



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 March 7, 2021. The audit was performed at 1:45 PM on **March 11, 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 very high winds

The site is nearly completely thawed, some ice in basins

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
- 1 Haul Truck

Contractor installing new pump in Phase 7 leachate vault

A) Working Face and Location

- Working face along East edge of Phase 7 at the top of the East slope
- No other working faces in operation
- Cover being placed is auto-fluff and other ADC

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Total destruction volume 2,400 cfm; 1,500 being delivered to MMSD
- No shutdowns since the previous audit
- MMSD controlling flows.

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- D) Surface Water Management
 - Site predominantly thawed and surprisingly dry after the process.
 - Basins have freeboard
 - Temp sed basin pump has been restored
 - No storm events since last audit
- E) Odor Control
 - No odors on and off site
- 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
 - Litter is evident in the median and along the ditches of US 45 that had been covered by snow previously
 - Litter well spread due to winds
 - Litter pickers active around entrance and office area during audit
- H) Vehicle Impacts
 - US 45 and 8 Mile clean, with the exception of litter
 - Site entrance very potholed, site roads clean
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving MSW, ADCs and small volume C&D ~1,000 TPD
- J) Rejected Loads
 - No rejected loads
- K) Residential Drop Off
 - E-Waste Container present
 - Site clean and boxes mostly empty
- L) Other Comments
 - Litter conditions on site very heavy due to winds
 - Offsite liter is a product of snow melt and not “new” litter
 - A berm is under construction in the Southwest corner of Phase 7 South at bottom of the slope to disperse and slow runoff and reduce erosion.

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 11, 2021
 Auditor on site at: Open Close

TIME 1:45 PM

PREVIOUS DATE: March 4, 2021 Completed

WEATHER Clear Sunny

WIND 20-30 MPH
 N S E W

TEMP Maximum 54 °F Minimum 30 °F B.P. 29.80

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

| No. | DESCRIPTION | Rented | Contracted | No. | DESCRIPTION | Rented | Contracted |
|-----|----------------------|--------|------------|-----|-------------|--------|------------|
| 1 | Compactor | | | | | | |
| 1 | Dozer | | | | | | |
| 1 | Excavator | | | | | | |
| 1 | Haul Truck | | | | | | |
| | Water Truck | | | | | | |
| | Grader | | | | | | |
| 1 | Excavator | | | | | | |

MAJOR EQUIPMENT BONEYARD

| No. | DESCRIPTION | Broken | Maintenance | No. | DESCRIPTION | Broken | Maintenance |
|-----|-------------|--------|-------------|-----|-------------|--------|-------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

A. Working Face Size and Location:

Working face along East edge of top of slope. No other working faces



Cover Material:

ADC - Shredder fluff and paper board

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 Wells | # All | Under vacuum | # All | |
| Flow to MMSD: | # 1,500 | cfm | | |

2400 cfm total

Comments:

MMSD controlling flows.

Stable operation other than high moisture alerts

D. Surface Water Management:

Storm Events Since Last # 0 Est. Volume 0

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

Site fully thawed and rather dry. Basin thawed with freezeboard

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No odors on or off 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 checked="" type="checkbox"/> | NO <input type="checkbox"/> | Ditch $\frac{1}{2}$ Mile and |
| Pickers Active: | YES <input type="checkbox"/> | NO <input type="checkbox"/> | # 2 |

Comments:

offer to litter along US45, was under snow
 Heavy winds catching litter along East fences

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 + 8 Mile clear. Site roads clear
 Entrance very rough

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"/> | # | |
| Spotter: | YES <input type="checkbox"/> | NO <input checked="" type="checkbox"/> | # | |
| Random Load Inspection Dates: | 3/1/2021 | | | Form <input type="checkbox"/> |
| Tonnage: | 1,000 TPD | | | |

Comments:

MSW, some C&D. Plenty of ADX

J. Rejected Loads:

| | Date/Time | Reason for Rejection |
|----|-----------|----------------------|
| 1. | | |
| 2. | | None |


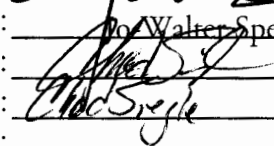
K. Residential Drop Off: Open During Audit E-Waste Container Present

Site clear, boxes mostly empty

L. Other Comments:

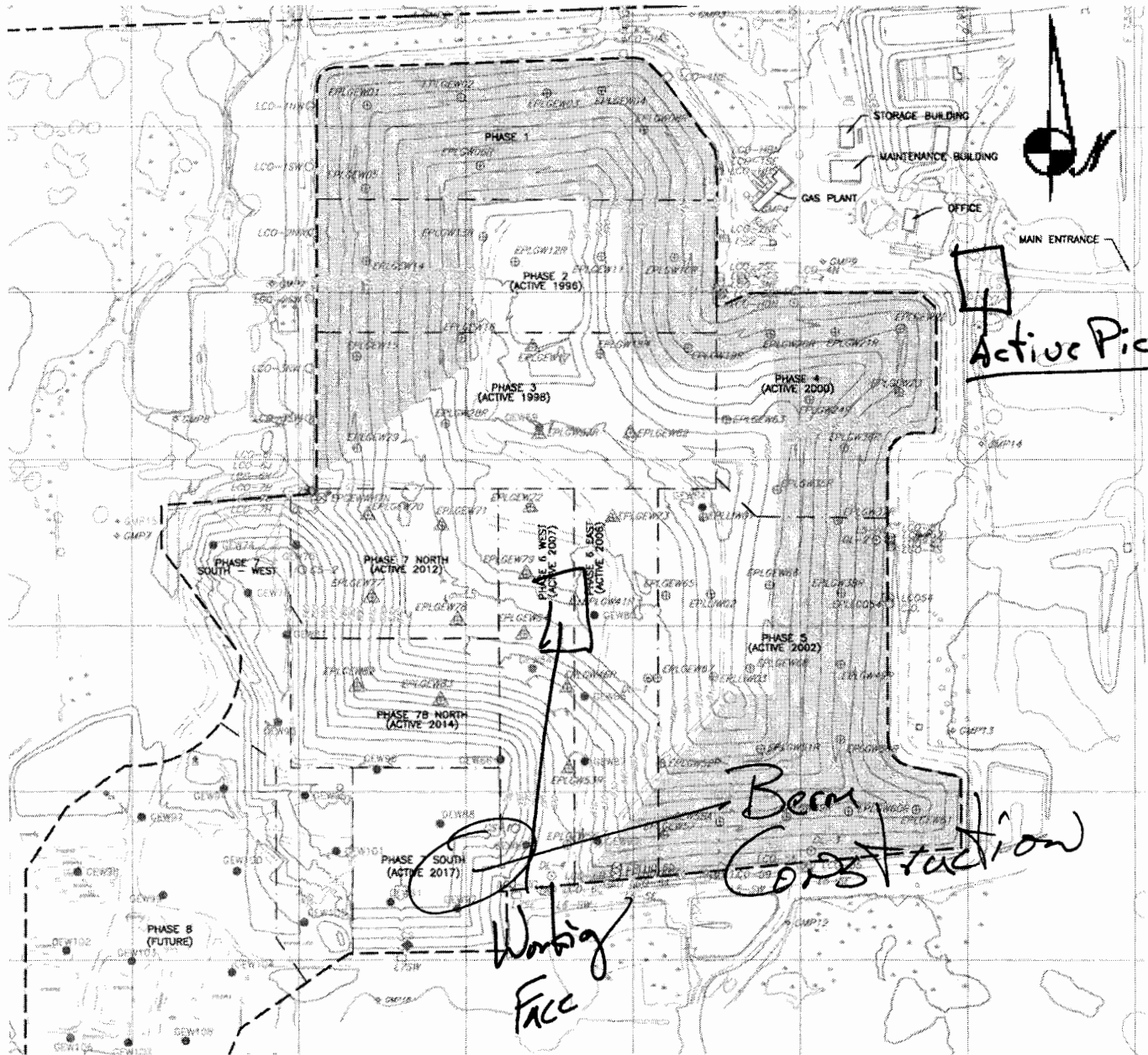
* Winds generating litter, picked up
about entrance ponds
Litter on US 45 old from snow
Litter today not leaving site

* Berm construction at toe of
Phase 7, South slope in Southwest
corner to slow runoff velocities
and reduce erosion

Auditor's Signature: 
Auditor's Printed Name: Walter Spear, Jr.
Management Signature: 
Management Printed Name: Eric Siegle
Management Title: _____
JSA Principal Signature: _____

Date: 03/11/2021
Date: 3-11-21
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



South slope of Phase 7. Berm being placed to control and slow runoff from upper slopes.





Working face with mobile fencing to catch litter on a high wind day



Working face at East edge of Phase 7, bare edge of slope.



Temp sed basin, pump is placed and the basin is well emptied



West slopes of Phase 7, temp sed basin in the far end of picture



Phase 7, viewed from Phase access in Northwest. Active area rapidly thawing



East of Phase 7, temp sed basin and future cells. Well frozen

**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 |
| | | | | | | | |
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