



## 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:** 12/30/2013  
**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 December 9, 2013. The audit was performed at 7:45 AM on **December 12, 2013** by Jo Spear, Jr. in the presence of David Geier.

### Landfill Operations Audit:

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

- Working face for MSW in Phase 7; adjacent to Phase 3
  - Receiving and C&D wastes
  - Filling shallow areas to complete slope in Phase 7
  - Materials from previous cleanout moved to working face by excavator and haul truck
- One compactor, 2 Dozers and 1 excavator in use during audit
  - D6 dozer waiting repairs
- C&D used for pre-cover; finished with autofluff
- Leachate discharging to MMSD; no recirculation
- One blower in operation; no flares
  - Flare used as needed due to freezing temperatures
  - Approximately 750 cfm to MMSD
  - Freezing issues stop delivery; volume restored during warmer periods
- One storm events since last audit; approximately 1"
  - Site conditions frozen; no flowing water on site
  - Snow on site
- No odors
- Liquid loads are periodic
- Litter present on site; clear off-site
  - Additional pickers today
  - Five pickers working
- US 45 & 8 Mile Road clear; but dusty

### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos



## MEMORANDUM

- Tipping scale camera in use; 4 equipment operators; no spotter
  - Approximately 1,500 tons per day
  - C&D loads used to cover MSW
- Residential drop-off area clean and in operation
- Area recently cleaned

### Construction Audit Notes:

- Leachate collection layer finished
- Liner system will not be completed this year
- Equipment shaping access roads to enable equipment access to Phase 8
- One dozer, 1 excavator and 2 haul trucks active

### 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 December 12, 2013  
 Auditor on site at:  Open  Close

TIME 7:45

WEATHER Clear, some Sun, Brisk

WIND 0-10  
 N 0 E 0 W

TEMP Maximum 19 °F Minimum -2 °F

B.P. 17.99

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	<u>Compactor</u>						
<u>2</u>	<u>Dozer</u>						
<u>1</u>	<u>Excavator</u>						
	<u>Haul Truck</u>						
	<u>Water Truck</u>						
	<u>Grader</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	<u>DeDozer</u>						

A. Working Face Size and Location:

Working face in Phase 7 against Phase 3  
receiving MSW and C&D wastes.  
Previous cleanout areas being moved to working face  
by excavator and haul trucks.



Cover Material:

CD pre cover & then Antiflyff follow up

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 type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	# When Needed due to freezing			
Shutdowns Since Last Audit:	# NA			
Flow to MMSD:	# 750 cfm			
Vegetation Condition:	Good <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Freezing issues have stopped delivery but is quickly restored

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	21"
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Snow event since last audit, Frozen conditions on site

E. Odor Control:

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

No odors

F. Liquid Loads Received:

Periodic



G. Litter Control:

Litter Present Onsite:	YES <input 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"/>	# 5

Comments:

Additional pickers today

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 & 8 Mile Clean, but 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"/>	#	4
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	12/6/13			
Tonnage:	1,500 TPD			

Comments:

C&D & MSW being received. C&D aiding in cover.

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Area cleaned up



M. Other Comments:

~~22~~

Lined area for handwritten comments.

Auditor's Signature:

*[Handwritten Signature]*

Date: 12/12/13

Auditor's Printed Name:

Sp. Walter Spear, Jr

Management Signature:

*[Handwritten Signature]*

Date: 12-12-13

Management Printed Name:

David Gelet

Management Title:

Operations Manager

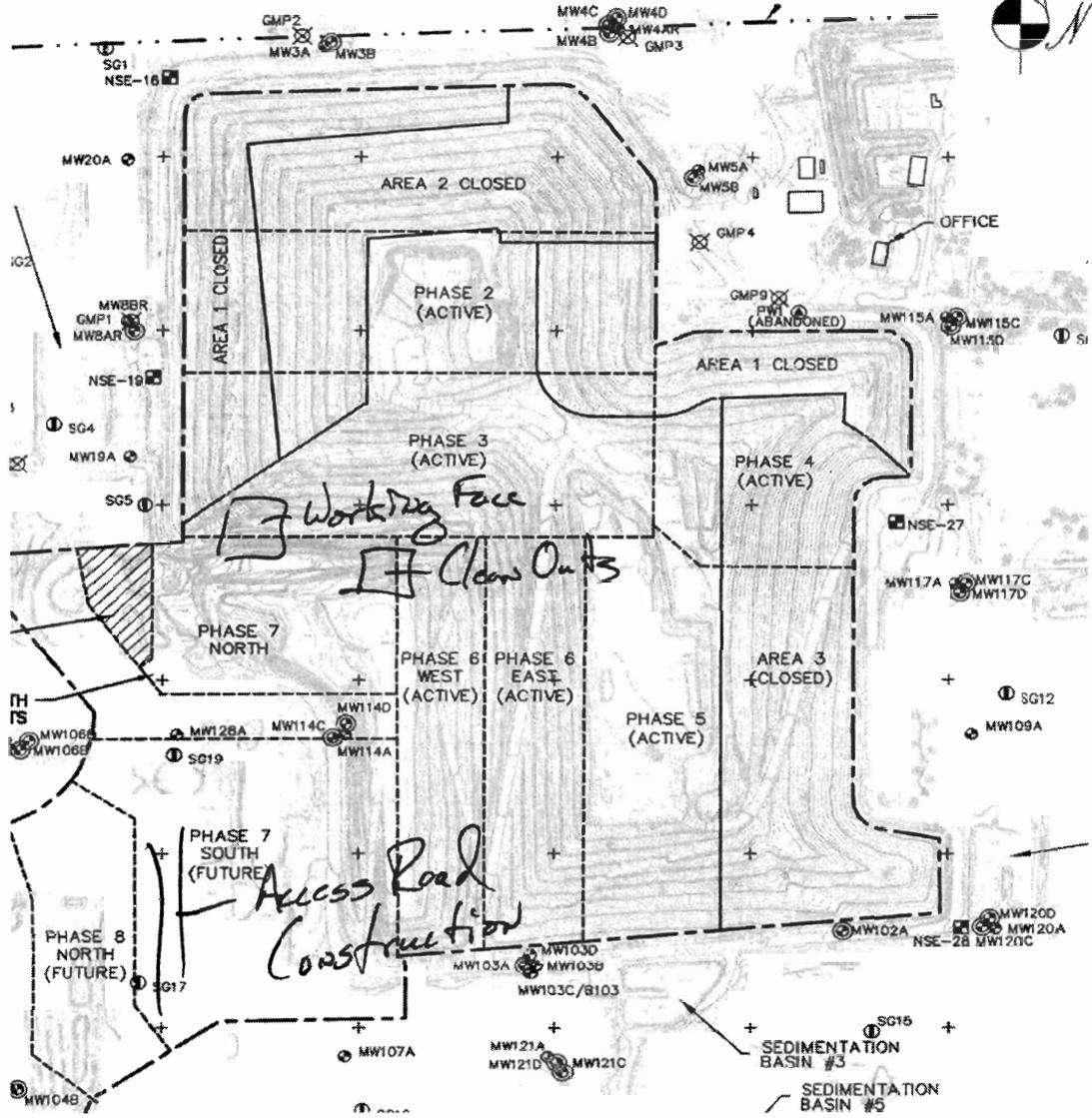
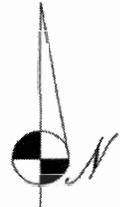
JSA Principal Signature:

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



# ADS EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



**JSA**  
 WWW.JSACIVIL.COM  
 325 WEST VINE STREET  
 MILWAUKEE, WI 53212-3606  
 CIVIL ENVIRONMENTAL  
 ENGINEERS

LANDFILL AUDIT MAP

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

PROJECT NO. 1020.10030

DATE December 12, 2013

TIME 8:30

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

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

A. Work Accomplished Today (Scheduled & Completed):

*Finish spreading of leachate collection layer*

*Equipment clearing access road for equipment to get into Phase 3 for operations.*



B. Excavations / Soil Management:

*Minor excavation for access*

C. Off Site Hauling

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Auditor's Signature: *[Signature]*  
Auditor's Printed Name: *J. Walter Spaulding*  
Management Signature: \_\_\_\_\_  
Management Printed Name: \_\_\_\_\_  
Management Title: \_\_\_\_\_

Date: *12/12/13*  
Date: \_\_\_\_\_



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

PROJECT NO. 1012.10030



Clean out area from previous days activities being moved to Working face



Working face



Working face



C & D stock pile to be used to improve cover



Phase 8



Leachate collection layer of Phase 8, West edge with berm.



Excavater developing equipment access road to Phase 8