

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

Subject:

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

Date:

May 17, 2022

www.arcadis.com

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 March 2022 reporting period at the above-referenced site.

Phone:

Fmail:

518.250.7300

andy.vitolins@arcadis.com

Our ref: 30055713

LEACHATE COLLECTION AND TREATMENT SYSTEM OPERATION AND MAINTENANCE

System Performance

A total of 643,522 gallons of leachate were collected and treated through the system during March 2022. The monthly average total leachate recovery rate for leachate extraction wells EW-2, EW-3, and leachate collection well EW-4 was approximately 14.4 gallons per minute (gpm).

System Operation Summary

During each site visit, Arcadis personnel completed a NYSDEC Daily Inspection Report (Attachment A) to summarize site conditions and work performed. A Arcadis Weekly O&M Log (Attachment B) was completed to record system readings and document system performance.

NYSDEC Site No. 558001 Payson Long May 17, 2022

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

- Iron and solids sludge processing was performed throughout the month. Three 55-gallon drums of Filter Sludge were generated during March 2022.
- Adjusted sodium permanganate pump dosing settings to further decrease flowrate of the pump.
- Based on decreased flow rates, the leachate collection well EW-4 pump was removed, cleaned, and diagnosed. A section of wiring on the primary EW-4 pump was damaged thus the maintenance pump was connected to the pitless adapter and variable frequency drive (VFD).
- Replaced the air compressor regulator, pressure switch and relief valve, and check valve.
- Collected routine monthly and quarterly treatment system samples.
- Conducted Water Supply sampling in the surrounding area of the site for emerging contaminants
 perfluorinated alkyl substances and 1,4-dioxane. Details of this sampling event will be provided within
 the Water Supply Sampling Report.

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

SYSTEM SAMPLING

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

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

Samples were also collected from extraction wells EW-1, EW-2, EW-3, leachate collection well EW-4, and Cell 1 Effluent (treatment Cell 1 discharge into the effluent collection chamber). Samples from these locations are collected on a guarterly basis and will be sampled again in the second guarter of 2022.

The monthly and quarterly samples were submitted to Pace Analytical for analysis of Volatile Organic Compounds (VOCs), polychlorinated biphenyls (PCBs), metals, 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 March 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 and conventional chemistry. Iron exceeded the Fort Edward SPDES Permit Limit at the Polishing Pond Effluent sampling location. Additional details of the system analytical results are provided below.

VOCs

As shown in Table 1, VOCs were detected in the EW-1, EW-2, and EW-3 samples. VOCs were not detected in the remaining seven samples at concentrations greater than the compound quantitation limit.

PCBs

PCB Aroclor 1242 was detected in the EW-1 (541 micrograms per liter $[\mu g/L]$) and EW-2 (2.0 $\mu g/L$) samples during the March 2022 sampling event. There were no PCBs detected in the Polishing Pond Effluent sample during the March 2022 sampling event. The Fort Edward SPDES Equivalency Permit does not include a limit for PCBs.

Metals

Iron concentrations ranged from a maximum of 59.4 milligrams per liter (mg/L) (EW-2) to a minimum of 0.127 mg/L (Cell 1 Effluent). The Polishing Pond Effluent iron concentration of 0.945 mg/L exceeded the Fort Edward SPDES Equivalency Permit Limit of 0.3 mg/L. There were no other metal concentrations which exceeded the Fort Edward SPDES Equivalency Permit Limits in March 2022. Additional metal concentrations are shown on Table 1.

Conventional Chemistry

As shown on Table 1, TDS concentrations ranged from 386 mg/L (Polishing Pond Effluent) to 765 mg/L (EW-1), and TSS concentrations ranged from non-detect in multiple samples to 66 mg/L (EW-1). 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 April 2022:

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

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

Sincerely,

Arcadis of New York, Inc.

Andy Vitolins, P.G. Vice President

Copies:

Jeffrey Dyber, NYSDEC Jeremy Wyckoff, P.G., Arcadis NYSDEC Site No. 558001 Payson Long May 17, 2022

Jasmine Mullins, E.I.T., Arcadis Todd Carignan, Arcadis File

Enclosures:

Attachment A – NYSDEC Daily Inspection Reports

Attachment B – Arcadis Weekly O&M Logs

Table 1 – March 2022 Treatment System Analytical Data

ATTACHMENT A NYSDEC Daily Inspection Reports

NYSDEC

Division of Environmental Remediation





NYSDEC Contract No. D009804

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Date: _3/1/2022_

Consultant Site Inspectors: Patrick

Harrington, Colby Churchill,

Rachael Thomas

Site Location: Hudson Falls, New York

Weather Conditions				
General Description	Cloudy	AM	Rain	PM
Temperature	20 °F	AM	30 °F	PM
Wind	9 MPH S	AM	10 MPH SE	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:	0845	Departed Site:	2000
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- Added hydraulic fluid to the Filter Press due to low hydraulic fluid levels.
- Gauged sludge levels in EW-4.
- Repeatedly transferred sludge from the Inclined Plate Clarifier (IPC) to the Thickener Tank.
- Completed blowdown, cake discharge, and subsequent prefill of the Filter Press.
- Performed routine housekeeping and chemical inspection within the Treatment System Building.
- Calibrated Horiba water quality meter prior to water supply sampling.
- Visited residences to schedule water supply sampling.
- Determined well pump at 29 Wolf St. is inoperable and therefore will not be sampled.

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	11.25
Colby Churchill	Arcadis	Engineer	8.2
Rachael Thomas	Arcadis	Engineer	8.2

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

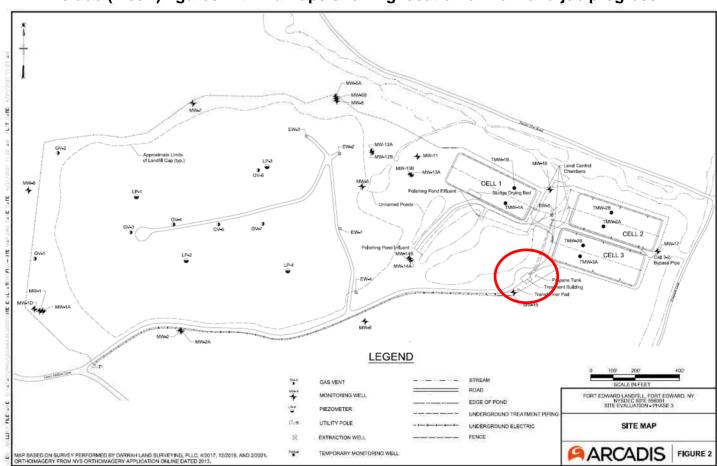
Equipment/Material Tracking Comments:

None at this time.

_Date: _3/1/2022__

Name	Re	presenting	Entered	Exclusion/CRZ Zone	
INAILIE	i i i	presenting	+	1	
			Yes	No	
			Yes	No	
			Yes	No	
			Yes	No	
Site Representatives					
Name		Representing			
		Ļ			
Project Schedule Comments					
None at this time.					
Issues Pending					
None at this time.					
Interaction with Public, Property C)wners, Media, e	tc.			
None at this time.	· · · · · · · · · · · · · · · · · · ·				

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



Red outlined area indicates the location of work performed onsite March 1, 2022.



Fort Edward Landfill - NYSDEC Site No. 558001___ Date: _3/1/2022__

Site Photographs (Descriptions Below)





View of IPC plates prior to washing.

View of IPC plates after washing.

Comments

None at this time.

Site Inspector(s): Patrick Harrington, Colby Churchill, Rachael Thomas **Date:** 3/1/2022

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. 83 Fort Edward Landfill - NYSDEC Site No. 558001 _ _ _ Date: _3/1/2022__

REMEDIAL ACTIVITIES AT PROPERTIES

1.	Have anyone at this location been tested and confirmed to have COVID-19?	Yes □	No ⊠
2.	Is anyone at this location isolated or quarantined for COVID-19?	Yes □	No ⊠
3.	Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes □	No ⊠
4.	Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes □	No ⊠
5.	Does the Department and its contractors have your permission to enter the property at this time?	Yes ⊠	No □
If \	Yes to any 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.			

Report No. 84 Fort Edward Landfill - NYSDEC Site No. 558001 Date: 3/2/2022

NYSDEC

Division of Environmental Remediation





D009804 Superintendent:

NYSDEC PM: Payson Long

NYSDEC Contract No.

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Rachael Thomas, Colby Churchill

Site Location: Hudson Falls, New York

Weather Conditions				
General Description Cloudy AM Cloudy PM				PM
Temperature	30 °F	AM	36 °F	PM
Wind 10 MPH WNW AM 12 MPH WNW F		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	Х	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	Х	NA

Health & Safety Comments

None at this time.

Summary of Work Performed Arrived at site: 0900 Departed Site: 1200

- Calibrated Horiba water quality meter prior to water supply sampling.
- Collected sample and MS/MSD sample from 111 Perkins Dr. for analysis of PFAS and 1,4-Dioxane.
- Delivered sample cooler to Pace Analytical.

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
Ra	achael Thomas	Arcadis	Engineer	3.0
	Colby Churchill	Arcadis	Engineer	3.0

Contractor/Vend	lor	Quantity	Used
	Contractor/Vend	Contractor/Vendor	Contractor/Vendor Quantity

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:

None at this time.

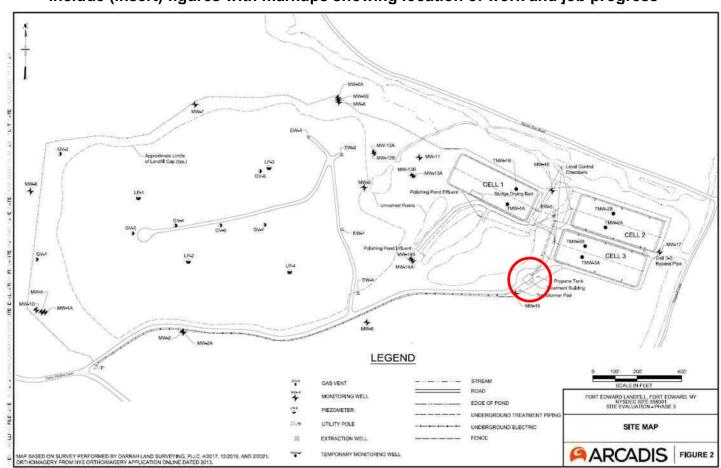
3/2/2022

Date:

Report No. 84 Fort Edward Landfill - NYSDEC Site No. 558001__

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

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



Red outlined area indicates the location of work performed onsite March 2, 2022.



Site Photographs (Descriptions Below)







View of 29 Wolf St. groundwater well.



View of 29 Wolf St. groundwater pump info.

Comments

None at this time.

Site Inspector(s): Colby Churchill, Rachael Thomas



DAILY INSPECTION REPORT

Page 4 of 4

Report No. 84 Fort Edward Landfill - NYSDEC Site No. 558001 __ _ Date: 3/2/2022

DAILY HEALTH CHECKLIST

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

REMEDIAL ACTIVITIES AT PROPERTIES

1.	Have anyone at this location been tested and confirmed to have COVID-19?	Yes □	No ⊠
2.	Is anyone at this location isolated or quarantined for COVID-19?	Yes □	No ⊠
3.	Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes □	No ⊠
4.	Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes □	No ⊠
5.	Does the Department and its contractors have your permission to enter the property at this time?	Yes ⊠	No □
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.			

3/8/2022

Fort Edward Landfill - NYSDEC Site No. 558001 Report No. 85

NYSDEC Division of Environmental Remediation





Site Location: Hudson Falls, New York

Weather Conditions General Description Cloudy AM Sunny PM33°F AM 36 °F РМ **Temperature** 14 MPH W Wind 17MPH NW AM PM

Date:

Superintendent:

NYSDEC PM: Payson Long

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

Harrington, Jeremy Wyckoff

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:	0815	Departed Site:	1715
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- Removed and pressure washed EW-4 pump screen.
- Observed damaged wire on primary EW-4 pump.
- Reinstalled EW-4 pump screen and connected maintenance pump to the VFD (variable frequency drive) and pitless adapter.
- Verified EW-4 was pumping at normal flow rate after cleaning and re-installation.

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	9.0

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)*

^{*}On-Site scale for off-site shipment, delivery ticket for material received

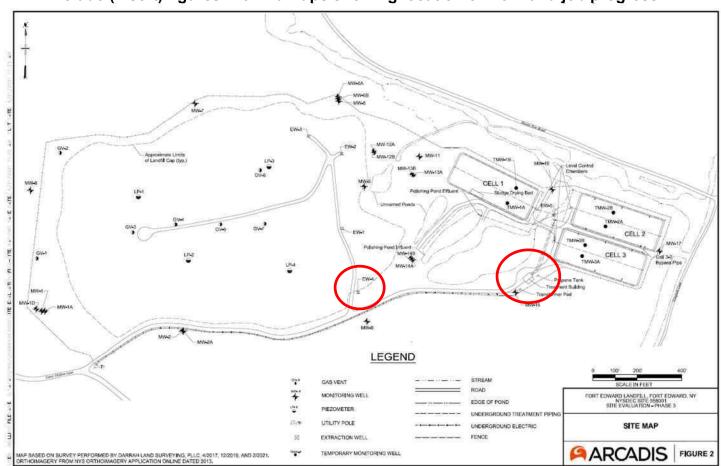
Equipment/Material Tracking Comments:

None at this time.

_Date: 3/8/2022

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

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



Red outlined areas indicate the locations of work performed on March 8, 2022.



Site Photographs (Descriptions Below)





View of clogged EW-4 pump screen.

View of damaged wire on EW-4 pump.

Date: 3/8/2022

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. 85 Fort Edward Landfill - NYSDEC Site No. 558001 ___ Date: 3/8/2022

REMEDIAL ACTIVITIES AT PROPERTIES

1.	Have anyone at this location been tested and confirmed to have COVID-19?	Yes □	No ⊠
2.	Is anyone at this location isolated or quarantined for COVID-19?	Yes □	No ⊠
3.	Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes □	No ⊠
4.	Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes □	No ⊠
5.	Does the Department and its contractors have your permission to enter the property at this time?	Yes ⊠	No □
If \	es to any 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.			

Report No. 86 Fort Edward Landfill - NYSDEC Site No. 558001 __ _ Date: 3/15/2022

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, Colby Churchill

PM Consulta

PM

 Temperature
 45 °F
 AM
 51 °F

 Wind
 4 MPH SW
 AM
 6 MPH ENE

Cloudy

Weather Conditions

AM

Health & Safety

General Description

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	X
Were there any nuisance issues reported/observed on this date?	*Yes	No	Х	NA	

Rain

Health & Safety Comments

None at this time.

Summary of Work Performed Arrived at site: 0830 Departed Site: 2000

- Completed routine monthly and quarterly Treatment System sampling. Sample coolers delivered to Pace Analytical.
- Replaced sodium permanganate pump tubing and adjusted dosing settings.
- Disassembled, cleaned, and re-assembled air compressor regulator to resolve air leak.
- Repeatedly transferred sludge from the Inclined Plate Clarifier (IPC) to the Thickener Tank.
- Completed prefill and onstream of the Filter Press.
- 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	11.5
Colby Churchill	Arcadis	Engineer	5.0

Equipment Description	Contractor/Vendor		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

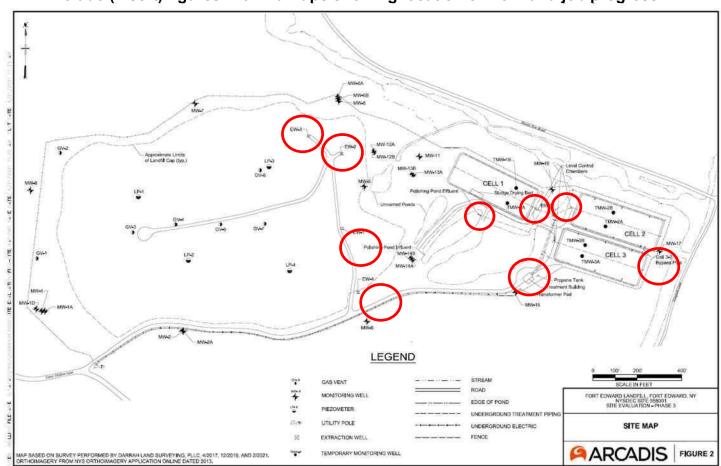
Equipment/Material Tracking Comments:

None at this time.

Date: 3/15/2022

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

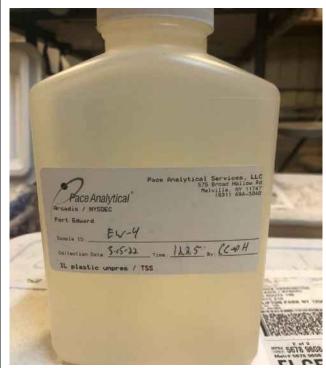
Include (insert) figures with markups showing location of work and job progress

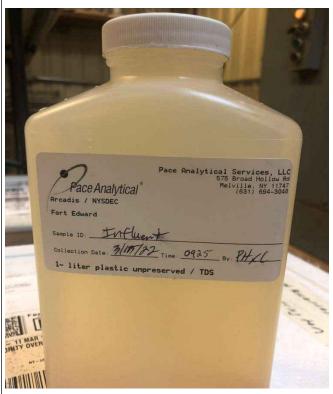


Red outlined areas indicate the locations of work performed on March 15, 2022.



Site Photographs (Descriptions Below)





Date: 3/15/2022

View of EW-4 sample.

View of Influent sample.



View of air compressor regulator after repair.

Comments

None at this time.

Site Inspector(s): Patrick Harrington, Colby Churchill



DAILY INSPECTION REPORT

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

Report No. 86 Fort Edward Landfill - NYSDEC Site No. 558001 __ Date: 3/15/2022

DAILY HEALTH CHECKLIST

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

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 Report No. 87 Date: 3/22/2022

NYSDEC

Division of Environmental Remediation





D009804

Superintendent:

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 35 °F		AM	39 °F	PM			
Wind 10 MPH W AM 12 MPH NW							

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:	1815
---------------------------	------------------	------	----------------	------

- Completed blowdown, cake discharge, and subsequent prefill of the Filter Press.
- Adjusted dosing settings of the sodium permanganate pump.
- Repeatedly transferred sludge from the Inclined Plate Clarifier (IPC) to the Thickener Tank.
- Containerized one 55-gallon drum of Filter Press Filter Sludge.
- Trimmed overhanging branches and corrected patches of missing gravel on 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 X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Patrick Harrington	Arcadis	Geologist	9.5
	T	·	

Equipment Description	Contractor/Vend	lor	Quantity	Used

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

^{*}On-Site scale for off-site shipment, delivery ticket for material received

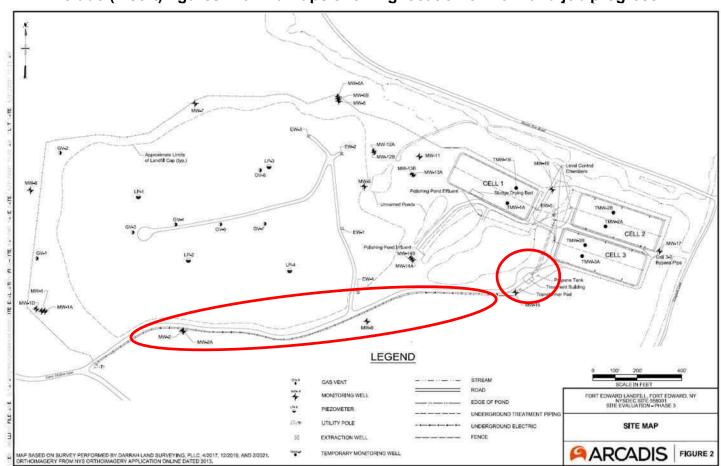
Equipment/Material Tracking Comments:

None at this time.

3/22/2022 Date:

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

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



Red outlined areas indicate the locations of work performed on March 22, 2022.



Site Photographs (Descriptions Below)





View of agitated iron scaling in IPC plate chamber.

View of agitated iron scaling in Clarifier Catch Tank.

Date: 3/22/2022

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. 87 Fort Edward Landfill - NYSDEC Site No. 558001 ___ Date: 3/22/2022

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 any 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.			

Report No. 88 Fort Edward Landfill - NYSDEC Site No. 558001 Date: 3/29/2022

NYSDEC

Division of Environmental Remediation





D009804

Superintendent:

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					
Temperature	17 °F	AM	29 °F	PM	
Wind	12 MPH W	AM	12 MPH NNW	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:	0845	Departed Site:	1915
---------------------------	------------------	------	----------------	------

- Replaced air compressor pressure switch, relief valve, and regulator.
- Removed, cleaned, and reinstalled check valve. Check valve continues to leak after cleaning.
- Completed blowdown, cake discharge, and subsequent prefill and onstream of the Filter Press.
- Containerized one 55-gallon drum of Filter Press Filter Sludge.
- Repeatedly transferred sludge from the Inclined Plate Clarifier (IPC) to the Thickener Tank.
- 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		10.5		
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

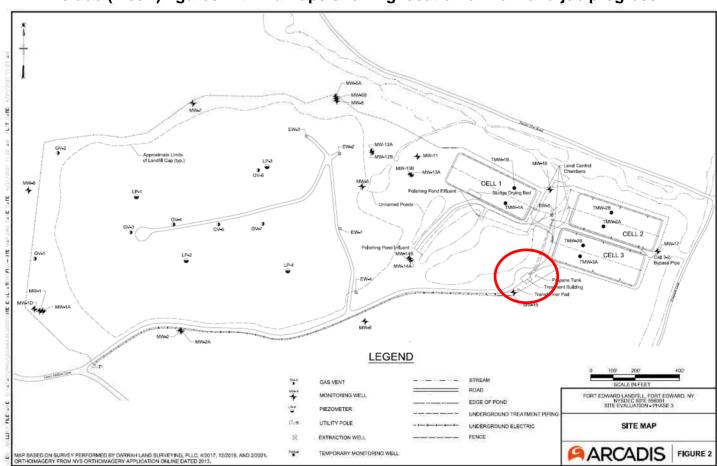
Equipment/Material Tracking Comments:

None at this time.

_Date: _3/29/2022_

Visitors to Site Name	Repres	enting	Entered	Exclusion/CRZ Zone
Name	Kepies	enting		
			Yes	No
Site Representatives				
Name	Re	presenting		
Project Schedule Comments				
None at this time.				
Issues Pending				
None at this time.	·	_	·	_
Interaction with Public, Property	Owners, Media, etc.			
None at this time.				

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



Red outlined area indicates the location of work performed on March 29, 2022.



Report No. 88 Fort Edward Landfill - NYSDEC Site No. 558001 __ _ Date: _3/29/2022_

Site Photographs (Descriptions Below)





View of Filter Cake in the Filter Press.

View of old, faulty air compressor check valve.

Date: 3/29/2022

Comments

None at this time.

Site Inspector(s): Patrick Harrington

DAILY HEALTH CHECKLIST

le codel distancias hoise presticado	Vac 🖂	Na 🗆
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. 88 Fort Edward Landfill - NYSDEC Site No. 558001 _ _ _ Date: _3/29/2022_

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 any 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.			

ATTACHMENT B

Arcadis Weekly O&M Logs

Fort Edward Landfill - Weekly Operation and Maintenance Checklist

Shovel doorways, apply ice melt

Confirm gates and doorways locked

Staff: PH (C, RT Date: 3/1/22



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

Extraction Wells	1000	ST. LOVERS	Online (Y/N)	Auto	Manual	Flow (gpm)	Level (ft)	(psi)
Pump Status/Flow		EW-1	N	N	. V	0.63	14.0	Q. D
Run pumps in "Manual" to confirm flow, if nee	ded.	EW-2	Y	-Y		19.84	4.20	13.09
Confirm pumps are operating between setpoin	ts	EW-3	<u> </u>	4	<u>√</u>	18.45	8.80	NA
Confirm pressure with pump cycling & not high	/low_	EW-4	N	N	~	Δ	19.4	$\overline{\Omega}$
If pumps on, is water flowing into IPC (Y/N)?	. Y	EW-5	- y	y	<u>v</u>	NA	9.06	ÑA
Process - (Check if OK or fill in values)	110 E	AV BLA	21-7-28					1000
Chlorine Alarm status (on/off) A1	nft	A2	off		Auto rotate o	n/off		. On
If on - record chlorine concentration (ppm)	-				Discharge pr	ump operating		· V
Operate exhaust fan manually	1/				• •	ump pressure		
	6.63				Building tem	• •		-
Chemical rates normal for flow?	3/				Mixers opera	•		
Catch tank display level=actual?					Other Alarms	•		$\overline{\mathcal{N}}$
		-		ALC: U	Other Alathi	5 (1/14)		
Filtration (Check If OK)	1/				Delen sid sta			
Air compressor pressure in range	<u></u>				Solenoid sta	tus correct for	operation	1
Data (Check if OK)	30000			10000	7 2 3 1 7 1 7	1-3		10000
Do Daily & Yesterday Starts make sense	_							
All Aleman Franklad (VAR)	A /		1 12 19	17 % 7 9	The Later of			194 21
	<u>N</u>	1 - 1/4 -	17. 11	1				
List any disabled and indicate why	CI	nurne	disable	<u> </u>				
BUILDING/CDOUNDS								
BUILDING/GROUNDS Air Compressor (Check if OK)								
Cycle times normal for load	./				Charle and	- di	_	
	<u></u>					o drain operati		
Check oil level at least monthly	<u></u>				-	er - alarms? C	-	<u></u>
Belt tension					HX fan op	erates with co	mpressor?	
Unit Heaters (Check if OK)		1000						
Thermostats set correctly (50-55 F)					Propane ta	ank level great	er than 20%	600
Heaters working	1/							
IPC (Y/N)			1000	PERM				
IPC discharge clear?	<u></u>				Check slud	dge ports (Slu		<u> </u>
Floatables? (take photos if yes)	<u> </u>				Indicate ⁶	% of sludge	Upper	
Coag visibly dosing?	/					ich port	Mid	100
Floc visibly dosing?	V				u. 00	ion port	Lower	100
Chemical Feed (Fill in values)		PER MARK						
	14	mA Signal	400	# of Full I	Drums Onsite	1		
2130 Coagulant Height (in)	1 1/4/32	Stroke Rate		# of Full I	Drums Onsite	2		
1668 Flocculant Volume (gal)	175	Stroke Rate	e 100	# of Full I	Bags Onsite	S. 6		
Dosing pumps at normal rate?	V			Chemica	s needed?			
Floor Sumps (Y/N)	E 1942				1			
Sump levels normal?	V				Pump runs	s but not empt	ying sump?	N.
High-High level switches operate freely?	1/	(check mor	nthly)			ng after pump		N
Excessive sludge/sediment?	N						•	
	nick Feed	Press Feed	Floc Feed					
Proper operation/flow	/		/					
Regulators working properly	V	- V.						
Exhaust mufflers	1.		$\overline{\nu}$					
Filter Press (Check if OK)		1/20100	Carlotte Co.		Acces	A DESCRIPTION	18 TO 18	
Hydraulic ram operating normally	1					Sorbent pad	renlaced?	N
Hydraulic pressure normal	V			L	low many tota	I filled Haz dru		1
Significant leaks?	1/					ims filled & clo		-
General/Housekeeping	//		1000	HUW	many maz oru	inis illeu & CIC	oeu louay?	
Wipe down dirty equipment/piping	1		Any locke?	4/		Masta de		1
	V ,		Any leaks?	- IV/	_	Waste drun		-
Sweep and/or wash floors	<u>y</u> _		nts working?		_		els needed?	<u>~</u>
	*	EXIT SIG	ns working?	V		Rem	oved trash?	N
Fire extinguisher inspection (monthly)	47				_			
Sludge in Clarifier Catch Tank? Grounds	Ň				_			

Look for damage fencing/gates

Confirm storage container locked



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

Chlorine Alarm

A1 means chlorine concentration greater than 0.5 ppm

A1 and A2 means concentration greater than 1.0 ppm

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

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

Discharge Pumps

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

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

OLDS	

Transtened	leftover	coagulant	to ne	w dram	Initia/	height 27%	y New heigh	or 32/2
				35				
			····					

Fort Edward Landfill - Weekly Operation and Maintenance Checklist

Shovel doorways, apply ice melt

Confirm gates and doorways locked

Staff: PH, TW Date: 3/8/22



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

HMI SCREENS								
Extraction Wells			Online (Y/N)	Auto	Manual	Flow (gpm)	Level (ft)	(psi)
Pump Status/Flow		EW-1	N	N	N	NA	NA	NA
Run pumps in "Manual" to confirm flow, if	needed.	EW-2	<u> </u>	¥	N	NI	MIX	MA
Confirm pumps are operating between set	points	EW-3	<u> </u>	Ť		NIA	MA	NA
Confirm pressure with pump cycling & not	high/low	EW-4	N	N	$\overline{}$	N/A	NIA	MA
If pumps on, is water flowing into IPC (Y/N)?	EW-5	- 4	4	N	NA	NA	NA
Process - (Check if OK or fill in values)	Marie and the	ALC: NO.						192 184
Chlorine Alarm status (on/off) A	1 off	A2	OFF		Auto rotate o	n/off		NIA
If on - record chlorine concentration (ppm)	NA				Discharge pu	ump operating		MA
Operate exhaust fan manually	MA				-	ımp pressure		NIA
FT-801 reading (GPM)	NIA				Building tem			4//4
Chemical rates normal for flow?	NIA				Mixers opera	•		N/A
Catch tank display level=actual?	NIA				Other Alarma	-		
Filtration (Check if OK)	WIFE	9-10-VI-0		-	Other Alaim	5 (1/14)		NA
Air compressor pressure in range	11/1-				Calonaid ata	tus sorroot for	anaration	
Data (Check if OK)	NA				Solenoid sta	tus correct for	operation	NA
Do Daily & Yesterday Starts make sense	do	-				100	W	
Alarms	MIX			Contract of		C-200 Marie	AL THE	
All Alarms Enabled (Y/N)	N						7 / /	112 - 23
List any disabled and indicate why		blockell	disable	21				
and indicate mily		1101 ME	01747/4	<u>.</u>		-		
BUILDING/GROUNDS								
Air Compressor (Check if OK)	Service Con-	7712	THE RESERVE	100 m		10000	-	
Cycle times normal for load	NA				Check aut	o drain operati	ion	NH
Check oil level at least monthly	NA					er - alarms? C		1/4
Belt tension	1/2					erates with co		1/4
Unit Heaters (Check if OK)		18	STATE OF STREET	No.	The fair op	oracos mar os	inproceer:	MA
Thermostats set correctly (50-55 F)	NA				Propage ta	ank level great	ter than 20%	NA
Heaters working	NA					ann ioroi gioui		
IPC (Y/N)	7077		777		Call State	of the last two and	a the section	
IPC discharge clear?	NA				Check slur	dge ports (Slu	dge Y/N)	NH
Floatables? (take photos if yes)	NA						Upper	NA
Coag visibly dosing?	NA				indicate % of sludge			
Floc visibly dosing?	NA				at ea	ch port	Lower	NA
Chemical Feed (Fill in values)	10 H	- TOV	10-11-12		FOR VIOLEN	DESCRIPTION OF THE PARTY.	COWE	NA
345 Sodium Permanganate Height (in)	NA	mA Signal	NA	# of Full C	rums Onsite	NA.		
2130 Coagulant Height (in)		Stroke Rate			rums Onsite	NA		
		Stroke Rate			Bags Onsite	14		
1668 Flocculant Volume (ga Dosing pumps at normal rate?	NA	Olloke Male	P NA		s needed?	VA		
Floor Sumps (Y/N)	18 24	Park Park	STATE OF THE	Chemicas	s needed :	76 PA		
Sump levels normal?	NA	-			Dump rupe	s but not empt	uina sumn?	NA
High-High level switches operate freely?	NA	(check mor	athly)			ng after pump		
Excessive sludge/sediment?	N/A	(Cileck Hoi	iuny)		Dack HOW	ng aiter pump	Cycles	NA
Diaphragm pumps (Check if OK)	Thick Feed	Press Feed	Floc Feed	V			NEW BOOK	
Proper operation/flow	NA	NA	NA					
Regulators working properly	4/1	NA	ACA.					
Exhaust mufflers	NA	NA	NA					
Filter Press (Check if OK)	7 4	141	14.4		STATE OF THE PARTY	221	11/2/2	
Hydraulic ram operating normally	NA					Sorbent pade	s replaced?	NA
Hydraulic pressure normal	NA			н	ow many tota	I filled Haz dru	•	6/0
Significant leaks?	NA				•	ms filled & clo		10 10
General/Housekeeping	14/4		The same	11011	many ries of	io iinea a cit	cou loudy?	18 19
Wipe down dirty equipment/piping	110		Any leaks?	NA		Waste drug	ns needed?	1.18.
Sweep and/or wash floors	$\frac{AA}{A}$		ts working?	NA	-		els needed?	MA
Fire extinguisher inspection (monthly)	NA.		ns working?		-		oved trash?	NA.
Sludge in Clarifier Catch Tank?	<u> </u>	LAIT SIGI	is working (1/ 12	-	Reini	oved Habil!	N/1
Grounds	_// A_	-	-				THE CO	
Mow/trim around building, structures, well	e bollarde er	ontrol nanole	and cleanaut	e	Clearwas	dy vocatation	from evoles	and can
mowitim around building, structures, well	o, Donaius, CC	muoi paneis	and deanout	.5	Clear woo	dy vegetation	nom swates	and cap

Look for damage fencing/gates



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

Chlorine Alarm

A1 means chlorine concentration greater than 0.5 ppm

A1 and A2 means concentration greater than 1.0 ppm

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

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

Discharge Pumps

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

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

Notes:

Vid no	t rui	1 SPST	tem,	did no	t Compi	et e	() and NI	today.	Spent
the 1	Nhile	dos	10 201	river	FW-W	Dum	Z.	today.	•
		7	(,)			7 - 7			
							.		
									
	-	-	==						
									- "

Fort Edward Landfill - Weekly Operation and Maintenance Checklist

Confirm gates and doorways locked

Staff: PH, CC Date: 3/15/22



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

HMI SCREENS							
Extraction Wells	THE PARTY OF	Online (Y/N)	Auto	Manual	Flow (gpm)	Level (ft)	(psi)
Pump Status/Flow	EV	N-1 N	N	N	0.60	14.03	(2)
Run pumps in "Manual" to confirm flow, if ne		N-2		1/	20,67	1.01	10.58
Confirm pumps are operating between setpo		N-3	4	A	14.67	7,87	NA NA
Confirm pressure with pump cycling & not high		N-4	-	- A/	28.75	720	657
If pumps on, is water flowing into IPC (Y/N)?		N-5	$\overline{}$	1/	NA -	9.45	6.57 NA
Process - (Check if OK or fill in values)						1101	
Chlorine Alarm status (on/off) A1	off	AZ OFF		Auto rotate o	n/off		On
If on - record chlorine concentration (ppm)	011	~			imp operating		1/
					imp operating	ormal	-
Operate exhaust fan manually	<u>V</u>					Oilliai	_
FT-801 reading (GPM)	24,50			Building temp			
Chemical rates normal for flow?				Mixers opera	~		
Catch tank display level=actual?				Other Alarms	s (Y/N)		
Filtration (Check If OK)	,					- 63	
Air compressor pressure in range				Solenoid star	tus correct for o	peration	
Data (Check if OK)		PERMIT			100		100 174
Do Daily & Yesterday Starts make sense							
Alarms							10000000
All Alarms Enabled (Y/N)	N						
List any disabled and indicate why	Chlui	rine disa	biec				
-							
BUILDING/GROUNDS							
Air Compressor (Check if OK)	THE R. P. LEWIS CO., LANSING			THE RESERVE			,
Cycle times normal for load	<u>v,</u>				o drain operatio		
Check oil level at least monthly					er - alarms? Cy	-	<u> </u>
Belt tension				HX fan ope	erates with com	pressor?	
Unit Heaters (Check if OK)	1				SECTION SAN		
Thermostats set correctly (50-55 F)	<u> </u>			Propane ta	ink level greate	r than 20%	V 3540
Heaters working							
IPC (Y/N)	,						
IPC discharge clear?	<u> </u>			Check slud	dge ports (Slud	ge Y/N)	<u> </u>
Floatables? (take photos if yes)	<u> </u>			Indicate ⁰	% of sludge	Upper	5090
Coag visibly dosing?	VY				ch port	Mid	100 %
Floc visibly dosing?	VY			at ea	on port	Lower	10640
Chemical Feed (Fill in values)							100
345 Sodium Permanganate Height (in)	### 28 14 mA Si		# of Full D	rums Onsite	1		
2130 Coagulant Height (in)	26.5 Stroke	1/4		rums Onsite	Ч		
1668 Flocculant Volume (gal)	が の Stroke	Rate 🥱 🗓	# of Full B	ags Onsite	- 1		
Dosing pumps at normal rate?	У		Chemicals	s needed?	N/A	-	
Floor Sumps (Y/N)							
Sump levels normal?	<u> </u>				s but not emptyi		~
High-High level switches operate freely?	Y (check	k monthly)		Back flowi	ng after pump o	cycle?	
Excessive sludge/sediment?	<u> </u>						
	Thick Feed Press	Feed Floc Feed					2752000
Proper operation/flow		<u></u>					
Regulators working properly	<u> </u>						
Exhaust mufflers							
Filter Press (Check if OK)	,						
Hydraulic ram operating normally					Sorbent pads		N
Hydraulic pressure normal	√				l filled Haz drun		
Significant leaks?	N		How r	nany Haz dru	ms filled & clos	ed today?	_0
General/Housekeeping			31 17				
Wipe down dirty equipment/piping	√ ,	Any leaks?	\sim	_	Waste drums	s needed?	\mathcal{N}
Sweep and/or wash floors		Lights working?		_	Drum labels	s needed?	N
Fire extinguisher inspection (monthly)	√ Ex	it signs working?	9	_	Remov	ved trash?	N
Sludge in Clarifier Catch Tank?	N						
Grounds		Carlotte Int.	THE TAIL		100		18 1 16
Mow/trim around building, structures, wells,	bollards, control pa	anels and cleanou	ts	Clear woo	dy vegetation fr	om swales	and cap
Shovel doorways, apply ice melt				Look for d	amage fencing/	gates	

Confirm storage container locked



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

Regulators

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.

PSI Range

Auto drain operates 5 seconds every minute

Heat exchanger fan should operate with compressor

Filter press feed pump 90 psi max Floc feed pump 40 psi Filter press hyd pump Blowdown 90 psi max Notes:	Thickener feed pump	40 psi max		
Floc feed pump 40 psi Filter press hyd pump Blowdown 90 psi max	Filter press feed pump	90 psi max		
Filter press hyd pump Blowdown 90 psi max	Floc feed pump	40 psi		
Blowdown 90 psi max	Filter press hyd pump			
Notes:	Blowdown	90 psi max		
	Notes:			
			N	

Check status and compare to normal conditions. See Reverse side for typical operating parameters. HMI SCREENS Extraction Wells Pump Status/Flow Run pumps in "Manual" to confirm flow, if needed. EW-1 V V V V V V V V V V V V V V V V V V V				A.1,	2/2:	2/2-	· · _	OR INE	
Auto Continue (YN) Auto Manual Flow (gm) Level (ft) Use (gm) Status (gm) Level (ft) (gm) Level (gm) Le	Sta	aff. P#		Date:	71/10		Time: _	Uny	
Conline (YN) Auto Manual Flow (ppm) Level (ft) Tump Status/Flow Flow jumps in "Manual" to confirm flow, if needed. EW-1 Flow jumps in "Manual" to confirm flow, if needed. EW-2 EW-2 Y N Substitution jumps are operating between septoints Confirm pressure with pump cycling & not highlow jumps on, is water flowing into IPC (YN)? EW-5 Flow Alarm status (cn/oft) A1 OFF A2 OFF A2 Auto rotate on/off Discharge pump operating Check dryer - alarms operation Check auto drain operation Check dryer - alarms operat	theck status and compare	to normal con-	ditions. See F	Reverse side fo	r typical ope	rating parameters.			
Jump Status-Flow Thomps are operating between selpoints Confirm pumps are operating between selpoints Confirm pressure with pump cycling & not highlow Dumps on its water flowing into IPC (YNN)? Process - (Check II OK or fill in values) Floor - record chlorine concentration (ppm) Departe exhaust flowing into IPC (YNN)? Floor - record chlorine concentration (ppm) Departe exhaust (snr/of) Floor- extern status (cnr/of) Floor-									
EW-2 File and a confirm flow, if needed. Description of the property of the pr	The second secon	Plotte Cit	THE PARTY OF THE P	No.	Online (Y/N)	Auto Manual	Flow (gpm) L	evel (ft)	(psl)
Confirm pumps are operating between sepoints FW-3 Formal pumps on, is water flowing into IPC (Y/N)? Formal pumps on, is water flowing into IPC (Y/N)? Formal pumps on, is water flowing into IPC (Y/N)? Formal pumps on, is water flowing into IPC (Y/N)? Formal pumps on, is water flowing into IPC (Y/N)? Formal pumps on, is water flowing into IPC (Y/N)? Formal pumps on, is water flowing into IPC (Y/N)? Formal pumps on, is water flowing into IPC (Y/N)? Formal pumps on it water flowing int	•	-		EW-1	N	NY	0_1	5,89 _	1,5
Confirm pressure with pump cycling & not highlow pumps on is water flowing into IPC (YNI)? YEW-5					V	Y N	19.5	6.66 -	16,9
pumps on is water flowing into IPC (*/Ni)* Process (Check If OK or fill in values) Althorine Alams status (an/off) On - record chlorine concentration (ppm) Proferate exhaust fan manually T-801 reading (GPM) T-801 reading (GPM) Proferate exhaust fan manually T-801 reading (GPM) Proferation (Check If OK) Proferation (4	Ý N	$\frac{H_1 g}{g}$	9.68 -	NA 7.29
Process - (Check If OK or fill in values) Thorine Alarm status (cn/off) Al off Bischarge pump operating Discharge pump pressure normal Building temp accurate Mixers operating? Other Alarms (Y/N) All off Discharge pump pressure normal Building temp accurate Mixers operating? Other Alarms (Y/N) All off Discharge pump pressure normal Building temp accurate Mixers operating? Other Alarms (Y/N) All off Discharge pump pressure normal Building temp accurate Mixers operating? Other Alarms (Y/N) All off Discharge pump operating Discharge pump pressure normal Building temp accurate Mixers operating? Other Alarms (Y/N) All off Discharge pump operating Discharge pump pressure normal Building temp accurate Mixers operating? Other Alarms (Y/N) All off Discharge pump operating Discharge pump pressure normal Building temp accurate Mixers operating? Other Alarms (Y/N) All off Discharge pump pressure normal Building temp accurate Mixers operating? Other Alarms (Y/N) All off Discharge pump pressure normal Building temp accurate Mixers operating? Other Alarms (Y/N) All off Discharge pump pressure normal All off Discharge submarter All off Discharge submarter All off Discharge pump pressure normal All off Discharge pump prescheding off All off Discharge					Y	-y - - // -	$-\frac{\mu_0}{N\Delta}$	406 -	NA
Auto rotate cn/off on - record chlorine concentration (ppm) In - record				. EVV-0	У	-4 -/-		7,6:7-	
Discharge pump operating Discharge pump operating Discharge pump pressure normal Discharge pump pump pressure normal Discharge pump pump pressure normal Discharge pump pump pump pump pump pump pump pum					200	Auto rotate	on/off		Oh
Discharge pump pressure normal Themical rates normal for flow? Discharge pump pressure normal Discharge pump accurate purpor pressure normal Discharge pump pressure normal Discharge pump accurate pu			41 <u>017</u>	. ~2	<u> </u>			_	1/
T-801 reading (GPM) Themical rates normal for flow? Themical rates flow; Themical rates normal for load The compressor (Check if OK) Themical read of the compressor (Check if OK) Themical read of the compressor (Check if OK) Themical read (FIII in values) Themical Feed) <u>~///</u>	•				rmal —	1/
Chemical rates normal for flow? Catch tank display level=actual? Catch tank display level actual tank correct for operation Check auto drain operation Check auto drain operation Check auto drain operation Check dryer - alarms? Cycling? HX fan operates with compressor? Check sludge ports (Sludge Y/N) Indicate % of sludge Vision for full purper Check sludge ports (Sludge Y/N) Indicate % of sludge Vision for full purper Check sludge ports (Sludge Y/N) Indicate % of sludge Vision for full purper Check sludge ports (Sludge Y/N) Indicate % of sludge Vision for full purper Check sludge ports (Sludge Y/N) Indicate % of sludge Vision for full purper Check sludge ports (Sludge Y/N) Indicate % of sludge Check sludge ports (Sludge Y/N) Indicate % of sludge Check sludge ports (Sludge Y/N) Indicate % of sludge Check sludge ports (Sludge Y/N) Indicate % of sludge Check sludge ports (Sludge Y/N)		шу	1506	<u>.</u>				_	
Catch tank display level=actual? Control (Check if OK) Solenoid status correct for operation Check if OK) Solenoid status correct for operation Solenoid status correct for operation Check diversely Solenoid status correct for operation Check auto drain operation Check duto drain operation Check duto drain operation Check diver alarms? Cycling? HX fan operates with compressor? Unlit Heaters (Check if OK) Propane tank level greater than 20% Halars working PC (YIN) PC (Ischarge clear? Floatables? (take photos if yes) Check studge ports (Sludge YIN) PC discharge clear? Floatables? (take photos if yes) Check diver alarms? Cycling? HX fan operates with compressor? Very Check studge ports (Sludge YIN) PC (Ischarge clear? Floatables? (take photos if yes) Check studge ports (Sludge YIN) Floatables? (take photos if yes) Check studge ports (Sludge YIN) Check studge ports (Sludge YIN) Floatables? (take photos if yes) Check studge ports (Sludge YIN) Solenoid status correct for operation Check auto drain operation Check duto drain operation		low2	- E2, F0	<u>.</u>		_	•	_	
Solenoid status correct for operation parts (First 10 K) Do Daily & Yesterday Starts make sense larms All Alarms Enabled (YN) List any disabled and indicate why Bull DING/GROUNDS Air Compressor (Check II OK) Cycle times normal for load Check dijevel at least monthly Belt tension Unit Heaters (Check II OK) Thermostats set correctly (50-55 F) Heaters working PC (YN) PC (YN) PC (YN) PC (YN) PC (you grain at the leight (in) Also Sodium Permanganate Height (in) Also Stroke Rate All Dail Drums Onsite All Drums Onsite			-\ <u>\</u>	•			_	_	۸/
Air compressor pressure in range Jata (Check if OK) Joany & Yesterday Starts make sense Alarms All Alarms Enabled (Y/N) BUILDING/GROUNDS Air Compressor (Check if OK) Cycle times normal for load Check of level at least monthly Belt tension Unit Heaters (Check if OK) Thermostats set correctly (50-55 F) Heaters working PC (Y/N) PC discharge clear? Flicatables? (take photos if yes) Coag visibly dosing? Chemical Feed (Fill in values) 345 Sodium Permanganate Height (in) 137 Stroke Rate 149 W of Full Drums Onsite 130 Coagulant Height (in) 137 Stroke Rate 149 W of Full Drums Onsite 130 Coagulant Volume (gal 137 Stroke Rate 149 W of Full Drums Onsite 150 Sump levels normal? Pump runs but not emptying sump? Proper operation flow Regulators working properly Exhaust mufflers Fliter Press (Check if OK) Hydraulic ram operating normally Hydraulic pressure normal Significant leaks? General/Housekeeping	· •	7.5	<u> </u>					TO SHAPE TO SHAPE THE PARTY OF	. 0
Data (Check if OK) Do Daily & Yesterday Starts make sense Name All Alarms Enabled (Y/N) List any disabled and indicate why BUILDING/GROUNDS All Compressor (Check if OK) Cycle times normal for load Check oil level at least monthly Check dutle at le		range	- V-		Sever Mark To Wall	Solenoid st	tatus correct for or	peration	V
Do Daily & Yesterday Starts make sense Namms Namms Enabled (Y/N) List any disabled and indicate why BUILDING/GROUNDS Air Compressor (Check If OK) Cycle times normal for load Check dil level at least monthly Bell tension Unit Heaters (Check If OK) Thermostats set correctly (50-55 F) Heaters working IPC (Y/N) IPC (discharge clear? Floatables? (take photos if yes) Coag visibly dosing? Thermostats effect (Fill in values) 345 Sodium Permanganate Height (in) 235 Sodium Permanganate Height (in) 247 Stroke Rate 248 # of Full Drums Onsite 250 Tools of Full Drums Onsite 250 Tools of Full Drums Onsite 250 Tools of Full Drums Onsite 250 Floor Sumps (Y/N) Sump levels normal? High-High level switches operate freely? Excessive sludge/sediment? Diaphragm pumps (Check If OK) Press Feed Press Feed Floc Feed Press Feed Floc Feed Press Feed Floc Feed How many total filled Haz drums onsite? How many total filled Haz drums onsite? How many total filled Haz drums onsite? How many total filled Accidenced? How many Haz drums filled & closed today? General/Housekeeping		Station	ne V	The World			and the second		161
All Alams Enabled (Y/N) List any disabled and indicate why BUILDING/GROUNDS Air Compressor (Check If OK) Cycle times normal for load Check oil level at least monthly Est Itension Unit Heaters (Check If OK) Thermostats set correctly (50-55 F) Heaters working PC (Y/N) PC discharge clear? Floatables? (take photos if yes) J45 Sodium Permanganate Height (in) J25 W J47 Stroke Rate J48 Sodium Permanganate Height (in) J49 Stroke Rate J40 # of Full Drums Onsite J40 # of Full Drums Onsite J40 # of Full Brums Onsite J40 # of Full Brums Onsite J41 Full Bray Sonsite Chemical Feed (Fill in values) Stroke Rate J49 # of Full Brums Onsite J40 # of Full Brums Onsite J41 Full Bray Sonsite Chemical Feed (Fill Brums Onsite J40 # of Full Brums Onsite J40 # of Full Brums Onsite J41 Full Bray Sonsite Chemical Feed (Fill in values) Stroke Rate J40 # of Full Brums Onsite J40 # of Full Brums Onsite J41 Full Bray Sonsite Chemical Feed (Fill in values) Stroke Rate J40 # of Full Brums Onsite J40 # of Full Brums Onsite J41 Full Bray Sonsite Chemicals needed? N//NC Full Bray Sonsite Chemicals needed? N/NC Full Bray Sonsite Chemicals needed? N//NC Full Bray Sonsite Chemicals ne		s make sense	- /	J. ACKLONIA COM	J. Date and Street				
BUILDING/GROUNDS Air Compressor (Check If OK) Cycle times normal for load Check oll level at least monthly Belt tension Unit Heaters (Check If OK) Themostats set correctly (50-55 F) Heaters working PC (YIN) PPC discharge clear? Floatables? (take photos if yes) Coag visibly dosing? Floatables? (take photos if yes) Coagulant Height (in) 122 Stroke Rate 1490 Stroke Rate 1490 Stroke Rate 1490 Floor Sumps (VIN) Sourp levels normal? Floor Sumps (VIN) Back flowing after pump cycle? Floer sissive sludge/sediment? Diaphragm pumps (Check If OK) Thick Feed Proper operation/flow Regulators working properly Exhaust mufflers Flitter Press Check if OK) Hydraulic ram operating normally Hydraulic ram operating normalls How many Haz drums filled & closed today? General/Housekeeping			te e	LOSSIES SER		AT 4 > 1 9 2/24 to 18 18 18	· 智 Y 电 4 5	500,000	
BUILDING/GROUNDS Air Compressor (Check If OK) Cycle times normal for load Check oil level at least monthly Belt tension Unit Heaters (Check If OK) Thermostats set correctly (50-55 F) Heaters working PC (Y/N) PC discharge clear? Floatables? (take photos if yes) Unit Heaters (the photos if yes) Coag visibly dosing? Floatables? Check fill in values) 345 Sodium Permanganate Height (in) 122 Stroke Rate 1490 Worker Floor Sumps (Y/N) Sump levels normal? High-High level switches operate freely? Excessive sludge/sediment? Diaphragm pumps (Check if OK) Press Feed Floor Feed Proper operation/flow Regulators working property Exhaust mufflers Flitter Press Check if OK) Hydraulic pressure normal Signal Floor sump (How many total filled Haz drums onsite? How many Haz drums filled & closed today? General/Housekeeping	All Alarms Enabled (Y/N)	7070-0000	N						
Ar Compressor (Check If OK) Cycle times normal for load Check oil level at least monthly Check oil level at least monthly Check of level at least monthly Check sludge ports (Sludge Y/N) Check sludge of the follows To full	ist any disabled and indica	ate wny	Ch	larine di	20016C				
Air Compressor (Check If OK) Cycle times normal for load Check auto drain operation Check dryer - alarms? Cycling? HX fan operates with compressor? Intheaters (Check If OK) Themostats set correctly (50-55 F) Teaters working PC (Y/N) PC discharge clear? Tloatables? (take photos if yes) Coag visibly dosing? Themical Feed (Fill in values) 345 Sodium Permanganate Height (in) 25 V/N 2130 Coagulant Height (in) 2131 Coagulant Volume (gal) 2131 Coagulant Volume (gal) 2131 Cosumps (Y/N) Sump levels normal? Floor Sumps (Y/N) Sump levels normal? Floir Feed Proper operation/flow Regulators working properly Exhaust mufflers Flitter Press (Check if OK) Hydraulic ram operating normally How many total filled Haz drums onsite? How many total filled Haz drums onsite? How many Haz drums filled & closed today? Seneral/Housekeeping	BUILDING/GROUNDS								
Cycle times normal for load Check oil level at least monthly Belt tension Unit Heaters (Check if OK) Thermostats set correctly (50-55 F) Heaters working PC (Y/N) PC discharge clear? Floatables? (take photos if yes) Coag visibly dosing? Chemical Feed (Fill in values) 345 Sodium Permanganate Height (in) 272 Stroke Rate 1490 # of Full Drums Onsite 2130 Coagulant Height (in) 273 Stroke Rate 274 # of Full Bags Onsite Chemicals needed? Floor Sumps (Y/N) Sump levels normal? Floor Sumps (Y/N) Sump levels normal? Floor Sumps (Y/N) Floor		OK)	1 5.6.1		- to an		EV PROBLECOS		T. 18
Belt tension Unit Heaters (Check if OK) Thermostats set correctly (50-55 F) Heaters working IPC (V/N) IPC discharge clear? Floatables? (take photos if yes) Coag visibly dosing? Chemical Feed (Fill in values) 345 Sodium Permanganate Height (in) 28 //4 2130 Coagulant Height (in) Dosing pumps at normal rate? Floor sumps (V/N) Sump levels normal? High-High level switches operate freely? Excessive sludge/sediment? Diaphragm pumps (Check if OK) Press Feed IV V Indicate % of sludge Mid In Indicate % of sludge Mid Indicate					The second secon				V
Unit Heaters (Check if OK) Themostats set correctly (50-55 F) Heaters working IPC (Y/N) IPC discharge clear? Floatables? (take photos if yes) Coag visibly dosing? Chemical Feed (Fill in values) 345 Sodium Permanganate Height (in) 25 V/W Clease Rate 1907 Chemical Feed (Fill Drums Onsite 1068 Floculant Volume (gai) Dosing pumps at normal rate? Floor Sumps (Y/N) Sump levels normal? High-High level switches operate freely? Excessive sludge/sediment? Diaphragm pumps (Check if OK) Press Feed Floc Feed Proper operation/flow Regulators working properly Exhaust mufflers Filter Press (Check if OK) Hydraulic ram operating normally Hydraulic ram operating normally Hydraulic pressure normal Significant leaks? General/Housekeeping	Check oil level at least mor	nthly		-					<u></u>
Themostats set correctly (50-55 F) featers working						HX fan o	perates with comp	oressor?	<u> </u>
Heaters working IPC (Y/N) IPC discharge clear? Y Check studge ports (Sludge Y/N) Indicate % of sludge Mid Indicate % of sludge Mid Indicate % of sludge At each port Indica			The second			10 / 25/0	to ale lavral avantas	than 200/	7.0
PC (Y/N) PC discharge clear? PC (discharge clear? PC (take photos if yes) Coag visibly dosing? PC (visibly dosing. PC (visibly	•	50-55 F)	<u></u>	-		Propane	tank level greater	man 20% _	15
Check sludge ports (Sludge Y/N) Indicate % of sludge y/N) Indicate % of sludge y/N) Indicate % of sludge at each port Indicate % of sludge with at ea		Chicago and the Commercial					Control Control Control	-	
Floatables? (take photos if yes) Coag visibly dosing? Floatables? (take photos if yes) Coag visibly dosing? Floatables? (take photos if yes) Proceed (Fill in values) Add Sodium Permanganate Height (in) Add Full Permangana			The U			Check sl	ludge ports (Sludg	e Y/N)	y
Coag visibly dosing? Floc visibly dosing? Chemical Feed (Fill in values) 345 Sodium Permanganate Height (in) 25 /4		ves)		-				_	6
Floc visibly dosing? Chemical Feed (Fill in values) 345 Sodium Permanganate Height (in) 25 VH MA Signal 4.00 # of Full Drums Onsite 2130 Coagulant Height (in) 27 Stroke Rate 140 # of Full Drums Onsite 2130 Coagulant Volume (gal) 375 Stroke Rate 97 # of Full Bags Onsite 25 Dosing pumps at normal rate? Floor Sumps (Y/N) Sump levels normal? High-High level switches operate freely? 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 Hydraulic pressure normal Significant leaks? General/Housekeeping	, ,	<i>yes,</i>	- ;	-			_		100
Chemical Feed (Fill in values) 345 Sodium Permanganate Height (in) 245 Sodium Permanganate Height (in) 25 Vy ma Signal 4.00 # of Full Drums Onsite 2130 Coagulant Height (in) 25 Troke Rate 1490 # of Full Drums Onsite 2130 Coagulant Volume (gal) 27 Stroke Rate 27 # of Full Bags Onsite 25 Chemicals needed? Chemicals needed? Pump runs but not emptying sump? Proper operation/flow Regulators working properly Exhaust mufflers Filter Press (Check if OK) Hydraulic ram operating normally Hydraulic pressure normal Significant leaks? General/Housekeeping			- \(\frac{1}{\pi} \)	-		, at e	each port	Lower	100
Add Sodium Permanganate Height (in) 28 1/4 mA Signal 4.00 # of Full Drums Onsite 2130 Coagulant Height (in) 22 Stroke Rate 1/40 # of Full Drums Onsite 31668 Flocculant Volume (gal) 375 Stroke Rate 82 # of Full Bags Onsite Chemicals needed? N//ne Floor Sumps (Y/N) Sump levels normal? High-High level switches operate freely? V	and the same of th	ues)	74	Service Line	170				.Sv
Stroke Rate			1) 28 14	mA Signal	4.00				
Chemicals needed? Vi	2130 Coagulant	Height (in) 22						
Floor Sumps (Y/N) Sump levels normal? High-High level switches operate freely? 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 Hydraulic pressure normal Significant leaks? General/Housekeeping Pump runs but not emptying sump? Back flowing after pump cycle? V V V V V V V How many total filled Haz drums onsite? How many Haz drums filled & closed today?			gal) 375	_ Stroke Rate	82				
Sump levels normal? High-High level switches operate freely? 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 Hydraulic pressure normal Significant leaks? General/Housekeeping Pump runs but not emptying sump? Back flowing after pump cycle? // // // // // // // // // // // // //		ite?	<u></u>	The same time in comme		Chemicals needed?	None		
High-High level switches operate freely? 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 Hydraulic pressure normal Significant leaks? General/Housekeeping (check monthly) Back flowing after pump cycle? // Press Feed Floc Feed Sorbert Press (Check if OK) How many total filled Haz drums onsite? How many Haz drums filled & closed today?			./-	T.FU DIE	A CANADA	Dume es	ine hut not emphi	na sump?	A /
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 Hydraulic pressure normal Significant leaks? General/Housekeeping Thick Feed Press Feed Floc Feed V V V N Sorbent pads replaced? How many total filled Haz drums onsite? How many Haz drums filled & closed today?	•	narata feculi A	<u> </u>	- /chack man	thly)	•			**
Diaphragm pumps (Check If OK) Proper operation/flow Regulators working properly Exhaust mufflers Filter Press (Check if OK) Hydraulic ram operating normally Hydraulic pressure normal Significant leaks? General/Housekeeping Thick Feed Press Feed Floc Feed V V N How many total filled Haz drums onsite? How many Haz drums filled & closed today?			- \/-	- (check mon	un y)	Dack IIO	and pump c	_	7 🔻
Proper operation/flow Regulators working properly Exhaust mufflers Filter Press (Check if OK) Hydraulic ram operating normally Hydraulic pressure normal Significant leaks? General/Housekeeping V V V V V V V V V V V V V V V V V V	-		Thick Feed	Press Feed	Floc Feed	K 1 D Sept 1 Sept 2		arsk y	773
Regulators working properly Exhaust mufflers Filter Press (Check if OK) Hydraulic ram operating normally Hydraulic pressure normal Significant leaks? General/Housekeeping Sorbent pads replaced? How many total filled Haz drums onsite? How many Haz drums filled & closed today?		KII ON				3.4 N.			and the same of the
Exhaust mufflers Filter Press (Check if OK) Hydraulic ram operating normally Hydraulic pressure normal Significant leaks? General/Housekeeping Sorbent pads replaced? How many total filled Haz drums onsite? How many Haz drums filled & closed today?		V	/	- 	-V				
Filter Press (Check if OK) Hydraulic ram operating normally Hydraulic pressure normal How many total filled Haz drums onsite? How many Haz drums filled & closed today? General/Housekeeping	•	,	- 	- 1/	$\overline{}$				
Sorbent pads replaced? Hydraulic pressure normal How many total filled Haz drums onsite? How many Haz drums filled & closed today? General/Housekeeping		The same of the sa	- M		Commission Con	AT LIFE Y EFFE	hit		-
Hydraulic pressure normal Significant leaks? How many total filled Haz drums onsite? How many Haz drums filled & closed today? General/Housekeeping			_	_					N
Significant leaks? How many Haz drums filled & closed today? General/Housekeeping		·	1/	_				_	2
			$\sqrt{}$			How many Haz o	trums filled & clos	ed today?	
N/ipe down dirty equipment/piping ✓ Any leaks? N Waste drums needed?		7 00 35		1		عوضت معلاك وراطلة		22.	نو ۔
Lights working? V	A ST. A. ST. A. C. C. Company	Moining.	V		Anv leaks?	N	Waste drums	s needed?	\sim

Exit signs working?

Fire extinguisher inspection (monthly) Sludge in Clarifier Catch Tank?

Shovel doorways, apply ice melt

Confirm gates and doorways locked

Mow/trim around building, structures, wells, bollards, control panels and cleanouts

Grounds

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

Removed trash?



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

Chlorine Alarm

A1 means chlorine concentration greater than 0.5 ppm

A1 and A2 means concentration greater than 1.0 ppm

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

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

Discharge Pumps

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	PSI Range
Thickener feed pump	40 psi max
Filter press feed pump	90 psi max
Floc feed pump	40 psi
en control com	

Filter press hyd pump

Blowdown 90 psi max

Notes:			
	 _		
	 	_	

Fort Edward Landfill - Weekly Operation and Maintenance Checklist

Shovel doorways, apply ice melt

Confirm gates and doorways locked

Staff: _	PH	Date:	3/24/22
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Check status and compare to normal conditions. See Reverse side for typical operating parameters.

HMI SCREENS							
Extraction Wells	delet mile	Online (Y/N)	Auto	Manual	Flow (gpm)	Level (ft)	(psi)
Pump Status/Flow	EW-1	N	^/	~	Õ	13.87	0
Run pumps in "Manual" to confirm flow, if needed.	EW-2	'	-	- /	21.90	7.68	9.21
Confirm pumps are operating between setpoints	EW-3	-	- \$	- N	11.75	4130	NA
Confirm pressure with pump cycling & not high/low	EW-4			- \	25.48	821	7.47
If pumps on, is water flowing into IPC (Y/N)?	EW-5		4	- N	NA NA	7.12	NA
Process - (Check if OK or fill in values)	Will Spile		MARKET I		A COLOR		M-1
Chlorine Alarm status (on/off) A1	- A2	MIX		Auto rotate d	n/off		ON
If on - record chlorine concentration (ppm)	_	- / / / `			ump operating		W
Operate exhaust fan manually					ump pressure		-/-
FT-801 reading (GPM)	-			Building tem			10
Chemical rates normal for flow?	Ľ			Mixers opera	•		
Catch tank display level=actual?	-			Other Alarm			- y
Filtration (Check if OK)	Total Control	A STATE OF THE REAL PROPERTY.		Other Alarm	5 (1/14)		_//_
				Calonaid sta	hun namant fac	ti	No.
Air compressor pressure in range Data (Check If OK)				Solenolo sta	tus correct for	operation	
Do Daily & Yesterday Starts make sense		Marie Control					
Alarms					Color Color	4 -	
All Alarms Enabled (Y/N)							
List any disabled and indicate why	hlarihe	1.7.1/2	ed.				
List arry disabled and indicate wity	nume	063901C	<u> 2:</u>				
BUILDING/GROUNDS							
Air Compressor (Check if OK)	7. F	-	7.00		200 I A 10		2010
Cycle times normal for load				Check aut	o drain operat	ion	1
Check oil level at least monthly	_				er - alarms? C		
Belt tension	_				erates with co		1
Unit Heaters (Check if OK)				Tix fait op	crates with co	inpressor:	
Thermostats set correctly (50-55 F)				Propage to	ank level great	ter than 20%	CO
Heaters working	_			r ropane u	ank level great	ter triair 20%	<u> </u>
IPC (Y/N)	THE RESERVE AND ADDRESS OF THE PARTY OF THE	A	470.77	Service Co.	-	acres de la companya	100
IPC discharge clear?				Check slu	dge ports (Slu	dae V/N)	V
Floatables? (take photos if yes)	_					Upper	70
Coag visibly dosing?	_			Indicate '	% of sludge	Mid	100
Floc visibly dosing?	_			at ea	ch port	Lower	100
Chemical Feed (Fill in values)	-		THE LOT			Lower	100
345 Sodium Permanganate Height (in) 28 49	mA Signal	4.43	# of Full I	Drums Onsite	1		
2130 Coagulant Height (in)	Stroke Rate			Drums Onsite	- 2		
1668 Flocculant Volume (gal) 나이	_			Bags Onsite			
Dosing pumps at normal rate?	_ onone reac			ls needed?	N/A		
Floor Sumps (Y/N)			Officialica	is needed.			
Sump levels normal?				Pump rup	s but not empt	vina sumn?	N
High-High level switches operate freely?	(check mon	thiv)			ng after pump		$\frac{\lambda}{\lambda}$
Excessive sludge/sediment?				Dack now	ng and pamp	cycle:	
Diaphragm pumps (Check If OK) Thick Fee	ed Press Feed	Floc Feed	- 37				WHITE BE
Proper operation/flow Y	110331000	1/001 000					
Regulators working properly y							
Exhaust mufflers	- /	 _					
Filter Press (Check if OK)					STOPTN	UL ST. III	
Hydraulic ram operating normally					Sorbent pad	s renlaced?	N
Hydraulic pressure normal	-			low many tota			
Significant leaks?	_			many Haz dru			7
General/Housekeeping	A LO PORTOR		1104	ary Haz alt	o med a cit	oca ioaay :	
Wipe down dirty equipment/piping		Any leaks?	N		Waste drug	ns needed?	1)
Sweep and/or wash floors		s working?	-,	_		els needed?	$\frac{70}{4}$
Fire extinguisher inspection (monthly)		s working?		_		oved trash?	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Sludge in Clarifier Catch Tank?	— LAR SIGII	a working?	1	_	Rem	oveu trasii?	_/
Grounds	-		-			* 4 1 5 7 7	411111
Mow/trim around building, structures, wells, bollards,	control nanels a	and cleanout	s	Clear woo	dy vegetation	from swales	and can
areana concing, directares, frens, politico,	. Jones paners c	Godinout	~	J.Sai NOC	a, rogolation		and oak

Look for damage fencing/gates



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

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Discharge Pumps

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

Air compressor

Regulators

operating range 90-175 psi regulator setpoint 90 psi

Auto drain On 5 seconds every 5 minutes

PSI Range

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

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:				
		 		<u></u>

TABLES

Table 1. March 2022 Treatment System Analytical Data, Fort Edward Landfill, Hudson Falls, New York. NYSDEC Site No. 558001



Location	EW-1	EW-2	EW-3	EW-4	Influent	Clarifier Catch	Cell 3 Bypass	Cell 2 Effluent	Cell 1 Effluent	Fort Edward SPDES Equivalency	Polishing Pond Effluent
Date	3/15/2022	3/15/2022	3/15/2022	3/15/2022	3/15/2022	3/15/2022	3/15/2022	3/15/2022	3/15/2022	Permit Limit	3/15/2022
Volatile Organic Compounds (μg/L)											
ACETONE	5.0 U	5.0 U	25.2	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U
BENZENE	1.5	3.9	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
BROMODICHLOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
BROMOFORM	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U					
BROMOMETHANE	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U					
2-BUTANONE (MEK)	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U					
CARBON DISULFIDE	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U					
CARBON TETRACHLORIDE	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U					
CHLOROBENZENE	1.1	1.6	20.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U
CHLORODIBROMOMETHANE	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U					
CHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U	20	1.0 U					
CHLOROFORM	1.0 U	1.0 U	1.0 U	1.0 U	150	1.0 U					
CHLOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
CYCLOHEXANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
1,2-DIBROMO-3-CHLOROPROPANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
1,2-DICHLOROBENZENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
1,3-DICHLOROBENZENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
1,4-DICHLOROBENZENE	1.0 U	1.0 U	5.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U
DICHLOROBROMOMETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
DICHLORODIFLUOROMETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
1,1-DICHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U	30	1.0 U					
1,2-DICHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
1,1-DICHLOROETHENE	4.3	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U				
CIS-1,2-DICHLOROETHENE	671	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U				
TRANS-1,2-DICHLOROETHENE	2.7	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U				
1,2-DICHLOROETHENE (TOTAL)	1.0 U	1.0 U	1.0 U	1.0 U	30	1.0 U					
1,2-DICHLOROPROPANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
CIS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
TRANS-1,3-DICHLOROPROPENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
ETHYLBENZENE	1.7	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U				
2-HEXANONE	5.0 U	5.0 U	5.0 U	5.0 U	-	5.0 U					
ISOPROPYLBENZENE (CUMENE)	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
METHYL ACETATE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
METHYL TERT-BUTYL ETHER (MTBE)	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U					
METHYL CYCLOHEXANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
METHYLENE CHLORIDE	1.0 U	1.0 U	1.0 U	1.0 U	50	1.0 U					
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U					
STYRENE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
1,1,1,2-TETRACHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
TETRACHLOROETHENE (PCE)	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U					
TOLUENE	1.1	1.0 U	1.0 U	1.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U		1.0 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	2,790	1.0 U	1.0 U	1.0 U	1.0 U	50	1.0 U				
XYLENES, TOTAL	3.0 U	3.0 U	3.0 U	3.0 U		3.0 U					
TOTAL VOCs	3,473.4	5.5	54.8	ND	ND	ND	ND	ND	ND		ND

Notes:

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

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

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

Definitions:

μg/L - micrograms per liter.

ND - Non-detect.

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

Table 1. March 2022 Treatment System Analytical Data, Fort Edward Landfill Hudson Falls, New York. NYSDEC Site No. 558001



Location	EW-1	EW-2	EW-3	EW-4	Influent	Clarifier Catch	Cell 3 Bypass	Cell 2 Effluent	Cell 1 Effluent	Fort Edward SPDES Equivalency	Polishing Pond Effluent
Date	3/15/2022	3/15/2022	3/15/2022	3/15/2022	3/15/2022	3/15/2022	3/15/2022	3/15/2022	3/15/2022	Permit Limit	3/15/2022
Polychlorinated Biphenyls (μg/L)											
PCB-1016 (AROCLOR 1016)	47.2 U	0.94 U	0.94 U	0.94 U	0.94 U		0.94 U				
PCB-1221 (AROCLOR 1221)	47.2 U	0.94 U	0.94 U	0.94 U	0.94 U		0.94 U				
PCB-1232 (AROCLOR 1232)	47.2 U	0.94 U	0.94 U	0.94 U	0.94 U		0.94 U				
PCB-1242 (AROCLOR 1242)	541	2.0	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U	0.94 U		0.94 U
PCB-1248 (AROCLOR 1248)	47.2 U	0.94 U	0.94 U	0.94 U	0.94 U		0.94 U				
PCB-1254 (AROCLOR 1254)	47.2 U	0.94 U	0.94 U	0.94 U	0.94 U		0.94 U				
PCB-1260 (AROCLOR 1260)	47.2 U	0.94 U	0.94 U	0.94 U	0.94 U		0.94 U				
Metals (mg/L)											
ALUMINUM	0.2 U	1.61	0.2 U	0.2 U	0.2 U		0.2 U				
ANTIMONY	0.06 U	0.06 U	0.06 U	0.06 U		0.06 U					
ARSENIC	0.01 U	0.0285	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.15	0.01 U
BARIUM	0.304	0.208	0.238	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.5	0.2 U
BERYLLIUM	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U					
CADMIUM	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.001	0.0025 U					
CALCIUM	146	118	73.4	74.4	78.2	76.8	95.9	91.8	78.9		67.7
CHROMIUM, TOTAL	0.01 U	0.01 U	0.01 U	0.01 U	0.21	0.01 U					
COBALT	0.05 U	0.05 U	0.05 U	0.05 U	0.005	0.05 U					
COPPER	0.0369	0.0414	0.0273	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.024	0.025 U
IRON	27.4	59.4	51	9.01	9.53	4.7	0.875	5.46	0.127	0.3	0.945
LEAD	0.005 U	0.005 U	0.005 U	0.005 U	0.0032	0.005 U					
MAGNESIUM	40.3	41.8	34.7	17.6	18.8	18.6	17.4	16.5	12.3		1.41
MANGANESE	1.67	0.913	0.251	1.32	1.41	1.42	1.01	0.967	0.0436		0.23
MERCURY	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0008	0.0002 U					
NICKEL	0.04 U	0.0604	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.0096	0.04 U
POTASSIUM	5.23	5.0 U	29.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U
SELENIUM	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U					
SILVER	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U					
SODIUM	65	95.8	54.8	40.3	42.6	42	38.4	34.1	6.89		25.3
THALLIUM	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U					
VANADIUM	0.05 U	0.05 U	0.05 U	0.05 U	0.014	0.05 U					
ZINC	0.02 U	0.02 U	0.0338	0.02 U	0.0306	0.02 U	0.02 U	0.02 U	0.02 U	0.17	0.02 U
Conventional Chemistry (mg/L)											
TOTAL DISSOLVED SOLIDS	765	751	571	406	413	429	468	422	425	500	386
TOTAL SUSPENDED SOLIDS	66	56	46	14	12	22	10 U	10	10 U	50	10 U

Notes:

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

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.

[&]quot;--" - Value does not exist for analyte.



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