



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 2:01 PM on **January 19, 2021** by Jo Spear, Jr.; in the presence of Chad Seigel; the Site Manager.

The last audit was performed on January 13, 2021

The weather conditions were overcast with low winds and snow flurries

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

Contractor on site developing telemetry system for landfill gas collection system

Contractor, Mueller, on site raising well with excavator and labor

A) Working Face and Location

- Working face along Phase 5 & 6 junction at the top of the Phase 5 slope, at South end
 - Working face very small, and slow moving due to low volumes
- No other working faces
- Stockpiles of ADC all about active area
- Cover during operation is mixed ADC, predominantly auto-fluff

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Consistent operation since last audit
- Total destruction volume 2,400 cfm; 1,400 being delivered to MMSD
- High moisture conditions, but no shutdowns.

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- D) Surface Water Management
 - Snow event during audit and predicted for the next day along with dropping temperatures
 - Temp sed basin without pump
 - Temp sed basin frozen, pumping not viable
 - Site conditions frozen
- E) Odor Control
 - Wood burning odors offsite
 - No onsite 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
 - No offsite litter
 - On site litter minimal, winds are very low
- H) Vehicle Impacts
 - US 45 has tracking and is dingy; 8 Mile clean
 - Entrance very rough
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving MSW ~850 TPD
- J) Rejected Loads
 - No rejected loads
- K) Residential Drop Off
 - E-Waste Container present
 - Boxes are empty and site is clean
- L) Other Comments
 - Telemetry installation ongoing.
 - Mueller Construction raising two wells on site to improve function.

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 13, 2021
 Auditor on site at: Open Close

TIME 1:26 PM

PREVIOUS DATE: January 8, 2021 Completed

WEATHER Overcast, possible snow event WIND 0-10 MPH
 N S E W

TEMP Maximum 38 °F Minimum 29 °F B.P. 29.80

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>1</u>	Dozer						
<u>1</u>	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 is ~~North~~ Southeast corner of Phase 6 and Phase 5

Intermediate cover being placed at junction of Phase 5 & 6 overlay



Cover Material:

Soil project being brought in for cover
ADC stockpiles available as well

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:	# Cont			
Shutdowns Since Last Audit:	#			
Total Number of Wells	# 70"	Under vacuum	# 70"	
Flow to MMSD:	# 1,200	cfm		

~ 1,000 cfm flared

Comments:

Consistent delivery to MMSD
MMSD controlling flows

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	no
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Minor snow event, no accumulation since last audit
site waters frozen, no new erosion
Temp Sed Basin frozen

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Auto bluff and garbage odor on US 45 at Northcrest corner of site

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 type="checkbox"/>	NO <input type="checkbox"/>	#

Comments:

Minimal litter in waste low winds
 Litter picked after strong 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.

US45 has tracking especially on North bound lanes and W. Main St. Site clean
 Site entrance very rough, roads 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:	1/7/2021			Form <input type="checkbox"/>
Tonnage:	1,400 TAD			

Comments:

MSW, medium soil project

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		

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

Boxes being emptied during audit

L. Other Comments:

* Yellow Sky project waiting on antennas still being added.

*

Auditor's Signature:

Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature:

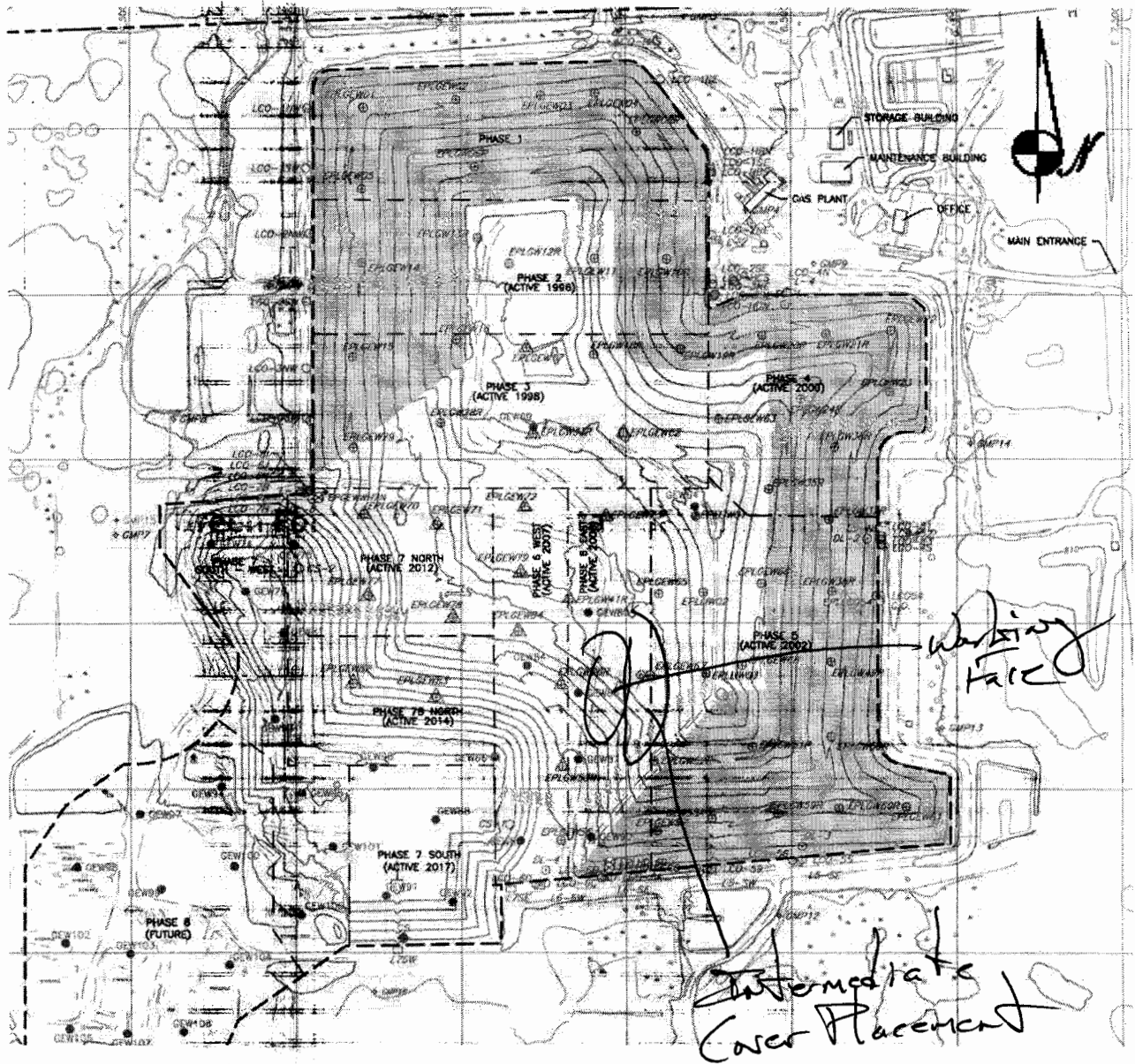
[Handwritten signatures]
Joe Walker, Sr.
Chris Sigle

Date: 01/13/2021

Date: 1-13-21

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



Working face wrapped with alternative cover materials





View East across active area



View to the South from access road



View across Phases 7 to 5



Technicians working on Well in Phase 6

**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