

# *JSA* Environmental

## ADS Emerald Park Landfill Audit Summary

**To:** ADS Emerald Park Landfill Standing Committee, City of Muskego  
**FROM:** Jo-Walter Spear, Jr., P.E.  
**COPIES:** File  
**DATE:** 10/22/2020  
**PROJECT NUMBER:** 1012.10030

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Due to the COVID-19 pandemic, JSA Environmental and Advanced Disposal are engaging CDC guidelines and common sense.

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of October 18, 2020. The audit was performed at 12:35 PM on **October 21, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the Operations Manager.

The last audit was performed on October 16, 2020

The weather conditions were clear skies, with high clouds, and dry

### **Landfill Operations Audit:**

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

The operation required the use of:

- 1 compactor
- 2 bulldozers.

Contractors were operating:

- 1 excavator
- 2 haul truck
- 1 bulldozer

#### A) Working Face and Location

- Working face at South end of Phase 7 South, bringing new lift Northward
- Cover being added on previous lift to the West
- No other working faces
- Site is using Autofluff and site soil

#### B) Leachate Management

- Leachate being pumped to MMSD treatment
  - Site finished with the use of filter boxes at drip legs and temp sed basin

#### C) Gas Monitoring and Management

- MMSD controlling flow rates
- Delivery of 1,300 cfm to MMSD

Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos



- Total destruction volume 2,500 cfm; substantial increase after well placements
  - No Shutdowns since last audit, except for connections
- D) Surface Water Management
- Sprinkling rain since last audit.
  - Basins have plenty of freeboard
  - Temp sed basin fully restored and regraded
- E) Odor Control
- No offsite odors detected
    - No complaints received since last audit
  - No onsite odors detected
- 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
- Advanced is limiting pickers on the site to minimize risk
  - Two pickers active on site
  - Site litter minimal
- H) Vehicle Impacts
- US 45 clean except for turn lanes which have debris
    - Union Church clean
  - Site roads are gritty, entrance patched with crushed stone
- I) Inspection of Incoming Waste
- Site operating with three equipment operators and two contractors
  - Receiving MSW, sludges, ADCs, and C&D ~1,800 TPD
- J) Rejected Loads
- No rejected loads
- K) Residential Drop Off
- E-Waste Container present
  - Site closed during audit, boxes mostly empty, and site clean
- L) Other Comments
- Travelway erosion in Phases 4 & 3, Northeast and West slopes respectively
  - Sump restored and will be covered
  - Rainflap restored and slope reconstructed, access road added to West side of Phase 7, toe of slope
  - Gas improvements completed and horizontal collection well being connected to vacuum during audit
  - New lines connected over Phase 5 to restore vacuum on East side of footprint

Attachments:

Action Items List / Landfill Operations Audit Form  
 Audit Photos

ADVANCED DISPOSAL SERVICES EMERALD PARK LANDFILL  
 LANDFILL OPERATIONS AUDIT FORM  
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE October 21, 2020  
 Auditor on site at:  Open  Close

TIME 12:35 PM

PREVIOUS DATE: October 16, 2020 Completed

WEATHER Overcast with sun, very dry WIND 0-10 MPH  
 N  E W

TEMP Maximum 51 °F Minimum 42 °F B.P. 30.18

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	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 in South end of Phase 7 South  
cover being improved over previous  
lift during audit



Cover Material:

Shredder fluff, site soil

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	# Cont			
Shutdowns Since Last Audit:	#			
Total Number of Wells	#	Under vacuum	#	
Flow to MMSD:	#	1,300	cfm	2,800 cfm

Comments:

MMSD controlling flows

Increase in conjunction with new wells

D. Surface Water Management:

Storm Events Since Last # 1 Est. Volume 2

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

Sprinkling rain since last audit

Basins drained Temp Sed basins restored

E. Odor Control:

Odors Present: Onsite  Offsite

Comments:

No odors

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"/>	# 1

Comments:

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 43 clear except for turn lanes

Site roads gritty, entrance 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 checked="" type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:					10/14/2020	Form <input type="checkbox"/>
Tonnage:	1,300 TPD					

Comments:

Msw, sludges, C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Boxes mostly empty, site clean

L. Other Comments:

\* travelway erosion on Phase 4 & 3

\* Sump restored

\* Rain flap restored and slope reconstructed.

\* Gas improvements completed. Horizontal well completed to Vacuum today

\* New lines connected over Phases to restore vacuum.

Auditor's Signature: \_\_\_\_\_

Auditor's Printed Name: \_\_\_\_\_

Management Signature: \_\_\_\_\_

Management Printed Name: \_\_\_\_\_

Management Title: \_\_\_\_\_

JSA Principal Signature: \_\_\_\_\_

Date: 10/28/2020

Date: 10/21/2020

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

# Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Overview of Phase 7, West edge and temp sed basin, viewed from North







Restored and filled sump in Phase 7



Excavation of soils as needed for construction of road and possibly cover



Rainflap repair complete, contractor placing road at base of slope



Run of rainflap repaired and temp sed basin regraded



Sump backfilled with stone, more stone will be placed and then cover placed over



Previous lift along West slope of Phase 7, creates a protected area for current waste placement



Working face in South end of Phase 7, offset from top of West slope



Working face in South end of Phase 7, offset from top of West slope



Phase 7 South, viewed North to South



High point in Phase 3, on top of soils

**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			Site management addressing issue
2	05/28/2020	Leachate elevations above maintenance levels	POO & RD&D Permit	ASAP			Site management addressing issue, DNR serviing an NOV