



GFL Emerald Park Landfill Audit Summary

TO: GFL Emerald Park Landfill Standing Committee, City of Muskego
FROM: Jo-Walter Spear, Jr., P.E.
COPIES: File
DATE: 4/08/2021
PROJECT NUMBER: 1012.10030

Due to the COVID-19 pandemic, JSA Environmental (JSA) and Green For Life Environmental (GFL) are engaging CDC guidelines and common sense.

Attached is the audit report for activities at the GFL Emerald Park Landfill for the week of March 28, 2021. The audit was performed at 8:50 AM on **March 30, 2021** by Jo Spear, Jr.; in the presence of Chad Siegle; the Site Manager.

The last audit was performed on March 25, 2021

The weather conditions were clear, sunny with gusting winds

Landfill Operations Audit:

The following conditions were noted during this Audit of the GFL EPLI Facility:

The operation required the use of:

- 1 compactor
- 1 bulldozer
- 1 water truck

No contractor active on site during audit

A) Working Face and Location

- Working face in Northwest corner of Phase 7, completing lift elevation
- No other working faces in operation
- Cover being placed is ADC

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Total destruction volume 2,400 cfm; 1,600 being delivered to MMSD
- Shutdown on 3/28/21 due to liquid levels for about 15 hours
- MMSD controlling flows

D) Surface Water Management

- Site is dry, water truck in use prior to audit
- Temp sed basin pumped nearly dry.
- Basins have plenty of freeboard

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- E) Odor Control
 - No on site odors
 - No offsite odors
- F) Liquid Loads
 - Site not taking liquid loads and will not be for quite some time due to high leachate head elevations
- G) Litter Control
 - GFL is limiting pickers on the site to minimize risk
 - Litter on US 45 removed from ditches, litter still present in medians
 - Pickers active on East slope of Phase 5 during audit
- H) Vehicle Impacts
 - US 45 and 8 Mile clean, with the exception of litter
 - Site entrance very potholed
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving MSW~1,000 TPD
 - soil project still expected
- J) Rejected Loads
 - No rejected loads
- K) Residential Drop Off
 - E-Waste Container present
 - Boxes being emptied during audit
- L) Other Comments
 - Cell Construction expected in mid-May
 - Litter pickers requested for entire week to deal with litter issues

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

GREEN FOR LIFE ENVIRONMENTAL (GFL) EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE March 30, 2021
 Auditor on site at: Open Close

TIME 8:50 AM

PREVIOUS DATE: March 25, 2021 Completed

WEATHER Clear, sunny, gusting winds WIND 10-25 MPH
 N E

TEMP Maximum 60 °F Minimum 32 °F B.P. 29.72

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in North west corner of
Phase 7 North. No other working face
in operation



Cover Material:

ADC

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
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Phases:

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Blowers in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Flare use since last audit		#				
Shutdowns Since Last Audit:		#				1 3/23/2021
Total Number of Wells	#		Under vacuum	#		
Flow to MMSD:		#			1,600	cfm

total 2400

Comments:

Shutdown due to liquid level 2 15 hours

MMSD taking flows

D. Surface Water Management:

Storm Events Since Last	#	0	Est. Volume	
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Site dry, water trucks used on site roads just prior to audit. Basins have plenty of freeboard

E. Odor Control:

Odors Present:	Onsite	<input type="checkbox"/>	Offsite	<input type="checkbox"/>
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Comments:

No offsite odors. No odors on site

F. Liquid Loads Received:

None

G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 4

Comments:

Litter in US45 Median, Site litter on East slopes
 Pickers active on East slope of Phases during audit

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US45 clean, entrance potholed

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	3/24/2021				Form	<input type="checkbox"/>
Tonnage:	~1,000 TPD					

Comments:

MSW, soil load expected

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

K.

Residential Drop Off:	Open During Audit	<input type="checkbox"/>	E-Waste Container Present	<input checked="" type="checkbox"/>
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Boxes being emptied site clean

L. Other Comments:

* Cell construction ~~is~~ expected mid May

* Litter pickers expected all week due to winds

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 03/30/2021

Date: 3-30-21

Date: _____

Green For Life Environmental (GFL) Emerald Park Landfill Audit Map



GFL ENVIRONMENTAL EMERALD PARK LANDFILL

**/ CITY OF MUSKEGO
AUDIT PHOTOS**

PROJECT NO. 1012.10030



Example of good compaction in working face





Working face very small and tight at North end of Phase 7



current lift, covered with soil on outboard slopes and access road



Special waste to the side of working face



Temp sed basin, well drained



Temp sed basin and West slope of Phase 7 viewed from the North



Temp sed basin and West slope of Phase 7 viewed from the North

**ADS Emerald Park Landfill
Action Items Checklist
City of Muskego Audit**

Opened: 05/28/2020

Updated: 01/09/2014 - Cleared

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	05/28/2020	Leachate Seep, discharge into Temp Sed Basin	POO	ASAP	11/06/2020	153	Site management addressing issue
2	05/28/2020	Leachate elevations above maintenance levels	POO & RD&D Permit	ASAP	11/06/2020	153	Site management addressing issue, DNR serviing an NOV