



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: 3/1/2021
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 February 7, 2021. The audit was performed at 2:48 PM on **February 10, 2021** by Jo Spear, Jr.; in the presence of Chad Seigel, the Site Manager.

The last audit was performed on February 3, 2021

The weather conditions were bright and sunny, after being overcast most of the day

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

No contractors in evidence

A) Working Face and Location

- Working face along East edge of active area, developing a protective berm or bench; to provide a safe area for future working faces in inclement weather.
- No other working faces in operation
- Cover being placed is ADC, autofluff and paper board

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Flow has dropped by 100 cfm, but no indication of odors
- Total destruction volume 2,400 cfm; 1,500 being delivered to MMSD
- Flow increased to 2,600 cfm by end of audit
- MMSD controlling flows.

D) Surface Water Management

- Temp sed basin without pump
 - Temp sed basin frozen, pumping not viable

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- One snow event and possibility of additional flurries today
- Site conditions frozen
- E) Odor Control
 - No odors on or off site
- 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
 - No offsite litter
 - Minimal litter due and heavy snow coverage
- H) Vehicle Impacts
 - US 45 bleached by heavy salting, 8 Mile clean
 - Site access rough, site roads clear and clean
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving MSW and low volume of other waste types ~1,000 TPD
- J) Rejected Loads
 - No rejected loads
- K) Residential Drop Off
 - E-Waste Container present
 - Boxes mostly empty
 - Site clean
- L) Other Comments
 - Manager states that site has been undergoing very aggressive well field tweaking done last week
 - Well field being actively managed and tweaked during audit

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 February 10, 2021

TIME 2:48 PM

Auditor on site at: Open Close

PREVIOUS DATE: February 3, 2021 Completed

WEATHER Bright & Sunny, had been overcast WIND 0-5 MPH
 N S E W

TEMP Maximum 14 °F Minimum -1 °F B.P. 30.40

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 maintains width along top of slope creating a rather berm for protecting future faces

	Haul Truck		
	Water Truck		
	Grader		



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"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit:		#	←	
Shutdowns Since Last Audit:		#	None	
Total Number of Wells:	All	Under vacuum	#	All
Flow to MMSD:		#	1,500	cfm

2,600 cfm for total

Comments:

Flow dropped, but no odors on or off site
Flow has increased to near 2,600 cfm

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	2"
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Snow event and possibly surges since previous audit. No surface water flow and preponderantly snow cover.

E. Odor Control:

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

No offsite odors, no onsite odors

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 type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

Litter about active area only
Pickers clearing fence

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

US 45 dry and bleached by salt use.
Site access rough, site roads clear & clean

I. Inspection of incoming waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Date:					2/4/2021	Form <input type="checkbox"/>
Tonnage:					1,000	840

Comments:

MSW

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

K. Residential Drop-off During Audit: E-Waste Container Present

Site clean boxes mostly empty

**ADVANCED DISPOSAL SERVICES
EMERALD PARK LANDFILL / CITY OF MUSKEGO
AUDIT PHOTOS**

PROJECT NO. 1012.10030



Active area, cleared of snow and receiving waste at top of working face, pushing down with equipment





Working face on East edge of Phase 7, completing protective berm development for future tipping



Tipping on Eastern edge of Phase 7



Phase 7, West edge, access road and previous working faces developing a protective berm

**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