



Memorandum

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 12/29/15
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of December 14, 2015. The audit was performed at 12:00 PM on **December 16, 2015** by Jo Spear, Jr. in the presence of Brett Coogan, Operations Manager.

Landfill Operations Audit:

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

- Working face on North slope of Phase 7 where Phases 1,2 & 7 intersect
 - This is a protected area, sheltering tipping operations from winter weather conditions
 - Working face is small, about ¼ acre
 - No other working faces
- One compactor, one dozer, two excavators, one haul truck and one roll-off truck on site
- Site soils and previously tipped soils used for daily cover

- All leachate discharging to MMSD; no recirculation
- MMSD restricting gas delivery; low flow
 - Delivering approximately 900 cfm
 - One flare and one blower operating during audit
 - Site flaring excess collected gases
 - Vegetation in fair condition

- Numerous showers since last audit
 - Rain three days in a row
 - Site muddy, but no additional erosion
- Garbage odor especially in active area
- Liquid loads periodic

- Litter on-site; clear off-site
 - On-site litter trapped on ground due to rain
 - Two pickers working
 - Site still cleaning up after late November wind & storms
- US 45 and 8 Mile Road wet, but clean; site roads gritty and muddy
 - Tracking near active area

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 1,500 TPD
 - MSW, special wastes and C&D; no soil loads this week
 - No rejected loads
- Residential drop-off site clean
 - E-waste container present
 - Boxes emptied during audit

Comments:

- Removing access road into working face prior to waste placement
- Minor ditch cleaning underway about Phase 5
 - Additional repairs will be done after ground is dry or frozen
- Temporary sediment basin full, still some freeboard
 - Actively pumping during audit

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated: 01/09/2014 - Cleared

Item Number	DATE <small>month/date/year</small>	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



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

PROJECT NO. 1020.10030

DATE December 16, 2015
 Auditor on site at: Open Close

TIME 11:15

WEATHER Overcast, on 1/2 off rain

WIND 10-25
 N E W

TEMP Maximum 48 °F Minimum 29 °F B.P. 29.64

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on North slope of Phase 7, intersection of Phases 1, 2, & 7. Protected area for winter tipping. Working face small, about 1/4 acre.
No other working faces



Cover Material:

Site soils and previously tipped soils

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		#	Continuous					
Shutdowns Since Last Audit:		#	None					
Flow to MMSD:		#	900	cfm				
Vegetation Condition:	Good	<input type="checkbox"/>	Fair	<input checked="" type="checkbox"/>	Poor	<input type="checkbox"/>	Dead	<input type="checkbox"/>

Comments:

MMSD restricting delivery of gas, site flaring excess

D. Surface Water Management:

Storm Events Since Last	#	4	Est. Volume	
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Numerous events, small storms & showers three days in a row site muddy but not additional erosion

E. Odor Control:

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

Garbage odor about active area

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"/>	# 1

Comments:

Litter trapped on the ground by rain
 Site still clearing up from late November winds

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US46 & 8 Mile wet, clean, no tracking
 Site roads, gritty, muddy, tracking near active area

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:				
Tonnage:	1,500 TPD			

Comments:

MSW, Special, and C&D No Soils

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

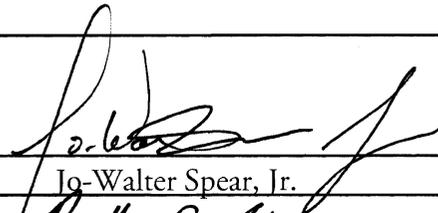
Residential Drop Off:	Open During Audit <input type="checkbox"/>	E-Waste Container Present <input checked="" type="checkbox"/>
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Boxes being emptied during audit

M. Other Comments:

- * Access road into working face being removed prior to waste placement
- * Minor ditch cleaning about phase 5 additional repairs will have to wait for dry or frozen conditions for equipment access
- * Temp basin full, but with free board actively pumping during audit

Auditor's Signature:



Date: 12/16/15

Auditor's Printed Name:

J. Walter Spear, Jr.

Management Signature:



Date: 12/16/15

Management Printed Name:

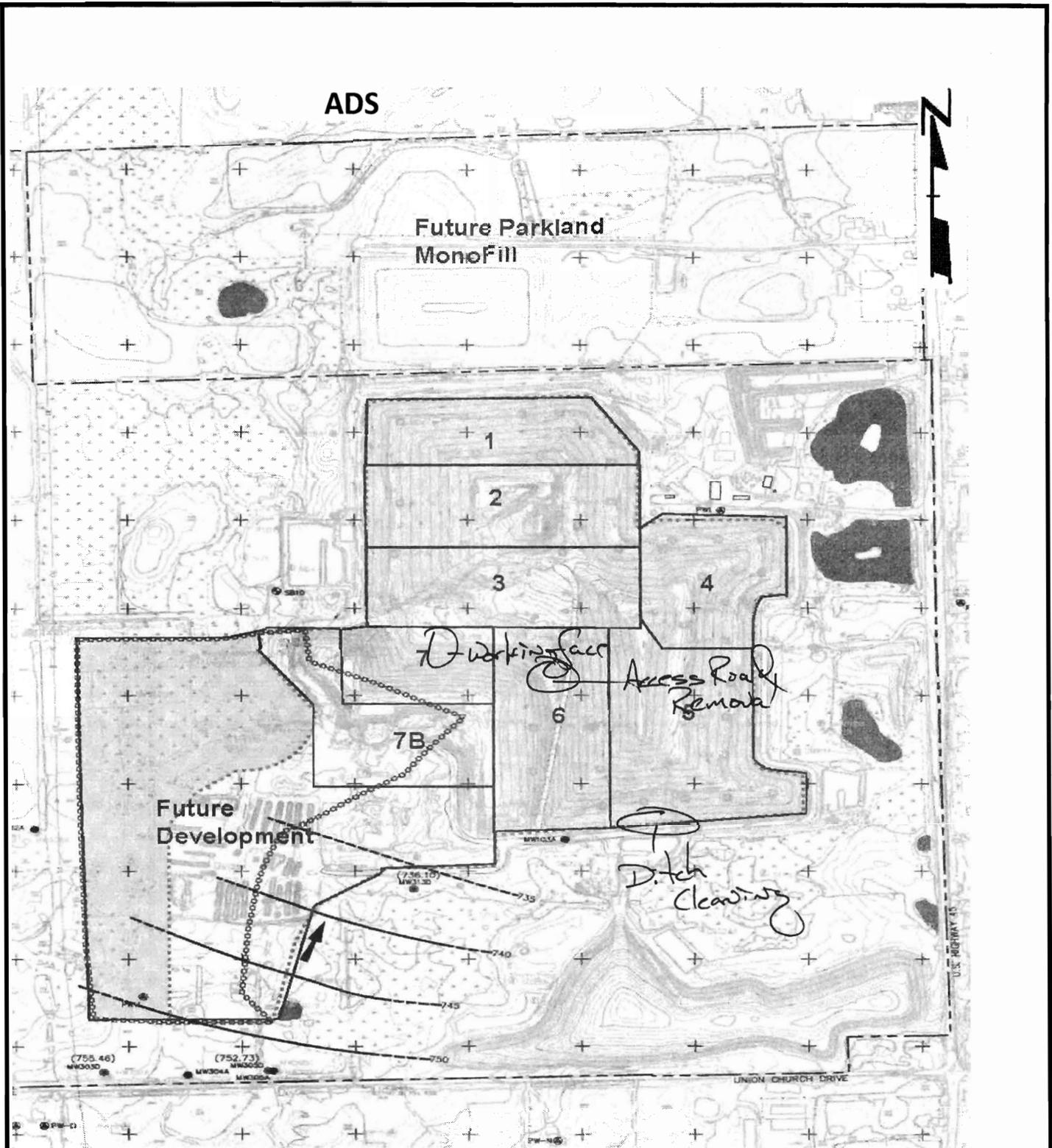
BRETT COOGAN

Management Title:

OPS MNGR

JSA Principal Signature:

Date: _____



Advanced Disposal Services Emerald Park Landfill
 Landfill Audit Map
 City of Muskego
 Project No. 1020.10030



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

PROJECT NO. 1012.10030



Active area and working face



Overview of active area from the North



East and access to Phase 7



Excavator removing previously used access road



Active area, working face on the right



Equipment parking area with some ponding from rains. Southwest corner of Phase 6



Excavation at Equipment parking to drain rain water into waste mass. Southwest corner of Phase 6



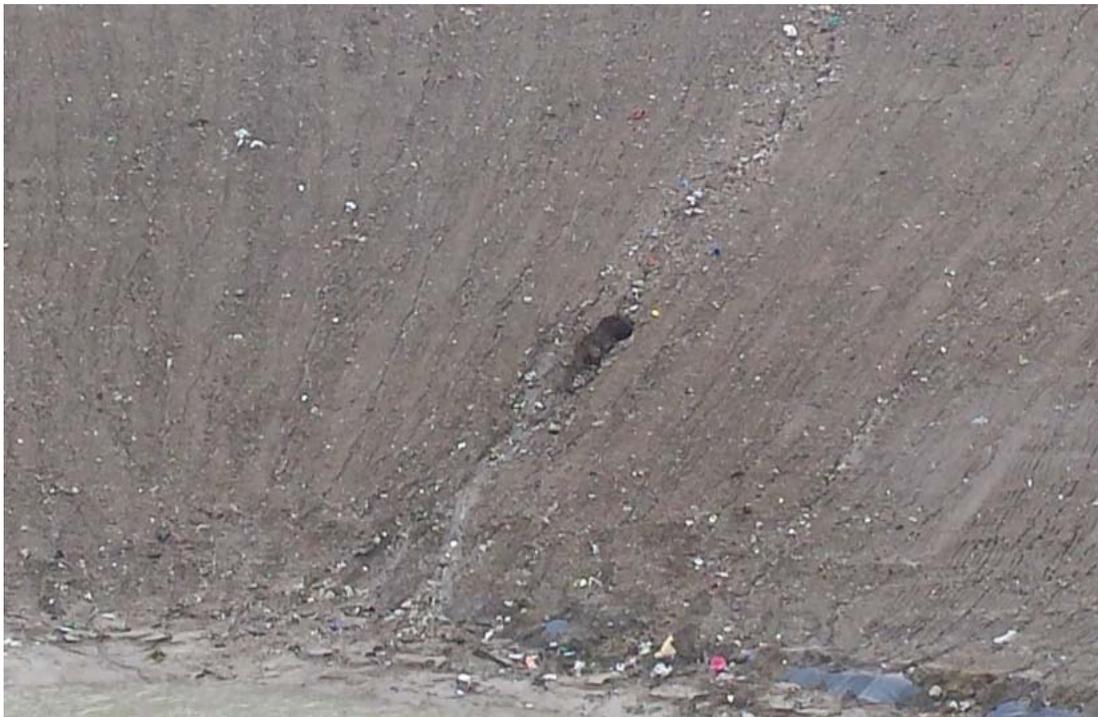
Recently covered, previous working face, at top of West slope of Phase 7B



West slope of Phase 7&7B at Northwest corner, large ril, but no apparant new erosion



West slope of Phase 7&7B, does not appear to have additional rills



Deep rill in West slope of Phase 7&7B, no waste exposed