms? C	, ,	
Belt tension					HX fan ope	erates with con	mpressor?	
Unit Heaters (Check if OK)					<u> </u>			
Thermostats set correctly (50-55 F)					Propane ta	nk level great	er than 20%	7500
Heaters working				0.000 ma.com to supress 8000		Tala Seria na managana ang managana		
IPC (Y/N)								
IPC discharge clear?					Check slud	lge ports (Slu		9
Floatables? (take photos if yes)					Indicate %	6 of sludge	Upper	0
Coag visibly dosing?	<u> </u>					ch port	Mid	100
Floc visibly dosing?					at ou	on port	Lower	100
Chemical Feed (Fill in values)								
345 Sodium Permanganate Height (in)	25	mA Signal	5.11	# of Full D	Orums Onsite			
2130 Coagulant Height (in)	23.14	Stroke Rate		# of Full D	Orums Onsite	0		
1668 Flocculant Volume (gal	1990	Stroke Rate	112	# of Full E	Bags Onsite	()		
Dosing pumps at normal rate?				Chemical	s needed?	Floc. Co	roau lant	
Floor Sumps (Y/N)								
Sump levels normal?	V				Pump runs	but not empt	ying sump?	N
High-High level switches operate freely?	V, .	(check mon	thly)		Back flowing	ng after pump	cycle?	N
Excessive sludge/sediment?	V							
Diaphragm pumps (Check if OK)	Thick Feed	Press Feed	Floc Feed					
Proper operation/flow	~	V	./.					
Regulators working properly	V/		1/6					
Exhaust mufflers	V		1/					
Filter Press (Check if OK)						March Level		
Hydraulic ram operating normally	V					Sorbent pads	s replaced?	N
Hydraulic pressure normal	1//			Н	ow many total			ŧ.
Significant leaks?	1/				many Haz dru			Ò
General/Housekeeping	-V,							
Wipe down dirty equipment/piping	1.		Any leaks?	N		Waste drun	ns needed?	N
Sweep and/or wash floors	1//		ts working?	<u></u>	-		els needed?	$\sim$
Fire extinguisher inspection (monthly)	V	_	s working?	7	-		oved trash?	N
Sludge in Clarifier Catch Tank?	<del>\</del>	_AR Orgi			-	1.0111		-/-
Grounds	The state of the s							
Mow/trim around building, structures, wells,	hollards or	ontrol papele	and cleanout	8	Clear woo	dy vegetation	from swales	and can
Shovel doorways, apply ice melt	, Donardo, CC	millor pariets o	and dieanout			amage fencing		and dap
Confirm gates and doorways locked						orage contain		
Committi gates and doorways locked					Committee	orage contain	ei locked	



<b>Extraction Well</b>		-	Flow (gp	m)	Pressure (psi)	Lo	v-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
						Lo	w-Low	,	Level (off)	Level (on)	High-High
Clarifier Catch Tan	k						0.5		1	2	3.25

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

Typical speed 30-100%
Typical pressure 22 psi @ 100%

### Air compressor

operating range

90-175 psi

regulator setpoint

90 psi On 5 seconds every 5 minutes

Auto drain Dryer

Display shows "ESA/ON" with dew point level shown on bar scale.

Auto drain operates 5 seconds every minute

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

Blowdown	90 psi max			
Notes:				
			12 miles	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		2. 7		
			V	

# **ATTACHMENT C**

**Waste Disposal Documents** 

	VASTE MANIFEST	NYR00023	erial change has occurre	1 2. Page 1 of 1	(800) 483-3	se Phone	4. Manifes	t Tracking	Number	. OMB No	0. 2050-00
H	5 Leavy Hollow Udson Falls, NY erator's Phone: (518) ransporter 1 Company Na	Ward Landfill Lane (12839	N:Jasmine Mullins	G	enerator's Site Addres	118		65'	Number 3156	6	FLE
C	lean Harbors E	nvironmental Servi	ces, Inc.		1		U.S. EPA ID	Number			
7. Tra	ransporter 2 Company Na	ime		_	-		U.S. EPAID	039	3222	250	
8. De	esignated Facility Name a	and Site Address	Share San				I .S. EPAID	Number			
St 48 Ci Facili	oring Grove Res 879 Spring Gro incinnati, OH 4! lity's Phone:	source Recovery In ve Avenue 5232 (513) 681-5738					O H D		8166	29	
9a. HM	9b. U.S. DOT Descrip and Packing Group (if	otion (including Proper Shipping fany))	Name, Hazard Class, ID Number,		10. Conta		11. Total	12. Unit	13	Waste Co	des
5	1.RQ, UN3432	, POLYCHLORINAT	ED BIPHENYLS, SOL	ID 9 PG II	No.	Туре	Quantity	Wt./Vol.		114310 00	1
X	2.				1207	DM	1.638	k	B007		
	- 1400 30							100			
General 16. Intermediate 17. Transport	onty on Initial trans GENERATOR'S/OFFER marked and labeled/place Exporter, I certify that the I certify that the vaste mirrator's/Offeror's Printed/Ty ternational Shipments porter signature (for expo- ansporter Acknowledgmer orter 1 Printed/Typed Na	Sporter to add or substance and Additional Information ERG#171  Sporter to add or substance and and are in all respects in contents of this consignment contents of this consignment of the substance and a substance and the substa	citute additional transport by declare that the contents of this proper condition for transport acc onform to the terms of the attache in 40 CFR 262.27(a) (if I am a larg  A NYSDEE	s consignment are cording to applicable of EPA Acknowledge quantity general Signate Si	fully and accurately de international and nat ment of Consent. or) or (b) (if I am a smire Port of er Date leavere	escribed abovernal governal quantity grant bc	ve by the proper st mental regulations	hipping names. If export s	clency.cor ne, and are cla hipment and I	assified, part am the Proonth D	ce or sackaged, rimary
General 16. Intermediate Transport	office of the control	Sporter to add or substance and Additional Information ERG#171  Sporter to add or substance and and are in all respects in contents of this consignment contents of this consignment of the substance and a substance and the substa	by declare that the contents of this proper condition for transport acconform to the terms of the attache in 40 CFR 262.27(a) (if I am a larger ANYS DEC	s consignment are coording to applicable de EPA Acknowledge e quantity general Signate Signate Lawrence Coording to the Coordinate Coordinate Coordinate Coordinate Coordinate Coordinate Coordinate Coordinate Coordinate Co	fully and accurately de international and nat ment of Consent. or) or (b) (if I am a smire Port of er Date leavere	escribed abovernal governal quantity grant bc	ve by the proper si mental regulations enerator) is true.	hipping names. If export s	clency.cor ne, and are cla hipment and I	assified, part am the Proonth D	ce or sacaged, rimary
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Clean Harbors has the appropriate permits for and will accept

# TSCA MANIFEST CONTINUATION FORM

MANIFEST NUMBER: 016631566 FLE GENERATOR NAME: NYSDEC FORT Educat Landfill

ADDRESS: 45 Leavy Hollow Lane Hudson Falls, NY

EPA ID NUMBER: NY D 000235424

N U I M T B E E M R	Type/ Description  Filte/ Sluter	Serial No. or Other ID No.	Date of Removal From Service For Disposal	Volume (gallons) or Weight (kilograms)
2 3 3 4 5 6 6	Filter Gludge Filter Gludge Filter Gludge Filter Gludge Filter Gludge	DEC05242202 DEC05242203 DEC05242204 DEC05242205 DEC05242205	H-12-22 H-26-22 5-4-22 H-5-22 H-5-22	182k 182k 182k 182k
77888	Filter Sludge Filter Sludge	DE CO5 2422 08 DE CO5 2422 09	3-22-22	182k 182k

## **NOTES**

- 1. Type/Description: Brief description of the unit such as:
  - (iii) Bulk Liquid/Solid (tanker or rolloff) (i) Transformer ( > 500 ppm or < 500 ppm) (ii) Capacitor
  - (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. COPY>1: DESTINATION STATE-MAILED BY TSDE

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 YORKI

Generator Name: NYSDEC Fort Edward Landfill
EPAID No. NYR00023R424

Signature: Colby Church 11 on behalf of NYSDEC

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.

[]B002 []B003 []B004 [1B005 Check all which apply: []B001

[1B006\* (see below)

M B007\* (see below)

- Generators are required to certify that their B006 and/or B007 waste can be land disposed in accordance with 40 CFR 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. M 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."

# **TABLES**



Lasation	Influent	Clarifier Catch	Call 2 Pyraca	Cell 2 Effluent	Fort Edward SPDES	Polishing Pond
Location	innuent	Clariller Catch	Cell 3 Bypass	Cell 2 Elliuent		Effluent
Date	5/24/2022	5/24/2022	5/24/2022	5/24/2022	Equivalency Permit Limit	5/24/2022
Volatile Organic Compounds (μg/L)	3/24/2022	3/24/2022	3/24/2022	3/24/2022	Permit Limit	3/24/2022
	50 U	50 II	FO 11	FO 11		FO 11
ACETONE BENZENE		50 U 1.0 U	50 U	50 U		50 U
	1.0 U		1.0 U	1.0 U		1.0 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U
BROMOFORM	1.0 U	1.0 U 2.0 U	1.0 U	1.0 U		1.0 U
BROMOMETHANE	2.0 U		2.0 U	2.0 U		2.0 U
2-BUTANONE (MEK)	20 U	20 U	20 U	20 U		20 U
CARBON DISULFIDE	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U
CARBON TETRACHLORIDE	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U
CHLOROBENZENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U
CHLOROETHANE	2.0 U	2.0 U	2.0 U	2.0 U	20	2.0 U
CHLOROFORM	2.0 U	2.0 U	2.0 U	2.0 U	150	2.0 U
CHLOROMETHANE	2.0 U V-05	2.0 U V-05	2.0 U V-05	2.0 U V-05		2.0 U V-05
CYCLOHEXANE	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U
1,2-DIBROMO-3-CHLOROPROPANE	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5 U	0.5 U	0.5 U	0.5 U		0.5 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	2.0 U	2.0 U	2.0 U	2.0 U		2.0 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	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U		0.5 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	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U
ETHYLBENZENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
2-HEXANONE	10 U	10 U	10 U	10 U		10 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	5.0 U	5.0 U	5.0 U	5.0 U	50	5.0 U
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	10 U	10 U	10 U	10 U		10 U
STYRENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
1,1,1,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U		0.5 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	1.6	1.0 U		1.0 U
1,2,4-TRICHLOROBENZENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
1,1,1-TRICHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
1.1.2-TRICHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
TRICHLOROETHENE (TCE)	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
TRICHLOROFLUOROMETHANE	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
VINYL CHLORIDE	2.0 U	2.0 U	2.0 U	2.0 U	50	2.0 U
XYLENES, TOTAL	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
TOTAL VOCs	ND	ND	1.6	ND		ND
101/12 7000	I 110	110	1.0	110		1 110

### 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.

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

V-05 - Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side.



Location	Influent	Clarifier Catch	Cell 3 Bypass	Cell 2 Effluent	Fort Edward SPDES Equivalency	Polishing Pond Effluent
Date	5/24/2022	5/24/2022	5/24/2022	5/24/2022	Permit Limit	5/24/2022
Polychlorinated Biphenyls (μg/L)						
PCB-1016 (AROCLOR 1016)	0.135 J	0.134 J	0.196 U	0.194 U		0.196 U
PCB-1221 (AROCLOR 1221)	0.19 U	0.198 U	0.196 U	0.194 U		0.196 U
PCB-1232 (AROCLOR 1232)	0.19 U	0.198 U	0.196 U	0.194 U		0.196 U
PCB-1242 (AROCLOR 1242)	0.19 U	0.198 U	0.196 U	0.194 U		0.196 U
PCB-1248 (AROCLOR 1248)	0.19 U	0.198 U	0.196 U	0.194 U		0.196 U
PCB-1254 (AROCLOR 1254)	0.19 U	0.198 U	0.196 U	0.194 U		0.196 U
PCB-1260 (AROCLOR 1260)	0.19 U	0.198 U	0.196 U	0.194 U		0.196 U
Metals (mg/L)						
ALUMINUM	0.05 U	1.3	0.05 U	0.056		0.05 U
ANTIMONY	0.05 U	0.05 U	0.05 U	0.05 U		0.05 U
ARSENIC	0.01 U	0.01 U	0.01 U	0.01 U	0.15	0.01 U
BARIUM	0.05 U	0.05 U	0.05	0.05 U	3.5	0.05 U
BERYLLIUM	0.004 U	0.004 U	0.004 U	0.004 U		0.004 U
CADMIUM	0.004 U	0.004 U	0.004 U	0.004 U	0.001	0.004 U
CALCIUM	81	81	89	95		82
CHROMIUM, TOTAL	0.01 U	0.01 U	0.01 U	0.01 U	0.21	0.01 U
COBALT	0.01 U	0.01 U	0.01 U	0.01 U	0.005	0.01 U
COPPER	0.01 U	0.017	0.01 U	0.01 U	0.024	0.01 U
IRON	8.5	3.8	8.3	7.2	0.3	1.8
LEAD	0.01 U	0.01 U	0.01 U	0.01 U	0.0032	0.01 U
MAGNESIUM	19	19	17	16		18
MANGANESE	1.5	1.5	3.0	1.0		1.1
MERCURY	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0008	0.0001 U
NICKEL	0.01 U	0.01 U	0.01 U	0.01 U	0.0096	0.01 U
POTASSIUM	2.2	2.4	5.2	3.6		2.5
SELENIUM	0.05 U	0.05 U	0.05 U	0.05 U		0.05 U
SILVER	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U
SODIUM	47	47	37	33		39
THALLIUM	0.05 U	0.05 U	0.05 U	0.05 U		0.05 U
VANADIUM	0.01 U	0.01 U	0.01 U	0.01 U	0.014	0.01 U
ZINC	0.027	0.047	0.01 U	0.01 U	0.17	0.01 U
Conventional Chemistry (mg/L)						
TOTAL DISSOLVED SOLIDS	420	500	610	510	500	440
TOTAL SUSPENDED SOLIDS	9.4	6.8	33	2.3	50	2.3

### Notes:

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### Definitions:

mg/L - milligrams per liter.

μg/L - micrograms per liter.

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



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