



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: 3/12/2021
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 February 28, 2021. The audit was performed at 2:45 PM on **March 4, 2021** by Jo Spear, Jr.; in the presence of Chad Seigel, the Site Manager.

The last audit was performed on February 24, 2021

The weather conditions were overcast where clear and sunny with high winds

The site has been thawing for more than a week

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

Contractor installing new pump in Phase 7 leachate vault

A) Working Face and Location

- Working face in middle of Phase 7
- No other working faces in operation
- Cover being placed is auto-fluff and other ADC
 - Numerous stock piles of ADC about active area

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Total destruction volume 2,400 cfm; 1,000 being delivered to MMSD
- One shutdown for a couple hours due to computer issues
 - system running well
- MMSD controlling flows.

D) Surface Water Management

- Site undergoing thaw, nearly all snow gone; basins still icy except for edges

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Temp sed basin pump has been restored
 - No storm events since last audit
- E) Odor Control
- No odors off site, minor gas odor near well on access road
- 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
 - Litter well spread due to winds
 - Pickers active on South side of Phase 5
- H) Vehicle Impacts
- US 45 dusty but clean with debris in turn lanes and one garbage bag in Northbound lane
 - 8 Mile clean
 - Site entrance very potholed, site roads clean
- I) Inspection of Incoming Waste
- Site operating with three equipment operators
 - Receiving MSW, ADCs and C&D ~1,000 TPD
- J) Rejected Loads
- No rejected loads
- K) Residential Drop Off
- E-Waste Container present
 - Site clean and boxes being emptied during audit
- L) Other Comments
- Odor issues and complaints have not been recorded since vault repairs in February
 - No other new activities or planned at activities

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 4, 2021
 Auditor on site at: Open Close

TIME 2:45 PM

PREVIOUS DATE: February 24, 2021 Completed

WEATHER Clear, Sunny, high winds WIND 10-25 Gusts
 N S W

TEMP Maximum 37 °F Minimum 21 °F B.P. 30.36

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	<u>Compactor</u>						
<u>2</u>	<u>Dozer</u>						
	<u>Excavator</u>						
	<u>Haul Truck</u>						
	<u>Water Truck</u>						
	<u>Grader</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face is middle of these 7.
No other working face
Numerous stockpiles of A/C



Cover Material:

Autograft

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:			#	4444 1
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 2,400	cfm		1,000 to MMSD

Comments:

*Computer shutdown for a couple hours early in week
System running well*

D. Surface Water Management:

Storm Events Since Last # 0 Est. Volume —

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

Site has been under going thaw since last audit. Warm days and freezing nights have removed most of the snow

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No offsite odor at one well area

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 well spread due to winds
Pickers on South side of these

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 but clean with debris in turn lane
and one garbage bag is North bound. Site clean
Site 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"/>	# 2
Random Load Inspection Date:	2/24/2021		Form <input type="checkbox"/>
Tonnage:	~ 1,000		

Comments:

HSR, ASD, and ADX

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

K. Residential Drop-off During Audit E-Waste Container Present

Boxes being emptied during audit, Site clean

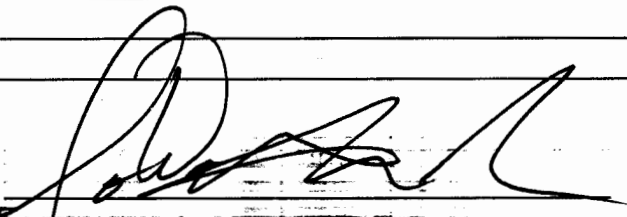
L. Other Comments:

* Odor Issues

No odors since vault repairs

* No new activities

Auditor's Signature:

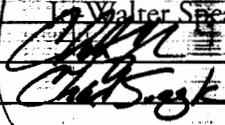


Date: 03/04/2021

Auditor's Printed Name:

Walter Spear, Jr.

Management Signature:



Date: 3-9-21

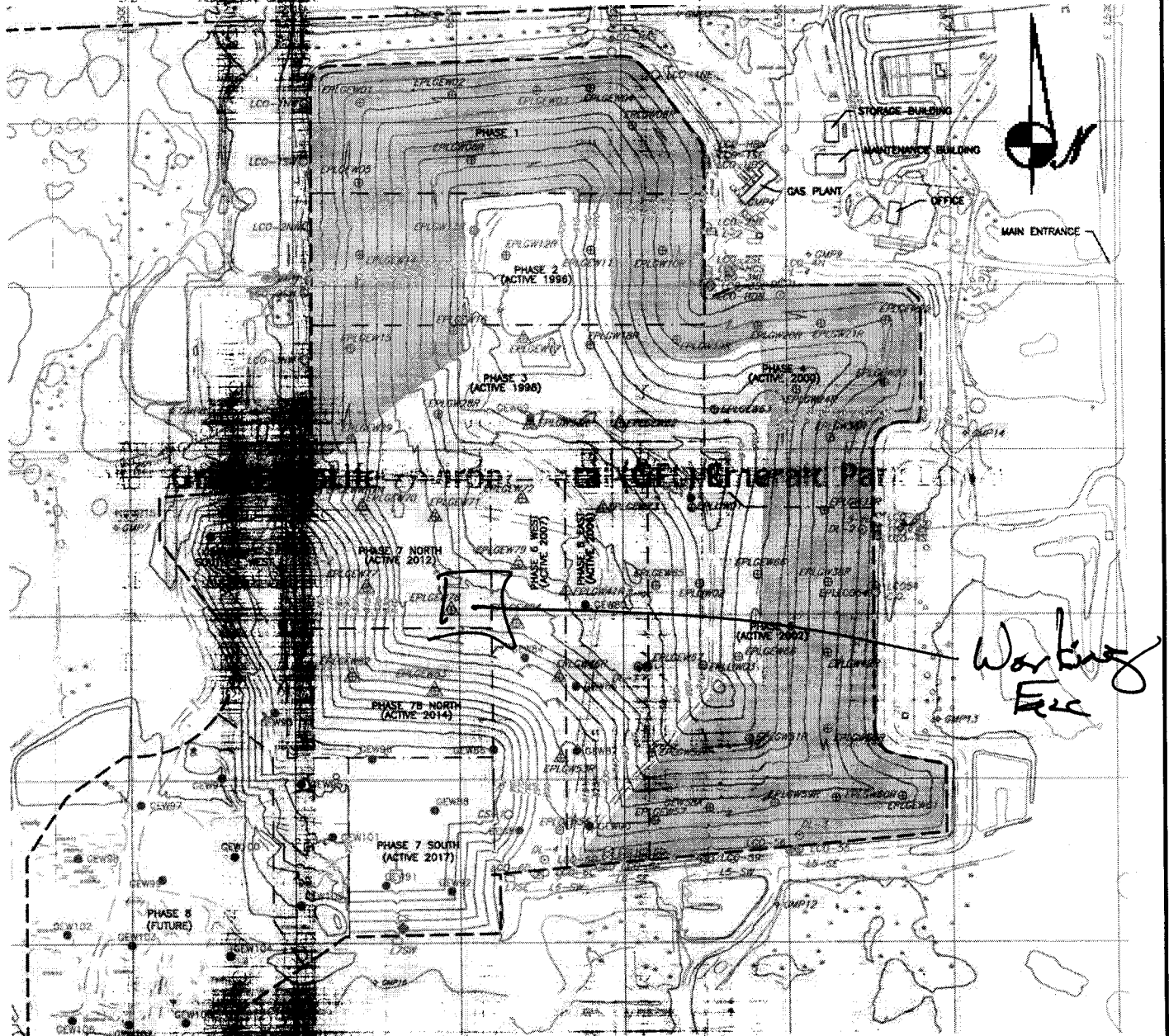
Management Printed Name:

Management Title:

JSA Principal Signature:

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



Acces road wraps up and arround to working face





Access to active area



Litter fencing being aligned with wind directions



Fence actively being relocated for litter control



Tippin in Phase 7 in rough middle



Temp sed basin, pump placed in thawed water



Temp sed basin beginning to thaw, pump is in place

**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