



## 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 31, 2021. The audit was performed at 12:01 PM on **February 3, 2021** by Jo Spear, Jr.; in the presence of Chad Seigel, the Site Manager.

The last audit was performed on January 28, 2021

The weather conditions were clear, sunny, balmy

### 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

#### A) Working Face and Location

- Working face in Southeast Corner of Phase 7 North, access by traveling about to East edge.
  - Working faces being developed to create protective ridge about top of landfill footprint
- No other working faces in operation
- Cover placed Autofluff and paper board

#### B) Leachate Management

- Leachate being pumped to MMSD treatment

#### C) Gas Monitoring and Management

- Consistent operation since last audit
- Total destruction volume 2,500 cfm; 1,250 being delivered to MMSD
- MMSD controlling flows.

#### D) Surface Water Management

- Temp sed basin without pump
  - Temp sed basin frozen, pumping not viable
- Large snow event on 1/31/2021; site is well plowed
- Site conditions frozen; however melt started today

Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos



- E) Odor Control
  - LFG odor in parking lot and along 8 Mile 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
  - Minimal litter due and heavy snow coverage
- H) Vehicle Impacts
  - US 45 tracked by WMWI, other wise clean and 8 Mile clean
  - Entrance getting rougher
- I) Inspection of Incoming Waste
  - Site operating with three equipment operators
  - Receiving MSW and low volume of other waste types ~1,000 TPD
- J) Rejected Loads
  - No rejected loads
- K) Residential Drop Off
  - E-Waste Container present
  - Boxes mostly empty
  - Site clean
- L) Other Comments
  - LFG possibly diffusing to 8 Mile Road. Onsite odors blown to parking lot
  - Site manager and JSA identified and investigated several areas of melt, but no odor or release was discovered.
  - Site manager identified the South end of Phase 7 South as the general area of the odor release.

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 February 3, 2021  
 Auditor on site at:  Open  Close

TIME 12:01

PREVIOUS DATE: January 28, 2021 Completed

WEATHER Clear, Sunny, balmy - higher temp than predicted

WIND 0-2 MPH Very low winds  
 N S E

TEMP Maximum 31 °F Minimum 25 °F B.P. 30.15

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

| No. | DESCRIPTION | Rented | Contracted | No. | DESCRIPTION | Rented | Contracted |
|-----|-------------|--------|------------|-----|-------------|--------|------------|
| /   | 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 across East edge of Phase 6 at top of slope headed South to make a protective ridge



Cover Material:

Cover with ADC, auto fluff & paperboard

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  | # $\rightarrow$                         |                             |                     |   |
| Shutdowns Since Last Audit: | # 0                                     |                             |                     |   |
| Total Number of Wells       | # All                                   | Under vacuum                | # All               |   |
| Flow to MMSD:               | # 1250                                  | cfm                         | Total Destuct: 2500 |   |

Comments:

MMSD controlling flow and flare use continuous  
continuous flow since last audit

D. Surface Water Management:

|                         |     |             |     |
|-------------------------|-----|-------------|-----|
| Storm Events Since Last | # 1 | Est. Volume | 73" |
|-------------------------|-----|-------------|-----|

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

Very large event on 1/31/11. Site is well plowed  
and some melt occurring today. Minimal chance  
for erosion

E. Odor Control:

Odors Present: Onsite  Offsite

Comments:

Odor of LPG in parking lot and on 3 Mile  
west of site pile perimeter to South

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"/>            | # |

Comments:

Litter very minimal due to snow covering and low 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 blocked by WMTW, 3/4 mile clear site entrance getting rougher

I. Inspection of incoming Waste:

|                               |       |                                     |    |                                     |           |                               |
|-------------------------------|-------|-------------------------------------|----|-------------------------------------|-----------|-------------------------------|
| Scale Camera Operator:        | YES   | <input checked="" type="checkbox"/> | NO | <input type="checkbox"/>            | #         |                               |
| Equipment Operator:           | YES   | <input checked="" type="checkbox"/> | NO | <input type="checkbox"/>            | #         |                               |
| Spotter:                      | YES   | <input type="checkbox"/>            | NO | <input checked="" type="checkbox"/> | #1        |                               |
| Random Load Inspection Dates: | YES   |                                     |    |                                     | 1/29/2021 | Form <input type="checkbox"/> |
| Tonnage:                      | 1,000 |                                     |    |                                     |           |                               |

Comments:

slow, 2 ED, 1 AD

J. Rejected Loads:

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

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

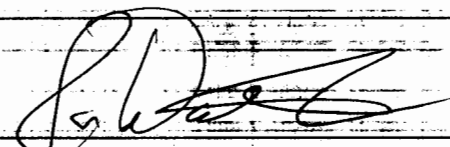
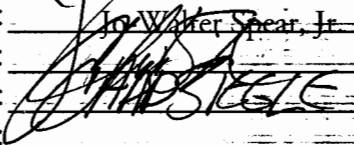
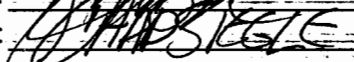
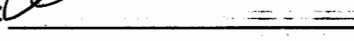
Site clear, boxes empty

L. Other Comments:

\* LFG ~~was~~ possibly tracking by diffusion south to 8 Mile road  
On site ~~was~~ wind blown to parking lot  
but not evident on USHS

\* Possible bit of gas release at top  
edge of Phase 6, South slope  
No other noticeable snow melt other  
than travel areas, Location is a under

\* Site ~~was~~ on South end of  
Phase 7 per site manager  
Contractor actively testing and  
investigating system today

Auditor's Signature:   
Auditor's Printed Name: Joe Water Spear, Jr.  
Management Signature:   
Management Printed Name:   
Management Title:   
JSA Principal Signature: \_\_\_\_\_

Date: 02/03/2021

Date: 2-3-21

Date: \_\_\_\_\_

# Green For Life Environmental (GFL) Emerald Park Landfill Audit M



Opposite Odor



**ADVANCED DISPOSAL SERVICES  
EMERALD PARK LANDFILL / CITY OF MUSKEGO  
AUDIT PHOTOS**

PROJECT NO. 1012.10030



Repair to connections between wells to insure gas containment







Overview of Phase 7



Tipping of trucks in Southeast corner of Phase 7 North



Phase 7, berm about top of Phase to allow waste placement in inclement weather



Access into Phase 7



Phase 7 viewed from the Northwest, right hand road goes to working face; left hand road allows access of staff to LFG management wells

**ADS Emerald Park Landfill  
Action Items Checklist  
City of Muskego Audit**

Opened: 05/28/2020

Updated: 01/09/2014 - Cleared

| Item Number | DATE<br>month/date/year | Condition Description                        | Permit or<br>Contract<br>Reference | Initial<br>Schedule<br>for<br>Completion | Observed<br>Completion<br>Date | Elapsed<br>Time<br>(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 &<br>RD&D<br>Permit            | ASAP                                     | 11/06/2020                     | 153                       | Site management addressing issue,<br>DNR serviing an NOV |
|             |                         |  |                                    |  |                                |                           |  |
|             |                         |  |                                    |  |                                |                           |  |
|             |                         |  |                                    |  |                                |                           |  |
|             |                         |  |                                    |  |                                |                           |  |
|             |                         |  |                                    |  |                                |                           |  |
|             |                         |  |                                    |  |                                |                           |  |
|             |                         |  |                                    |  |                                |                           |  |