



## 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

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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 March 21, 2021. The audit was performed at 3:20 PM on **March 25, 2021** by Jo Spear, Jr.; in the presence of Chad Siegle, the Site Manager.

The last audit was performed on March 19, 2021

The weather conditions were overcast and brisk, with a chance of 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
- 2 bulldozer

No contractor active on site during audit

#### A) Working Face and Location

- Working face in Northeast corner of Phase 7 North, bring about end of current lift
- No other working faces in operation
- Cover being placed is MRF seconds and other ADC
  - Large stock pile of MRF seconds

#### B) Leachate Management

- Leachate being pumped to MMSD treatment

#### C) Gas Monitoring and Management

- Total destruction volume 2,200 cfm; 1,100 being delivered to MMSD
  - Flare lit continuously
- No shutdowns since the previous audit
- Gas plant valves are to be reprogrammed on 3/27/21 to improve destruction volumes
- MMSD controlling flows

#### D) Surface Water Management

- Basin still draining/evaporating

Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos



- Temp sed basin pumped nearly dry.
- No severe erosion present
- E) Odor Control
  - Minor gas odor on access road
  - 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
  - On site litter nearly everywhere due to winds over the last two weeks
- H) Vehicle Impacts
  - US 45 and 8 Mile clean, with the exception of litter and WMWI entrance
  - Site entrance very potholed, site roads dusty
- I) Inspection of Incoming Waste
  - Site operating with three equipment operators
  - Receiving MSW ~1,000 TPD
    - Soil project expected in near future to up volumes
- J) Rejected Loads
  - No rejected loads
- K) Residential Drop Off
  - E-Waste Container present
  - Site open for residents, boxes mostly emptied, site clean
- L) Other Comments
  - Gas system tweaking and reprogramming of system in gas plant expected for next week.

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 25, 2021  
 Auditor on site at:  Open  Close

TIME 3:20

PREVIOUS DATE: March 19, 2021 Completed

WEATHER Overcast, brisk, possible rain WIND 10-25  
 WIND  N  S  E  W

TEMP Maximum 45 °F Minimum 31 °F B.P. 29.97

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	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 Northeast corner of Phase 7 North  
tipping northward above Compactor  
active preparing for cover



Cover Material:

MDC including MRF Seconds is abundant

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:		#	-			
Total Number of Wells	#	All	Under vacuum	#	All	
Flow to MMSD:	#	1,100	cfm	out of 2200		

Comments:

Low flow duct gas plant valves, reprogramming of system on 3/27/11.

D. Surface Water Management:

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

Basins draining No severe erosion  
Temp sed basin well drained

E. Odor Control:

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

Minor odor on access road  
No offsite odor

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"/>	# 2

Comments:

Offsite litter is median only of HS  
 On site litter nearly every where due to winds

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

USHS clean except for WMAW Entrance  
 Site roads 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:	3/17/2021				Form	<input type="checkbox"/>
Tonnage:	1,000 Tpd					

Comments:

Soil project expected, MSW received

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		

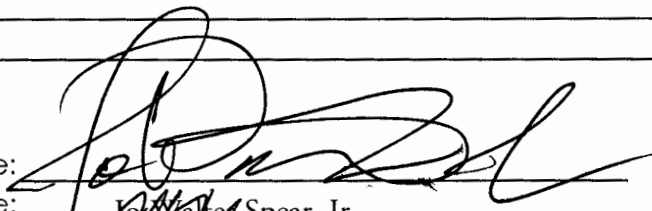
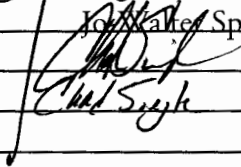
K. Residential Drop Off: Open During Audit  E-Waste Container Present

Site clean and boxes empty

L. Other Comments:

\* Gas system tweaks and reprogramming  
expected next week

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Auditor's Signature:  Date: 03/25/2021  
Auditor's Printed Name: Joe Walter Spear, Jr.  
Management Signature:  Date: 3-25-21  
Management Printed Name: Chad Sygik  
Management Title: \_\_\_\_\_  
JSA Principal Signature: \_\_\_\_\_ 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



Phase 7 South slope restored with back dragging and new berm to prevent future erosion







Slope erosion minimal



Working face finalizing lift in Phase 7



Working face in Northeast corner of Phase 7, over Phase 6



Temp sed basin well drained

**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