



Memorandum

ADS Emerald Park Landfill Audit Summary

TO: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 7/26/16
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of June 5, 2016. The audit was performed at 11:00 AM on **June 9, 2016** by Jo Spear, Jr. in the presence of Scott Croft, Landfill Gas Technician.

Landfill Operations Audit:

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

- Overcast sky; possible rain
- Working face in Western slope at juncture of Phases 3 & 7
 - Filling to bring settled area back to grade
 - Soils stockpiled around working face to protect slope & drainage
- One compactor, 2 bulldozers, 2 excavators and one haul truck working on site
- Recovered soils and site soils used to daily cover

- All leachate discharging to MMSD; no recirculation
- No gas flow to MMSD; MMSD controlling gas flow
 - One flare and one blower in operation
 - Continuous flare and blower use
 - Gas plant shut down completely

- One storm event since last audit; less than 1"
 - Basins nearly dry
 - Temporary sedimentation basin dry
- Erosion repairs beginning to green up nicely
- No odors
- Liquid loads periodic

- Litter on-site; clear off-site
 - Minimal litter on-site due to favorable wind direction
 - One picker working
- US 45 and 8 Mile Road clean; site roads dusty

- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 1,800 TPD

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Incoming loads are MSW, special waste and C&D
- Random load inspection 5/25/16
- No rejected loads

- Residential drop-off site clean
 - E-waste container present, but over-full
 - Site clean

Comments:

- Backhauled clay from Emerald Park going to Mallard Ridge
 - Sand and stone from Mallard Ridge hauled to Emerald Park on return

- Leachate seep In West slope of Phase 7 fully repaired

- New outbound scale installation completed

- Gas well extensions expected before end of month

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

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

Opened:

Updated: 01/09/2014 - Cleared

Item Number	DATE month/date/year	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 June 9, 2016
June 6, 2016
 Auditor on site at: Open Close

TIME 11:05

WEATHER Overcast, possible rain

WIND 10-25
 N S W

TEMP Maximum 72 °F Minimum 60 °F B.P. 30.00

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in western slope of
Phase 3 & 4 juncture, slope recovery
from settlement plus soils
stockpiled about working face to
protect slope & drainage



Cover Material:

Recovered Soils & site 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		#	—			
Shutdowns Since Last Audit:		#	—			
Flow to MMSD:		#	—		cfm	
Vegetation Condition:	Good	<input type="checkbox"/>	Fair	<input type="checkbox"/>	Poor	<input type="checkbox"/>
					Dead	<input type="checkbox"/>

Comments:

No flow to MMSD, delivery controlled by MMSD

D. Surface Water Management:

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

Basins Nearly dry, Temp Sed Basin
Erosion repairs greening up nicely

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 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 minimal due to wind direction

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 (town). Site 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"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:						5/23/16
Tonnage:	1,800 TPD					

Comments:

MSW, Special Waste, and CFD

J. Rejected Loads:

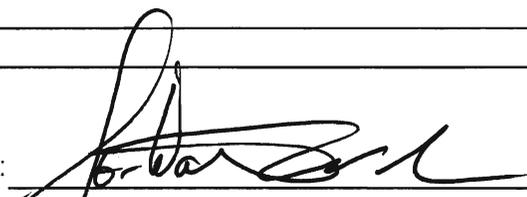
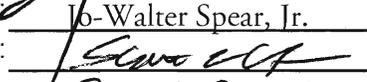
	Date/Time	Reason for Rejection
1.		None
2.		

Residential Drop Off:	Open During Audit	<input type="checkbox"/>	E-Waste Container Present	<input checked="" type="checkbox"/>
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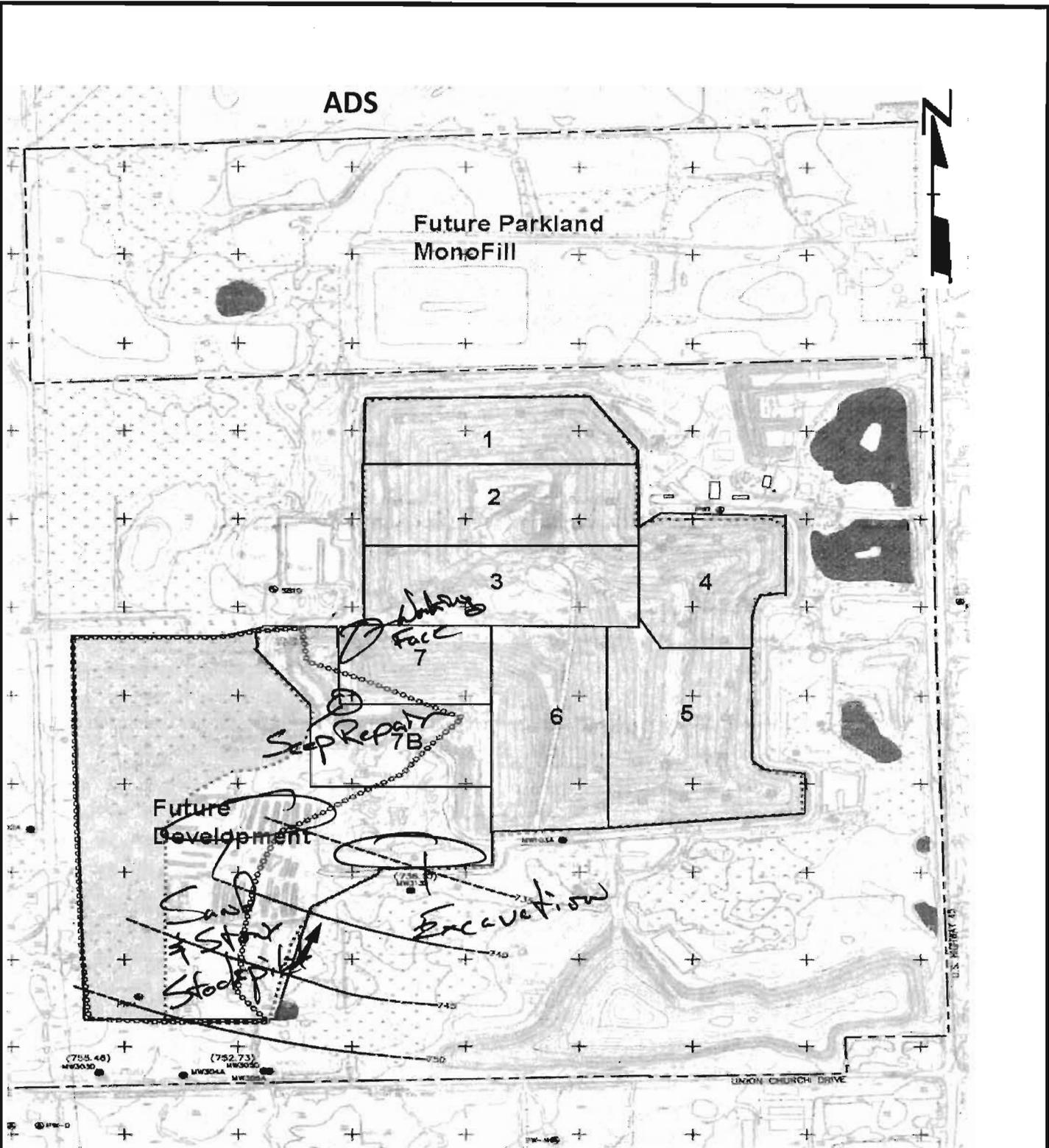
E-Waste container overflowing, Site Clean

M. Other Comments:

- * Backhaul of Clay to Malard Ridge ongoing and receipt of stone & Sand from same
- * Leachate Seep in West slope of Phase 7 fully repaired
- * New outbound scale installation complete
- * Gas well extensions expected before end of month

Auditor's Signature: 
Auditor's Printed Name: Walter Spear, Jr.
Management Signature: 
Management Printed Name: SCOTT CROFT
Management Title: Landfill Gas Technician
JSA Principal Signature: _____

Date: 6/9/16
Date: 6/9/16
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



Panorama of Phase 7 viewed from the North





Working face viewed from North



Working face viewed from North



Active area viewed from the North



Active area viewed from the North



Excavation of remainder of Phase 7



Contractor and site operator excavating for cover and back haul



Working face at Phase 3/7 West most edge



West slope of Phase 7



Temp sed basin at low levels



Working bringing Phase 3/7 junction up to grade