



## 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:** 5/18/2021  
**PROJECT NUMBER:** 1012.10030

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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 May 9, 2021. The audit was performed at 12:15 PM on **May 12, 2021** by Jo Spear, Jr.; in the presence of Chad Siegle, the Operations Manager

The last audit was performed on May 6, 2021

The weather conditions were overcast with some some rain

### 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 Excavator
- 1 Haul Truck

Contractors on site were not using heavy equipment

#### A) Working Face and Location

- Working face at top of Phase 6 East slope, moving Northward to create a protective berm about Phase 7
- Working roughly in midpoint, North-South.
- No other working faces in operation
- Outboard slope cover is soil, ADC being used on inbound and top
  - ADC well stockpiled about Active area

#### B) Leachate Management

- Leachate being pumped to MMSD treatment

#### C) Gas Monitoring and Management

- Total destruction volume 2,400 cfm
  - MMSD Controlling flows
- Gas plant operating properly

Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos



- D) Surface Water Management
  - Site has been very dry
  - Temp sed basin nearly dry.
  - Basins have plenty of freeboard and draining
- E) Odor Control
  - No detected 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
    - GFL did have 5 pickers today
  - Litter on East and North slopes
    - offsite litter in ditches only
- H) Vehicle Impacts
  - US 45 and 8 Mile were clean, dry, but dusty.
  - Site roads dusty and entrance severely potholed
- I) Inspection of Incoming Waste
  - Site operating with three equipment operators
  - Receiving MSW ~1,100 TPD
    - ADC volumes dropped off earlier in week, but have recovered
- J) Rejected Loads
  - No rejected loads
- K) Residential Drop Off
  - E-Waste Container present
  - Site clean and boxes are empty
- L) Other Comments
  - Well drilling expected for next week
  - Excavation schedule waiting on scheduling meeting expected on 5/24/2021

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 May 6, 2021  
 Auditor on site at: Open  Close

TIME 3:15 PM

PREVIOUS DATE: April 27, 2021 Completed

WEATHER Overcast, with some rain

WIND 10-20 MPH  
 N S E W

TEMP Maximum 50 °F Minimum 41 °F B.P. 30.13

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working at top of slope of Phase 6  
Moving material to create protective  
berm for future working faces



Cover Material:

Soils & 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		#	Cont			
Shutdowns Since Last Audit:		#	0			
Total Number of Wells	# All	Under vacuum	# All			
Flow to MMSD:		#	1,500	cfm	2,400 - 2,500 total	

Comments:

System running well  
 MMSD controlling flows from plant

D. Surface Water Management:

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

Very dry season, so far. Basins drained  
 no additional erosion,

E. Odor Control:

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

No offsite odors, very minor gas odor on access road

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 greatly reduced, litter in corners and unused areas

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 & 8 Mile road clean but dusty  
Site entrance severely patrolled

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:					6/25/21	Form <input type="checkbox"/>
Tonnage:	1,100 TPD					

Comments:

Mud and Equip. volumes  
Small soil volumes last week

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Boxes being emptied during audit

L. Other Comments:

\* Well construction, of 2 wells, will start at end of May.

\* Construction of Cell <sup>cell</sup> ~~expected~~ to begin end of May as well.

Auditor's Signature: \_\_\_\_\_

Auditor's Printed Name: \_\_\_\_\_

Management Signature: \_\_\_\_\_

Management Printed Name: \_\_\_\_\_

Management Title: \_\_\_\_\_

JSA Principal Signature: \_\_\_\_\_

Date: 05/06/2021

Date: 5-6-21

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



Previous working faces to the South of current, creating protective berm about lip of Phase  
7







Across top of Phase 7, viewed from the West to the working face



Across top of Phase 7, viewed from the West to the working face





Temp sed basin viewed from the East



West slopes of Phase 7





Temp sed basin viewed from the South



Temp sed basin, maintained in a dry condition

**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