



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 January 17, 2021. The audit was performed at 1:11 PM on **January 28, 2021** by Jo Spear, Jr.; in the presence of Dan Otzelberger, the General Manager.

The last audit was performed on January 19, 2021

The weather conditions were clear, sunny, very dry and potential snow event

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

Contractor on site developing telemetry system for landfill gas collection system

- A) Working Face and Location
 - Working face in center of "footprint", middle of Phases 6 & 7 junction
 - No other working faces in operation
 - Cover placed Autofluff and soils
- B) Leachate Management
 - Leachate being pumped to MMSD treatment
- C) Gas Monitoring and Management
 - Consistent operation since last audit
 - Total destruction volume 2,500 cfm; 1,500 being delivered to MMSD
 - MMSD controlling flows.
- D) Surface Water Management
 - Temp sed basin without pump
 - Temp sed basin frozen, pumping not viable
 - Snow event at beginning of week, site snow covered

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Site conditions frozen
- E) Odor Control
 - Auto-fluff and garbage odor on US 45
 - LFG odor on access road to top of Phase 7
- 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 and 8 Mile Rd. clean
 - Entrance very rough
 - Site roads clear
- 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
 - Telemetry installation ongoing.
 - Programming and stabilizing of telemetry system ongoing.
 - Antennae installation ongoing
 - General Manager and JSA did offsite odor monitoring and experienced auto-fluff odors off site on US 45

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 January 28, 2021 TIME 1:11 PM
 Auditor on site at: Open Close

PREVIOUS DATE: January 19, 2021 Completed Little to None

WEATHER Clear, Sunny, very dry and possible snow WIND 0-5 MPH
 N S E W

TEMP Maximum 20 °F Minimum 6 °F B.P. 30.64

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	<u>Compactor</u>						
<u>1</u>	<u>Dozer</u>						
	<u>Excavator</u>						
	<u>Haul Truck</u>						
	<u>Water Truck</u>						
	<u>Grader</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face is middle of footprint
Phase 5/6/7 junction
No other working faces



Cover Material:

Auto fluff and soils

B. Leachate Management:

Discharge to MMSD OR Recirculation

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:	# 0			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 1,500		ccm	2,500 cfm total

Comments:

MMSD controlling flows

Gas destruction consistent over last night

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	2-24
-------------------------	-----	-------------	------

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Snow event at beginning of week. Site snow covered

Surface water all frozen.

Erosion (Yes)

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Auto fluff odor on US 45.

Very minor odor on access road of LFG

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 minimal and/or seen covered.

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 & 87 Mile clean, no tracking
 Site roads clear, but rough*

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:	1/20/2021			Form <input type="checkbox"/>
Tonnage:	1,000 <i>YTD</i>			

Comments:
USA, low volume of her wastes

J. Rejected Loads: Locations of

	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		

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

Site clean and boxes mostly empty

L. Other Comments:

* Antenna for telemetry system being installed. See photos

* Telemetry programming and stabilizing ongoing. Expected completion end of February.

* Regional manager auditor did off-site observation during and experienced auto-fault across on US45.

Auditor's Signature:

Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature:

[Handwritten signatures]
J. Walter Spear, Jr.
Daniel Otzelberger
GM

Date: 01/28/2021

Date: 1/28/21

Date:

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



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

PROJECT NO. 1012.10030



Telemetry antennae on LFG controls about site





South slope of Phase 6 & 7



South Slope of Phase 7



Access road North up access road



Approach to active area in Phase 7



Access at top of Phase 7



Active area viewed from access road, previous tippings creating berm about working face



Slope conditions under snow



View West across site foot print



Clean out on Phase 7, dozer spreading cover



View South across active area



West slope at junction with Phase 3



West slope of Phase 7

**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