

JSA Environmental

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: 1/11/2021
PROJECT NUMBER: 1012.10030

On Monday November 2, 2020 Green For Life Environmental, Inc. (GFL) acquired the Emerald Park Landfill from Advanced Waste, via the sale of Advanced to Waste Management. For purpose of auditing and committee meetings there does not appear to be a change in active staff from the landfill or regional support.

Due to the COVID-19 pandemic, JSA Environmental and 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 7, 2021. The audit was performed at 12:40 PM on **January 8, 2021** by Jo Spear, Jr.; in the presence of Chad Seigel; the Site Manager.

The last audit was performed on December 14, 2020

The weather conditions were overcast and dry

Landfill Operations Audit:

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

The operation required the use of:

- 2 bulldozer
- 1 compactor under maintenance

No heavy equipment contractors active

A) Working Face and Location

- Working face in Northeast corner of Phase 7 South, but away from top of slope
 - Working face very small, and slow moving due to low volumes
- No other working faces
- Site is using auto-fuff and paper board for cover

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - All collection tanks removed from site

C) Gas Monitoring and Management

- Consistent operation since last audit

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Total destruction volume 2,500 cfm; 1,400 being delivered to MMSD
- D) Surface Water Management
 - Temp sed basin without pump
 - Temp sed basin frozen, pumping not viable
 - Erosion minimal
- E) Odor Control
 - No odors detected off site.
 - Minor odors on West slope of Phase 7, some snow melted over gas collection lines; no evidence of seeps
- 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
 - Due to high winds in the past week, site had three active pickers
 - Pickers were active on East slope of Phase 5 during audit
- H) Vehicle Impacts
 - US 45 rough in Northbound lanes
 - Site roads clean
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving MSW and C&D ~1,000 TPD
- J) Rejected Loads
 - No rejected loads
- K) Residential Drop Off
 - E-Waste Container present
 - Boxes all empty and site clean
 - Subcontractor employed to empty boxes
- L) Other Comments
 - Telemetry installation ongoing.
 - Tetrattech onsite managing leachate removal and volume levels

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 8, 2021
 Auditor on site at: Open Close

TIME 12:40

PREVIOUS DATE: December 14, 2020 Completed

WEATHER Overcast, dry conditions WIND S-10 Mph
 WIND ↻ S E W

TEMP Maximum 32 °F Minimum 25 °F B.P. 30.33

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>0</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Grader						
	1020.10030						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	<u>Compactor</u>		<input checked="" type="checkbox"/>				

A. Working Face Size and Location:

Working face in North east corner
of Phase 7 South

No other working faces

EXCAVATOR
 HAUL TRUCK
 GRADER
 1020.10030
 BONEYARD



Cover Material:

Paper board, auto stuff

B. Leachate Management:

Discharge to MMSD 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:	# <u> </u>			
Shutdowns Since Last Audit:	# <u> </u>			
Total Number of Wells	# <u>All</u>	Under vacuum	# <u>All</u>	
Flow to MMSD:	# <u>1,400</u>	cfm		

2,400 - 2,500 cfm total

Comments:

Consistent operation since 12/17/2020

D. Surface Water Management:

Storm Events Since Last	# <u>4</u>	Est. Volume	<u>2</u>
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Swampy since last audit

Site restoration

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Minor odors 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 checked="" type="checkbox"/>	# 2

Comments:

No pickers. Pickers remaining residential drop off

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 rough in North bound lanes
Site gates cleaned

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:	1/4/2021			Form <input type="checkbox"/>
Tonnage:	1,000 TPD			

Comments:

Soil project expected, MSW & C&D

J. Rejected Loads:

Date/Time	Reason for Rejection
1.	None
2.	

K.

Residential Drop Offs Open During Audit E-Waste Container Present

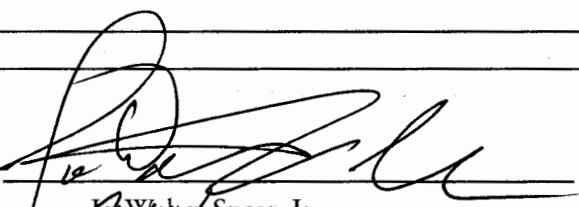
Boxes all empty, Site very clean

L. Other Comments:

* Televising installation ongoing
Testing active on site monitoring
leachate levels

*

Auditor's Signature:

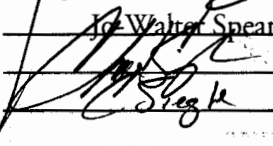


Date: 01/08/2021

Auditor's Printed Name:

Walter Spear, Jr.

Management Signature:



Date: 1-8-21

Management Printed Name:

Steve

Management Title:

JSA Principal Signature:

Date:

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



Working Face

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

PROJECT NO. 1012.10030



South slope of Phase 7, no disturbed or discolored snow





West slope of Phase 7, some snow melt over gas lines, but not flows or discoloration



Top of Phase 7 North and South



Cover materials stockpiled in active area



Current lift of waste placement moving slowly about Phase edges and North



Temp sed basin frozen, side slope clean



Temp sed basin missing pump, but frozen conditions prevent pump operation

**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