



## MEMORANDUM

# 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:** 11/22/13

**PROJECT NUMBER:** 1012.10030

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Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of November 11, 2013. The audit was performed at 12:25 PM on **November 13, 2013** by Jo Spear, Jr. in the presence of Brett Coogan.

### Landfill Operations Audit:

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

- Working face still in moving Eastward across Phase 7
  - Receiving MSW, landfill direct &
  - Small volume of Bio-soil received in Phase 2 & 3
- One compactor, 1 Dozers and 1 excavator in use during audit
  - Second compactor in for repair
- Using Autofluff for cover; stockpiled & ready
- Leachate discharging to MMSD; landfill leachate at maintenance levels
- One blower in operation; no flares in use
  - Approximately 1,500 cfm flowing to MMSD
  - System operating 24/7
- No storm events since last audit
  - Basins & ditches starting to freeze
- Odor noticeable in parking lot
- One liquid loads this week
- Litter catching in fences around parking areas
  - Litter on site
  - Two pickers working
- US 45 & 8 Mile Road clean
  - Site roads dusty; some litter due to wind
- Tipping scale camera in use; 1 equipment operator; no spotter
  - Approximately 1,400 tons per day

### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos



## MEMORANDUM

- Accepting landfill direct & small volumes of Bio-soil
- No rejected loads
- Residential drop-off area clean
  - Containers cleaned & empty
- High winds making litter control difficult, but no off-site litter
- Gas system operating per design

### Construction Audit Notes:

- Sand gradient layer complete
- Clay partially in place; sideslopes still Pto be finished
- Liner deployed over about 1/2 Phase
- Two compactors, 3 dozers, 1 excavators and 3 haul trucks in use
- One excavator down for repair

### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos

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

Opened: 5/09/2013

Updated: 5/09/2013

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	5/09/2013	Seep in Rainflap, Southwest corner of Phase 7		ASAP	06/06/2013	28	All contact water is being treated as leachate and pumped back into Phase 7. Repaired liner with welds.
2	07/25/2013	Construction entrance open and unattended	NR530.10(11)	ASAP	07/25/2013	0	David Geier, Site Manager, closed and locked gate during audit

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

PROJECT NO. 1020.10030

DATE November 13, 2013  
 Auditor on site at: Open  Close

TIME 12:25

WEATHER Clear Sunny, gusting winds

WIND 10-35  
 N  S  E  W

TEMP Maximum 70 °F Minimum 30 °F

B.P. 30.34

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	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 of fill moving Eastward  
across Phase 7. Receiving MSW, Landfill  
direct, and a small volume of Bio Sol  
in Phase 2 & 3



Cover Material:

Auto stuff in use and stockpile

B. Leachate Management:

Discharge to MMSD  Recirculation

Phases: Every sump at maintenance

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	#	NA		
Shutdowns Since Last Audit:	#	NA		
Flow to MMSD:	#	1500	cfm	
Vegetation Condition:	Good <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

System operating 24/7

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:

Basins and ditches starting to freeze

E. Odor Control:

Odors Present: Onsite  Offsite

Comments: Odors in parking lot

F. Liquid Loads Received:

One this week



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"/>	# 2

Comments:

Litter being caught in fences about parking lot.

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 53 & 8 Mile Clean,  
Site roads, dusty & some litter due to winds

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"/>	#	
Random Load Inspection Dates:				
Tonnage:	~ 1,400			

Comments:

Landfill direct & small volumes of Bio

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Clean & empty containers



M. Other Comments:

\* High winds making litter control difficult  
but no offsite litter

\* Gas system needing per design

Auditor's Signature: \_\_\_\_\_  
Auditor's Printed Name: \_\_\_\_\_  
Management Signature: \_\_\_\_\_  
Management Printed Name: \_\_\_\_\_  
Management Title: \_\_\_\_\_  
JSA Principal Signature: \_\_\_\_\_

*[Handwritten Signature]*  
J. Walter Spear, Jr.  
*[Handwritten Signature]*  
Brett Cobyan  
PLANT SUPERVISOR

Date: 4/13/13  
Date: 11/13/13  
Date: \_\_\_\_\_





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

PROJECT NO. 1020.10030

DATE November 13, 2013

TIME 7:42

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
2	Compactor						
3	Dozer						
1	Excavator						
5	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

Finishing clay and sideslopes to finish  
 clay & remaining liner deployment.  
 Liner deployment progressed to 1/2 Phase



B. Excavations / Soil Management:

NA

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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Auditor's Signature: [Signature]  
Auditor's Printed Name: Joe Walter Spear, Jr  
Management Signature: [Signature]  
Management Printed Name: BRETT CARLSON  
Management Title: PLANT SUPERVISOR

Date: 11/13/15  
Date: 11/13/15

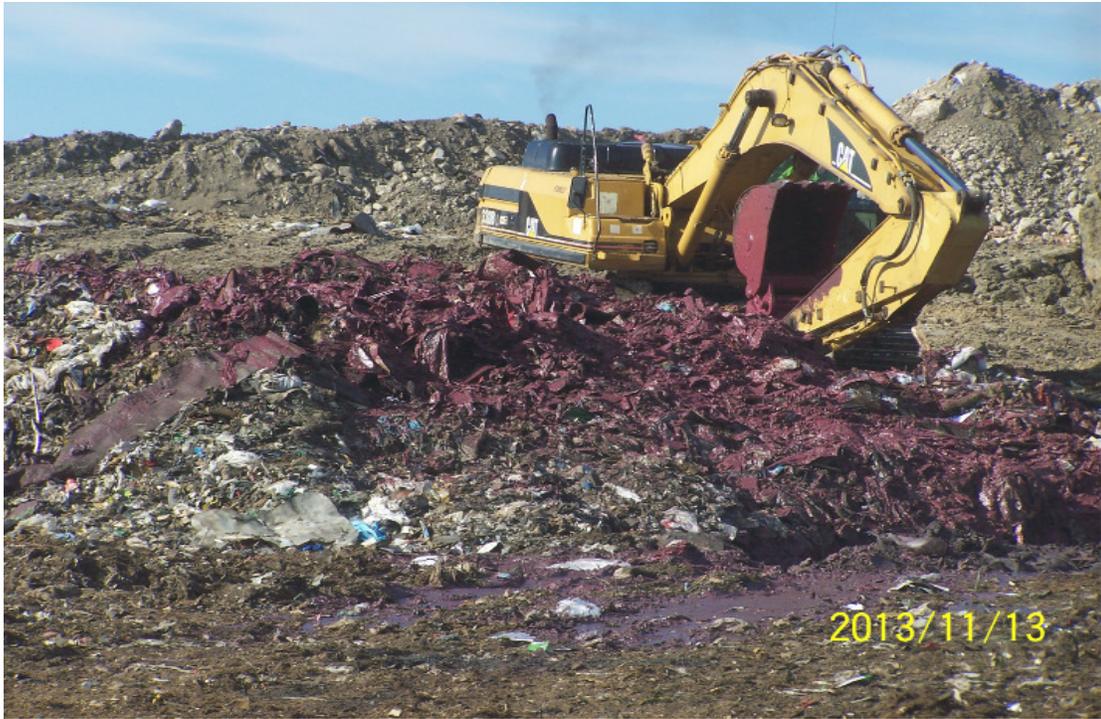


**ADVANCED DISPOSAL SERVICES  
EMERALD PARK LANDFILL / CITY OF MUSKEGO  
AUDIT PHOTOS**

PROJECT NO. 1012.10030



Active area, viewed from North over Phase 4



Working face digging pit for liquid wastes



Working face



HDPE plastic liner deployed on Monday 11/11/13



HDPE plastic liner deployed on Monday 11/11/13



Clay base liner



Clay base liner still being worked West of HDPE liner placement