



## 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:** 09/13/2013  
**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 September 9, 2013. The audit was performed at 11:05 pm on **September 13, 2013** by Jo Spear, Jr. in the presence of David Geier.

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

- Working face now over old access road to Phases 6 & 7
- Road surface being removed prior to waste placement
- No other working face
- Sand and landfill soils used for cover
- Autofluff supply low
- One compactor & 2 Dozers in use during audit
- Leachate discharging to MMSD
- Vegetation looking good
- One flare and one blower in operation; one shutdown since last audit
- Gas building struck by lightning on 9/8
- Lightning damaged systems
- Back-up flare was lit
- Regular flare returned to operation on 9/13
- One storm event since last audit estimated >.5"
- Basins mostly dry
- Slopes & erosion repair sites showing vegetative growth
- Gas odor at South end of Phases 5 & 6
- Garbage odors at working face
- Liquid loads periodic
- Minimal litter on site
- One picker operating residential drop-off
- US 45 & 8 Mile Road clean; site roads dusty

Attachments:  
Action Items List / Landfill Operations Audit Form  
Audit Photos



## MEMORANDUM

- Tipping scale camera in use; 3 equipment operators; no spotters
- Random load inspection on 9/11/13
- Approximately 1,600 TPD
- MSW only coming in
- Residential drop-off clean; e-waste container present
- Metal volumes up
- All identified rils repaired and seeded with exception of those in Phase 6 where flume is to be installed
- Additional seeding needed at ditch lines
  
- Construction audit
  - Excavations are into all gray clays
  - Anticipating construction of gradient layer in two weeks
  - 3 Dozers, 2 Excavators, and 5 Haul Trucks working
- No quality control or quality assurance, yet
- Some sandy or brown material among gray clays in stock pile
- No seams apparent in excavation area.

### 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 September 5, 2013  
 Auditor on site at: Open  Close

TIME 3:15

WEATHER Clear Sunny

WIND 10-15  
 (N) S E (W)

TEMP Maximum 72 °F Minimum 54 °F

B.P. 30.28

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						
<u>1</u>	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:  
Working face in Phase 7 at Eastern  
edge. Access road filling will begin  
tomorrow connecting Phase 7 & Overlap  
of Phase 5. No other working faces



Cover Material:

C&D Materials, Landfill soils  
Autofluff not being supplied until passes test

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	#	NA		
Shutdowns Since Last Audit:	#	NA		
Flow to MMSD:	#	0	cfm	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

MMSD Not ready to receive gas

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 drying, no rain events only  
Water from wetting roads

E. Odor Control:

Odors Present: Onsite  Offsite

Comments: No odors

F. Liquid Loads Received:

Periodic



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" 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:

Waste being covered No litter

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 1/2 mile clean, all roads dusty

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"/>	#	2
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	0
Random Load Inspection Dates:	8/31/2013			
Tonnage:	1,683 TPD			

Comments:

MSW only

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Rest area clean



M. Other Comments:

\* Access road to the Northwest completed  
old road being removed and filled with MSW  
\* Seeded areas showing some greening  
needs rats, out of reach for watering

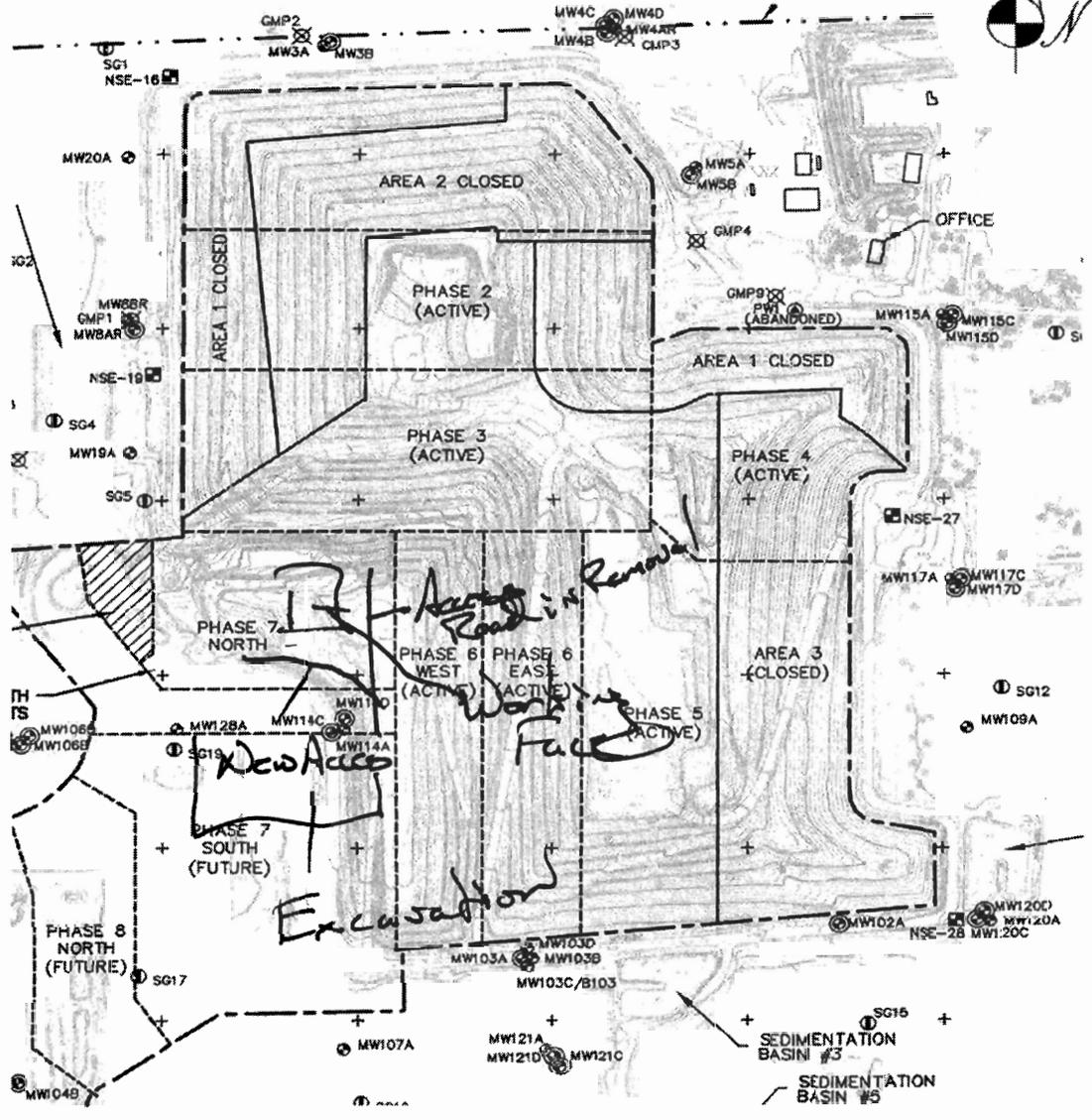
Auditor's Signature: [Signature]  
Auditor's Printed Name: Jo-Whitney Spear Jr  
Management Signature: [Signature]  
Management Printed Name: David Geier  
Management Title: Operations Manager  
JSA Principal Signature: \_\_\_\_\_

Date: 9/6/13  
Date: 9-5-13  
Date: \_\_\_\_\_



# ADS EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



**JSA**  
 CIVIL ENVIRONMENTAL  
 ENGINEERS

WWW.JSACIVIL.COM  
 325 WEST VINE STREET  
 MILWAUKEE, WI 53212-3606

LANDFILL AUDIT MAP

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

PROJECT NO. 1020.10030

DATE September 5, 2013 TIME 3:38

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

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

A. Work Accomplished Today (Scheduled & Completed):

Excavation continues, hopeful to be "flipping" clay for liner construction at end of September.

Flipping is using clay from one portion left "high" to be constructed as liner in a completed area.



B. Excavations / Soil Management:

NA

C. Off Site Hauling

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

\_\_\_\_\_

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Auditor's Signature: [Signature] Date: 9/5/08  
Auditor's Printed Name: Jo-Walter Spear, Sr  
Management Signature: [Signature] Date: 9-5-13  
Management Printed Name: David Coeier  
Management Title: Operations Manager



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

PROJECT NO. 1012.10030



New ramp to left, old access straight ahead to be removed and filled with waste, lain over  
Phase 5/6



Dozer moving cover



Working face



Active area



Temp sed basin nearly dry, no rain



Excavation area



Outer edge of excavation



Clay excavation



Excavation activities nearly at grad



South and West slope of Phase 7



Excavation spreading out from temp sed basin grade



Excavation nearly at grade



Eastern most stockpile in Future Parkland