

# 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:** ~~XXXXXX~~ 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 4, 2020. The audit was performed at 12:40 PM on **October 9, 2020** by Jo Spear, Jr.. Due to Auditor illness, the auditor did not meet with site staff. Instead, Chad Siegle; the Operations Manager; was contacted by phone to discuss site operations.

The last audit was performed on September 30, 2020

The weather conditions were clear skies, with high clouds, sunny, 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
- 1 Water Truck

#### A) Working Face and Location

- Working face at South end of Phase 7 South, East and adjacent of previous lift placed along West slop of Phase 7 South, protecting area from winds
- No other working faces
- Site is using Autofluff for daily cover

#### B) Leachate Management

- Leachate being pumped to MMSD treatment
  - Leachate from Sump in Phase 7 being pretreated by filter box prior to tankering offsite

#### C) Gas Monitoring and Management

- MMSD controlling flow rates
- Shutdown on 10/09/2020 due to high oxygen content
- System repaired and restored by end of day, 10/09/2020

#### D) Surface Water Management

- Basins appear to be well drained

Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos



- Litter removed in shallow areas since previous audit
  - Site very dry
- E) Odor Control
- No odors detected on or off site
  - Auditor did not have access to active area or 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
- Advanced is limiting pickers on the site to minimize risk
  - One pickers active on site
  - Site relocated fences prior to high winds to reduce litter
  - Site litter minimal
- H) Vehicle Impacts
- US 45 and Union Church clean and turn lanes clean
  - Site roads are dusty, entrance patched with crushed stone
  - Water truck active to address dust conditions during audit
- I) Inspection of Incoming Waste
- Site operating with three equipment operators and two contractors
  - Receiving MSW, soil projects, and C&D ~1,800 TPD
- J) Rejected Loads
- None
- K) Residential Drop Off
- E-Waste Container present
  - Site very active during audit
  - Boxes reaching capacity and site clean
- L) Other Comments
- All vertical wells installed and piped to surface. Connections to system and application of vacuum to occur in following week.
  - Construction of 800 foot horizontal gas collection trench planned for next week
  - Rainflap repair scheduling ongoing

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 9, 2020 TIME 12:40 PM  
 Auditor on site at: Open  Close

PREVIOUS DATE: September 30, 2020 Completed

WEATHER Clear, Sunny, dry - high clouds WIND 10-35 MPH  
 N  E W

TEMP Maximum 79 °F Minimum 61 °F B.P. 29.92

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face at Southern end of Phase 7 South, running adjacent to lift placed along  
West slope of Phase 7 South, protecting area from winds  
No other working faces



Cover Material:

Autofluff

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
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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	#					<u>Continuous</u>
Shutdowns Since Last Audit:	#					1
Total Number of Wells	#	<u>All</u>	Under vacuum	#	<u>All</u>	
Flow to MMSD:	#	<u>NA</u>		cfm		

Comments:

Shut down on 10/09/2020 due to high oxygen content. System repaired and restored by  
end of day 10/09/2020.

D. Surface Water Management:

Storm Events Since Last	#	<u>0</u>	Est. Volume	<u>0</u>
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins appear to be well drained, litter removed in shallow areas since last audit

Site very dry

E. Odor Control:

Odors Present:	Onsite	<input type="checkbox"/>	Offsite	<input type="checkbox"/>
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Comments:

No odors detected 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 type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

Litter very well controlled in high winds, manager states fences were relocated prior to wind shift and speed increase. 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 45 and Union Church clean and dry. Site roads dry, but with minimal dust; water truck active during audit. 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 type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	10/08/2020			Form <input type="checkbox"/>
Tonnage:	1,800 TPD			

Comments:

MSW, C&D, and some soil projects

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Site very active during audit. Boxes reaching capacity. Site clean

L. Other Comments:

\* All vertical wells completed and piped to surface. Connections to system and application of vacuum to occur the following week.

\* Construction of Horizontal collection trench/well to occur the following week.

\* Rainflap repair scheduling ongoing

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

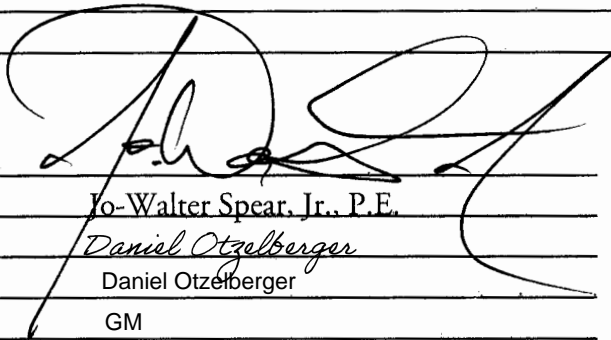
Auditor's Printed Name: \_\_\_\_\_

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

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

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

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

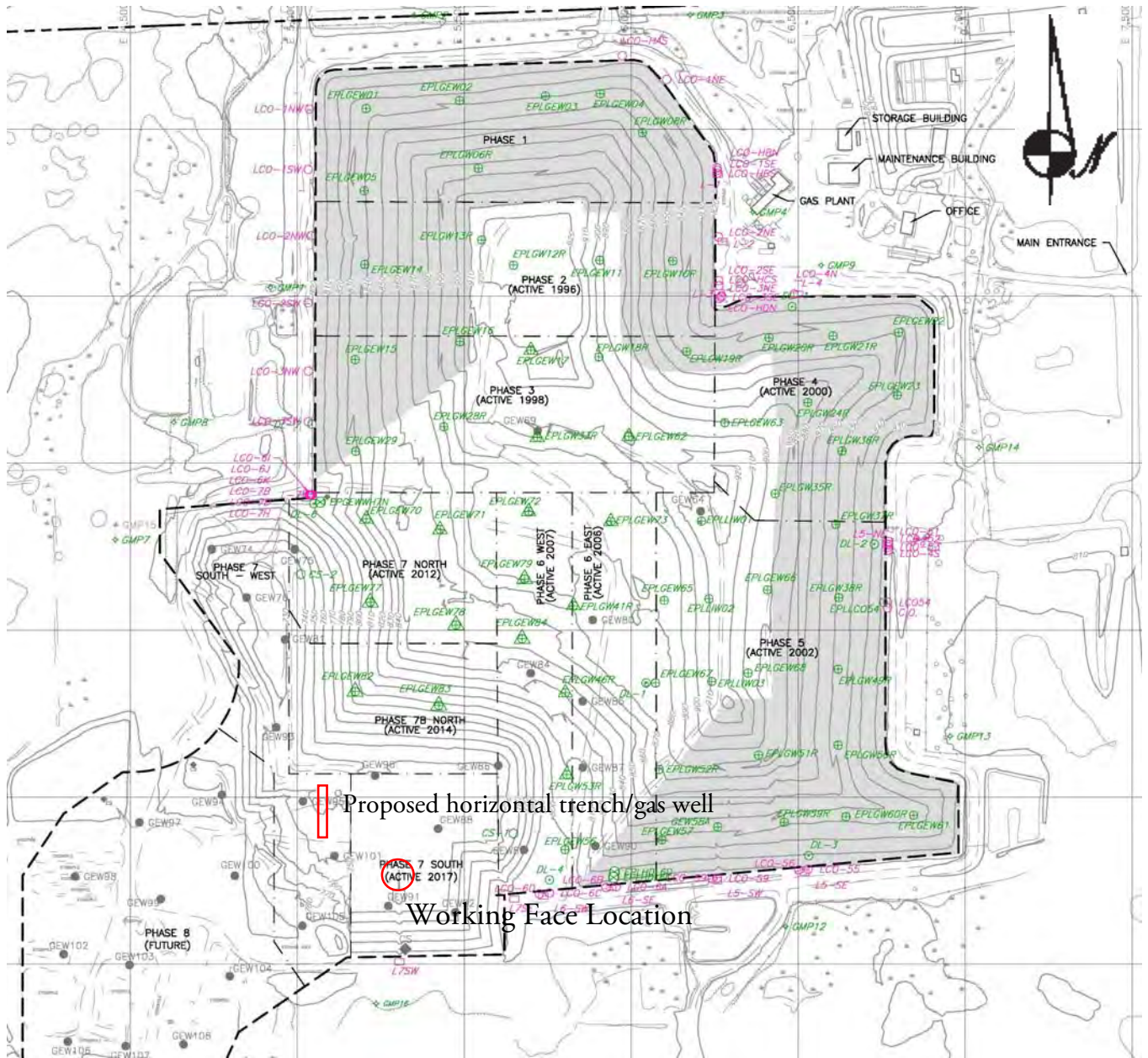


Date: 10/12/2020

Date: 10/22/20

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

# Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Phase 3, erosion from haul truck activities on West slope







Phase 3 & 7 viewed from a distance and the West, note erosion on "left" of image from haul truck travel



Phase 7 viewed from a distance and the West



East slope of Phase 1, view of bio and direct soils



Erosion in back ground from vehicle travel



Erosion from the travel of vehicles on the slope of Phase 4



Drill rig in Phase 7 placing replacement gas well

**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