



## 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:** 12/11/2013

**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 2, 2013. The audit was performed at 11:20 AM on **December 6, 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 two areas; Phase 7 and at junction of Phases 4 & 5
  - Receiving MSW only; no soils; little C&D
  - Filling shallow areas to complete slope in Phase 7
  - Soil loads received earlier in the week
- One compactor, 1 Dozer and 1 excavator in use during audit
  - Using backhoe to remove frozen loads from containers
- Autofluff & C&D used for cover
- Leachate discharging to MMSD; no recirculation
- One blower in operation; no flares
  - Flare used occasionally
  - 750 cfm to MMSD
  - Half contract supply delivered MMSD
- No storm events since last audit
  - Site conditions frozen; no flowing water on site
  - Seeding schedule when possible
- No odors
- Liquid loads are periodic
- Litter present on site; clear off-site
  - Three pickers active
  - Pickers addressing litter from 12/5/2013
- 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; 1 equipment operator; no spotter
  - Approximately 1,500 tons per day
  - Small soil volumes; primarily MSW
  - No rejected loads
  - Random load inspected 11/29/13
- Residential drop-off area clean and in operation
  - Containers available to public
- Gun range in operation during audit
- Lateral repair completed on Southwest corner of Phase 3
- Soil placement over excavation complete

### Construction Audit Notes:

- Placing drainage media for leachate collection this week
- Liner system will not be completed this year
- DNR to establish berm requirements next week
- One dozer, 1 haul truck and 1 front end loader in use
- Access road to cell complete

### 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 1 December 6 2013  
 Auditor on site at: Open  Close

TIME 11:20

WEATHER Clear Bristk

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

TEMP Maximum 20 °F Minimum 4 °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						
1	Buckshee frozen loads						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working faces for MSW in Phase 7 and  
in Phase 4/s, filling in shallow areas  
and completing slope.  
Soil loads received earlier in the week



Cover Material:

CFD and Autoglyf

B. Leachate Management:

Discharge to MMSD  Recirculation

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	# Occasional			
Shutdowns Since Last Audit:	#			
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:

half supply to MMSD

D. Surface Water Management:

Storm Events Since Last # 0 Est. Volume

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

Site conditions frozen, no flowing water on site

E. Odor Control:

Odors Present: Onsite  Offsite

Comments:

No Odors

F. Liquid Loads Received:

Periodic



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"/>	#	3

Comments:

Pickers addressing litter from 12/5/2013

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 & 3 Mile Clean, site roads dusty

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:	11/29/13			
Tonnage:	1,500 TPD			

Comments:

Small soil volumes, primarily MSW

J. Rejected Loads:

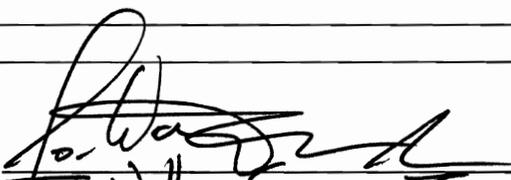
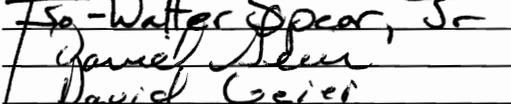
	Date/Time	Reason for Rejection
1.		None
2.		

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



M. Other Comments:

\* Gun range in use during audit  
\* Lateral repair completed on Southwest corner of Phase 3, soil placement over excavation completed as well

Auditor's Signature:   
Auditor's Printed Name: So-Walter Spear, Jr.  
Management Signature:   
Management Printed Name: David Geier  
Management Title: Operations Manager  
JSA Principal Signature: \_\_\_\_\_

Date: 12/6/13

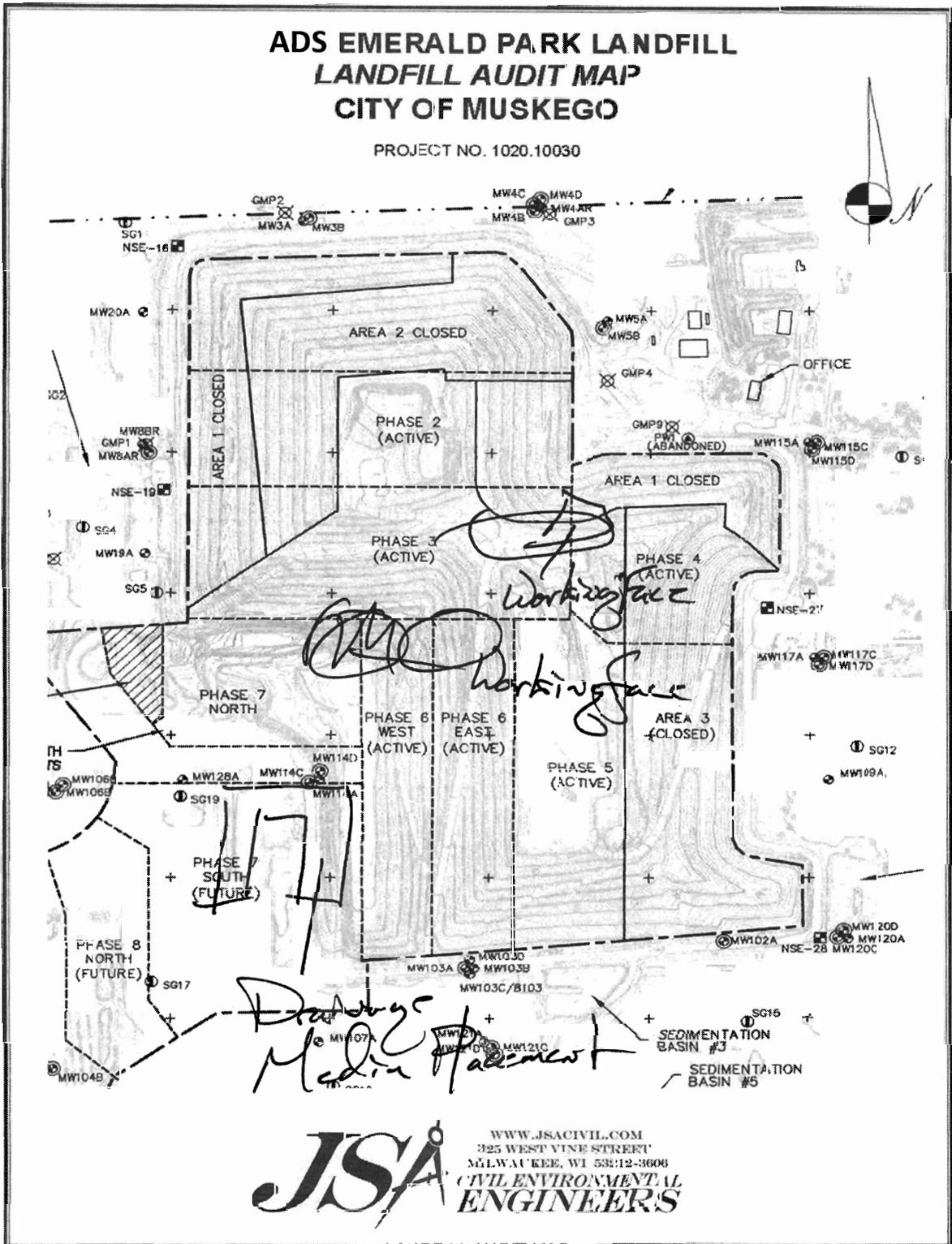
Date: 12/6/13

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 53112-3606  
 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 6, 2013 TIME 11:30 AM

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor						
1	Dozer						
	Excavator						
1	Haul Truck						
	Water Truck						
	Sweeper						
1	Front End Loader						

A. Work Accomplished Today (Scheduled & Completed):

\* Drainage media being placed for leachate collection

\* Liner foot print will not be completed this year. DNR to establish berm requirements next week.

\* Access Road to Cell completed



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		

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Auditor's Signature: *[Signature]*  
Auditor's Printed Name: Walter Spear Jr  
Management Signature: \_\_\_\_\_  
Management Printed Name: \_\_\_\_\_  
Management Title: \_\_\_\_\_

Date: 12/6/13  
Date: \_\_\_\_\_



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

PROJECT NO. 1012.10030



Working face



Working face, excavator digging out frozen loads



Active area around working face



Cleanout area



Working face, past lift



East side of Phase 9



West side of Phase 9



Phase 9 drainage blanket installation



Access pad constructed above cell base for delivery of drainage media and eventually waste



Access road construction to new cell



Sump and West edge of Phase 9



Lateral repaired on West slope of Phase 3