



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: 7/27/2021
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 June 27, 2021. The audit was performed at 2:58 PM on **June 3, 2021** by Jo Spear, Jr.; in the presence of Daniel Otzelberger, the General Manager

The last audit was performed on June 25, 2021

The weather conditions were sunny and very windy

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

The operation required the use of:

- 1 Compactor
- 1 Bulldozer

Contractors were inactive due to the cell excavation being flooded

A) Working Face and Location

- Working face at South end of Phase 6 progressing Westward about the top of slope to form protective berm for future working faces
- No other working faces in operation
- Site implementing various ADC's as cover, but mostly autofluff

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Total destruction volume 2,400 cfm
 - MMSD Controlling flows and receiving 1,700 cfm
- Gas plant operating properly, no gas odors since March

D) Surface Water Management

- Rain events have raised the basin volumes minimally, but did flood cell excavation construction area

E) Odor Control

- Gas odor detected on access road to Phase 7

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- 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 2 pickers active
 - Pickers operating Resi-drop-off and mowing ditches during audit
 - Litter minimal
- H) Vehicle Impacts
 - US 45 dusty and dry
 - Site roads dusty and entrance severely potholed
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving MSW and Construction Demolition wastes ~1,100 TPD
- J) Rejected Loads
 - No rejected loads
- K) Residential Drop Off
 - E-Waste Container present
 - Site in operation during audit and boxes filling with use
 - Picker actively cleaning site during audit
- L) Other Comments
 - Contractor not active during audit due to ponding water in excavation. Side slope excavation ongoing since last audit.
 - Gas well collection well connections ongoing. Contractor active in Southeast corner of Phase 5

Construction Audit

A. Work Accomplished Today

GREEN FOR LIFE ENVIRONMENTAL (GFL) EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE July 2, 2021 TIME 1:54 PM
 Auditor on site at: Open Close

PREVIOUS DATE: June 25, 2021 Completed

WEATHER Clear Sunny, very windy WIND 10-20 Mph
 N S E W

TEMP Maximum 73 °F Minimum 60 °F B.P. 30.14

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
	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 at South edge of track 6
Working westward a bout top of
slope
No other working faces



Cover Material:

A/D/C - mostly auto fluff

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	# _____			
Shutdowns Since Last Audit:	# \emptyset			
Total Number of Wells	#	Under vacuum	#	
Flow to MMSD:	# 1,700	cfm		

700 cfm flare

Comments:

System continues to operate destruction around 2,400 cfm.

D. Surface Water Management:

Storm Events Since Last # 3 Est. Volume 2"

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

Rain has raised volumes in basins minimally but had an impact on excavation, which is currently flooded

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

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:

Pickers operating Resi-drop-off and moving during audit. Litter minimal

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 dusty and dry. Site roads dusty and entrance pathed

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:					7/2/2021	Form <input type="checkbox"/>
Tonnage:						

Comments:

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Boxes filling during audit. Site being actively cleaned during audit

L. Other Comments:

* Contractor no active during audit
more side welly slopes have been excavated
Base is flooded

* Well connections ongoing, Contractor
active at Southeast corner of
Phase 5

Auditor's Signature: _____

Date: 07/02/2021

Auditor's Printed Name: _____

Jo-Walter Spear, Jr

Management Signature: _____

Date: 7/2/21

Management Printed Name: _____

Daniel Otzelberger

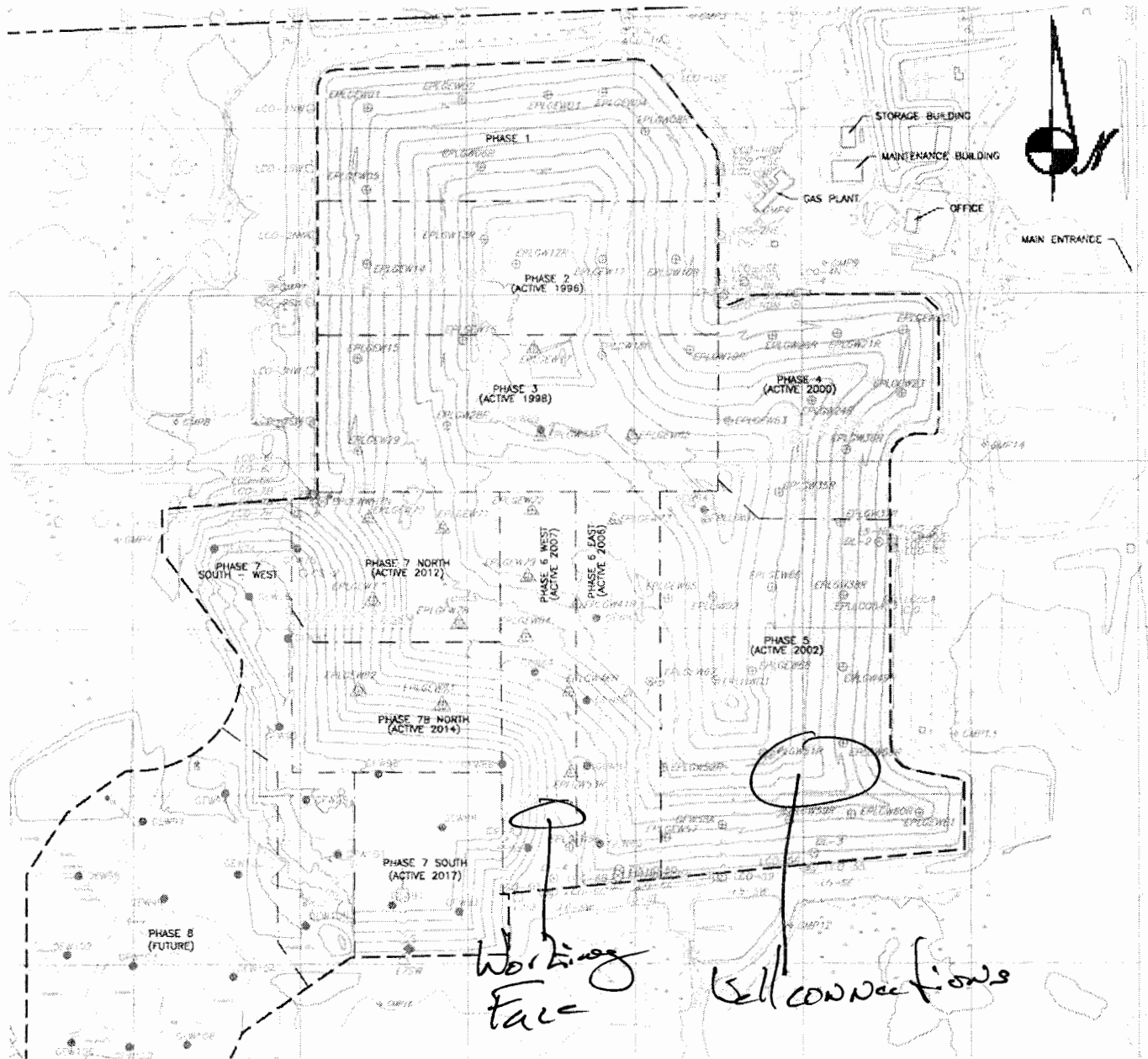
Management Title: _____

em

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



South slope of Phase 5 & 6, contractor at top of slope with excavator for connecting wells





Contractor connecting new wells with HDPE piping



East slope of Phase 5, awaiting see



South slope of Emerald Park, top soil being spread



Overview of new cell



Working face in Southeast corner of Phase 6 at top of slope



Working face in Southeast corner of Phase 6 at top of slope



Temp Sed Basin, well pumped down



Temporary Sedimentation Basin transition



New cell construction, base nearly prepared for liner deployment



New cell construction, base nearly prepared for liner deployment



New cell construction, base nearly prepared for liner deployment

**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