



Memorandum

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 01/29/16
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of January 11, 2016. The audit was performed at 10:41 AM on **January 14, 2016** by Jo Spear, Jr. in the presence of Michael Hackney, General Manager.

Landfill Operations Audit:

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

- Working face at the Western edge of Phase 7B
 - Broad active face North to South; shallow East to West
 - Cover materials being salvaged from previous tipping
- One compactor, one dozer and one excavator working on site
- Current cover composed of previously used cover, recovered soils and new sand

- All leachate discharging to MMSD; no recirculation
- Gas flow to MMSD reduced to approximately 800 cfm
 - MMSD only receiving partial volumes
 - One blower and one flare in operation
 - Not able to evaluate vegetation; snow cover

- Two snow events since last audit; about 2"
 - Site snow-covered
 - Site conditions showing some melt
 - Basin still have freeboard
- No odors
- Liquid loads periodic

- Litter on-site; clear or snow-covered off-site
 - On site litter especially heavy on Western slopes of Phase 6
 - One picker working
- US 45 and 8 Mile Road clean; site roads wet and gritty

- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 1,400 TPD;
 - Mostly MSW, special and demolition debris

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Random load inspection 1/7/2016
- No rejected loads

- Residential drop-off site clean
 - E-waste container present
 - Many boxes full due to holiday waste volume

Comments:

- Litter heavy on-site due to wind and cold conditions
 - Pickers have limited access due to snow-cover
 - Extreme cold limits the time that they can work

- Temporary sediment basin volume very low

- Erosion rills visible in snow

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 January 14, 2016
 Auditor on site at: Open Close

TIME 10:41

WEATHER Clear, Sunny

WIND S-15
 N S W

TEMP Maximum 34 °F Minimum 30 °F B.P. 29.71

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face at the western edge of Phase 7B Working face very broad North to South and shallow East to West Cover being recovered from previous tipping



Cover Material:

Recovered soils and previous used covers
New sand

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	# 0				
Shutdowns Since Last Audit:	# NA				
Flow to MMSD:	# 300 cfm				
Vegetation Condition:	Good <input checked="" type="checkbox"/>	NA <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

MMSD only receiving partial volumes

D. Surface Water Management:

Storm Events Since Last	# 2	Est. Volume	~ 24
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Snow events since last audit. Site conditions have some melt Basins have freeboard. Site snow covered

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 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:

On site litter heavy on West slopes of Phase 6.

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 site roads, wet and gritty

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:	1/7/16			
Tonnage:	1,400 TPD			

Comments:

MSW, Special, & Demolition.

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

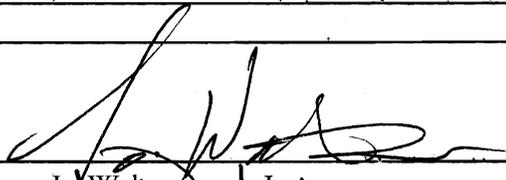
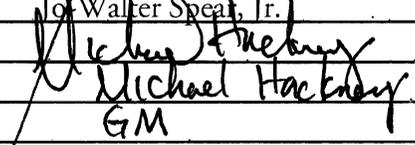
L. Residential Drop Off: Open During Audit E-Waste Container Present

Many boxes full due to holiday waste volumes

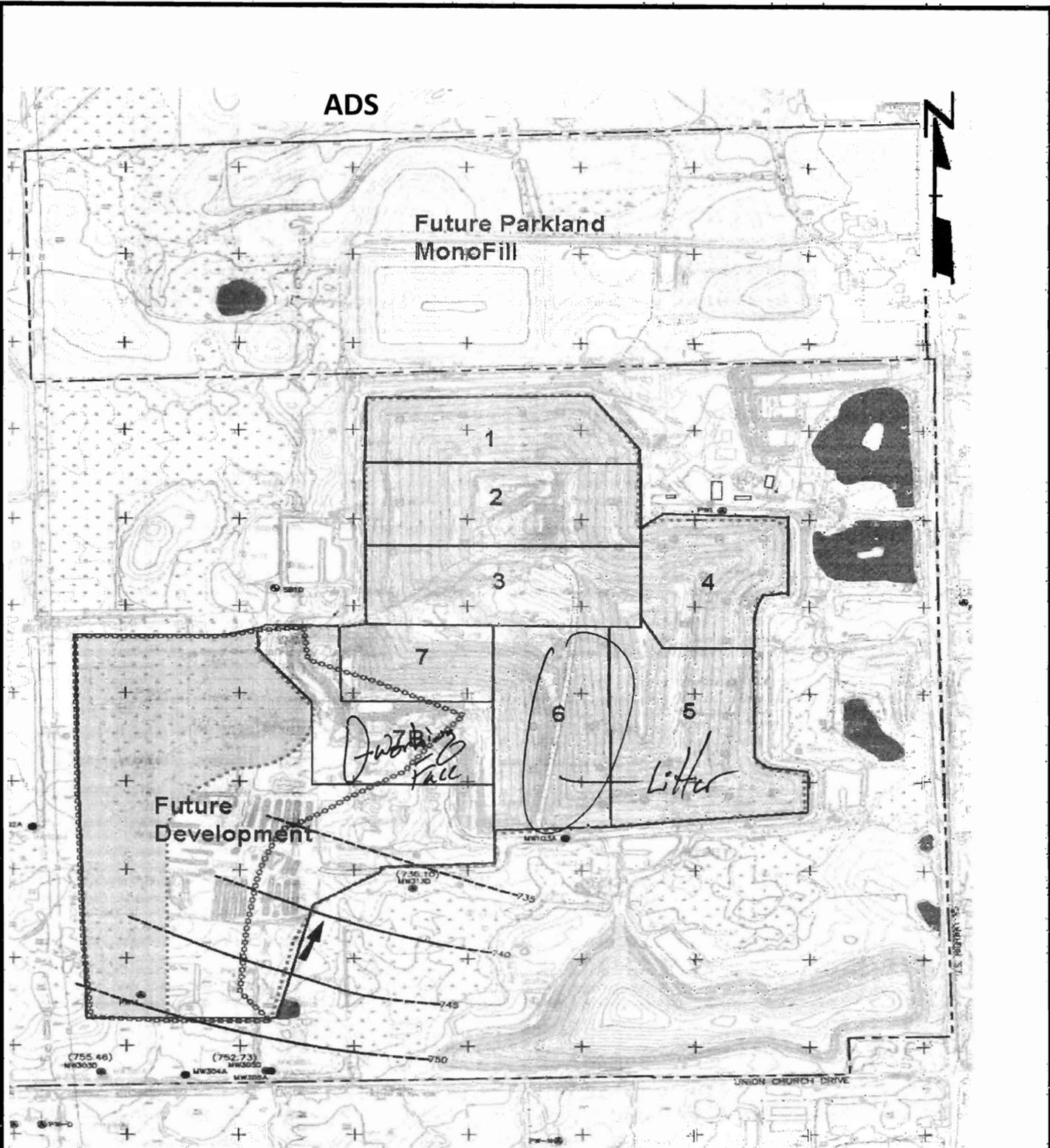
M. Other Comments:

* Litter heavy on site due to winds
and cold conditions. Pickups have limited
time and access in cold weather

* Temp soil basins volume very low
erosion rills visible in snow

Auditor's Signature: 
Auditor's Printed Name: Joe Walter Speas, Jr.
Management Signature: 
Management Printed Name: Michael Hackney
Management Title: GM
JSA Principal Signature: _____

Date: 1/14/16
Date: 1/14/16
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



Active area and working face



Wide yet shallow working face on Western edge of Phase 7



West slope of Phase 7



Large ril, previously observed and not increasing in size. Ril is on West slope above Temp Sed. Basin