



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 February 14, 2021. The audit was performed at 11:00 AM on **February 19, 2021** by Jo Spear, Jr.; in the presence of Chad Seigel, the Site Manager.

The last audit was performed on February 10, 2021

The weather conditions were bright and sunny, after being overcast most of the day

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

No contractors in evidence

A) Working Face and Location

- Working face along East edge of center of active area, developing a protective berm or bench; to provide a safe area for future working faces in inclement weather.
- No other working faces in operation
- Cover being placed is auto-fluff

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Total destruction volume 2,500 cfm; 1,500 being delivered to MMSD
- Vacuum and destruction rates have been consistent since last audit
- MMSD controlling flows.

D) Surface Water Management

- Temp sed basin without pump
 - Temp sed basin frozen, pumping not viable
- One snow event since last audit

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Site conditions frozen
- E) Odor Control
 - Gas odor on US 45 only
- 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
 - Minimal litter due and heavy snow coverage
- H) Vehicle Impacts
 - US 45 and 8 Mile Road clean
 - Site entrance very potholed
- 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
 - Site in operation during audit with low utilization
 - Site clean
- L) Other Comments
 - Telemetry fully on line and in use
 - Tetrattech no longer on site to manage leachate flows
 - Leachate levels being checked by Site Manager

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

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

PROJECT NO. 1020.10030

DATE February 19, 2021

TIME 11:00

Auditor on site at: Open Close

PREVIOUS DATE: February 10, 2021 Completed

WEATHER Clear & Sunny

WIND S-10 MPH
N S E W

TEMP Maximum 19 °F Minimum 2 °F B.P. 30.23

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
	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 center of Phase 7
between South & South
No. of Working Faces



Cover Material:

Shredder Sluff

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:	# _____			
Total Number of Wastes:	All	Under vacuum	#	All
Flow to MMSD:	#	2,500	cfm	Total

Comments:

MMSD controlling flows
Vacuum and destruction consistent

D. Surface Water Management

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

Snow event since last audit, site frozen
and snow covered.

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Gas odors on US45, but not at WMWT

F. Liquid Loads Received

None

G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1

Comments:

Snow and conditions allow for minimal litter

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 & 2 Mile Clear
Site entrance very 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"/>	#	0
Random Load Inspection Date:	2/13/2021			Form <input type="checkbox"/>
Tonnage:	1,000 TPD			

Comments:

MSW, some C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

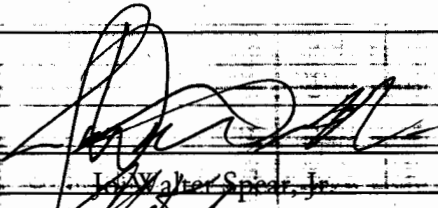
K. Residential Drop-off Present During Audit E-Waste Container Present

Site clear, low utilization

L. Other Comments:

* Telemeter on line and being improved leachate pumping control. Tetra tech no longer on site for leachate control

Auditor Signature:

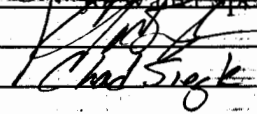


Date: 02/19/2021

Auditor's Name:

Jay Walter Spear, Jr.

Management Signature:



Date: _____

Management Printed Name:

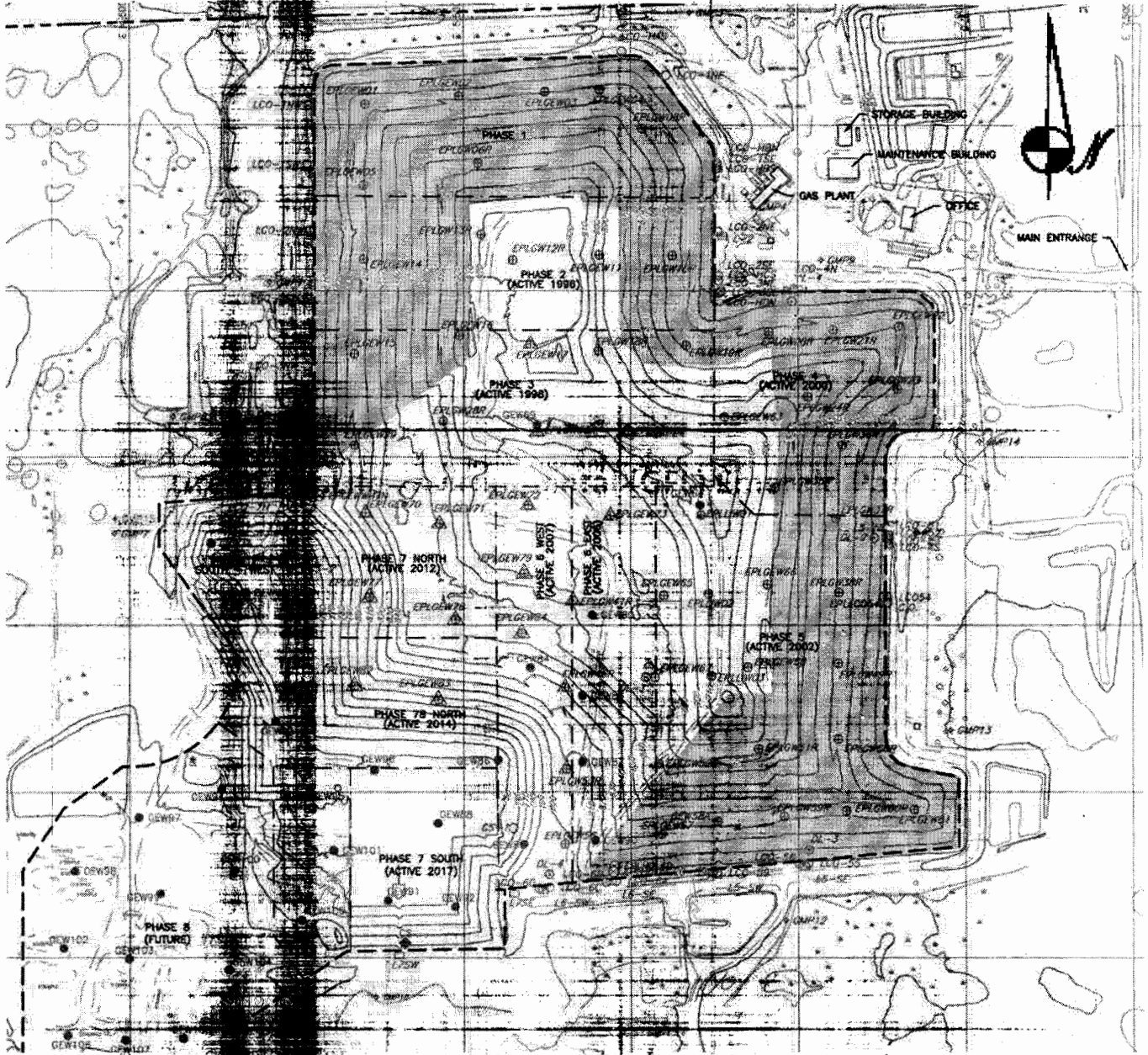
Chad Siegel

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



Active area, cleared of snow and receiving waste at top of working face, pushing down with equipment





View Southwest across Phase 7, tipping to the Left, ADC stockpiles to the right



Vehicles travel around outside edge of Phase 7 to reach working face on East side to tip above the waste



Phase 7, view from access point. Working face still on East edge

**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