

JS Environmental

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 7/9/18
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of March 25, 2018. The audit was performed at 12:37 PM on **March 27, 2018** 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:

- Overcast with light rain; temperature above freezing 35-52°
- Working face in Phase 7 South; roughly in middle of the phase
 - No other areas receiving waste
- One compactor & two dozer working on site
 - One bull dozer in for repair
- Soils and trap used for daily cover

- All leachate discharging to MMSD; no recirculation
- Gas flow to MMSD consistent at 2,000 cfm
 - Gas plant delivering, no flares in operation during audit
 - One blower in operation
 - One shut down since last audit
 - Shut down due to MMSD over weekend
 - Flare lit during shut down

- One storm event since last audit; less than 1"
 - Rain yesterday and today
 - Basins have freeboard
 - Site fully thawed
- Odors on-site; okay off-site
 - Waste odor downwind of active area
- Liquid loads tipped in Phase 7 South

- Litter present on-site; clear off-site
 - Litter about perimeter road and in some trees along East side of property
- One picker working
- US 45 and 8 Mile Road clean; site roads gritty

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 1,600 TPD
 - MSW and small volumes of others
 - Random load inspection 3/23/28
 - No rejected loads
- Residential drop-off site clean
 - Roughly half of boxes full

Comments:

- Phase 7 North no longer receiving wastes
 - Soon to be have placement of intermediate cover
- Basin #4 more full due to closed control structure
 - Still has adequate freeboard

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 <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 March 27, 2018
 Auditor on site at: Open Close

TIME 12:37

WEATHER Overcast, light rain

WIND S-20
 N S E **W**

TEMP Maximum 52 °F Minimum 34 °F

B.P. 29.91

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	<u>Dozer</u>		<input checked="" type="checkbox"/>				

A. Working Face Size and Location:

Working face is in Phase 7 South, roughly
in the middle of the Phase. No other
areas receiving waste.



Cover Material:

Soil & tarp

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"/>	#	
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	#	1	1	
Shutdowns Since Last Audit:	#	1	1	
Flow to MMSD:	#	2,000	cfm	

Comments:

Shutdown over the weekend due to MMSD

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	< 1"
-------------------------	-----	-------------	------

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

Rain event yesterday and today. Basins low freeboard. Site thawed.

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Waste odor downwind of Active Area

F. Liquid Loads Received:

Tipped in Phase 7 solids

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 about perimeter and in some trees along East side of Property

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
Side roads 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:					3/23/18	Form <input type="checkbox"/>
Tonnage:	1,800 TPD					

Comments:

MSW, small volume of others

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Site clean, boxes half full

M. Other Comments:

* Phase 7 North not receiving wastes expected to be addressed with intermediate cover

* Basin #4 nearly full due to closed control structure, but still has plenty of free board

*

Auditor's Signature: _____

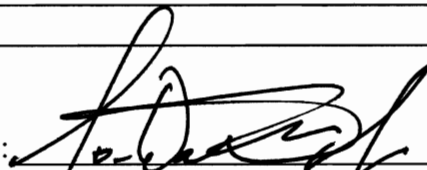
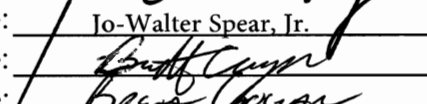
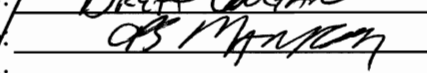
Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____


Jo-Walter Spear, Jr.

Brett Logan


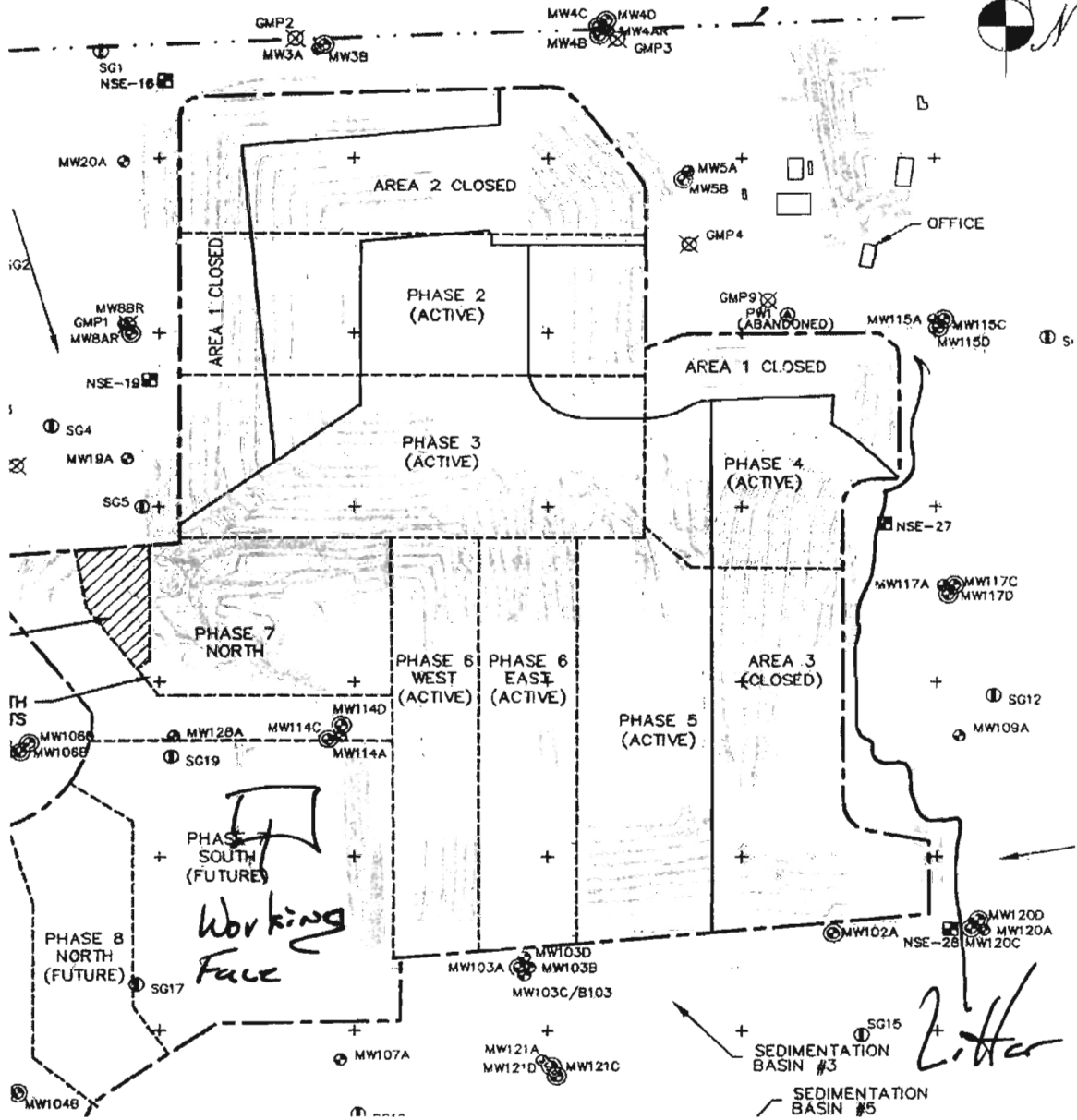
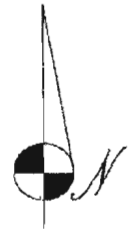
Date: 3/27/2018

Date: 3/27/18

Date: _____

ADSEMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3006
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

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

PROJECT NO. 1012.10030



East edge of Phase 7 South





Phase 7 South, working face in center of Phase



Phase 7 South viewed from the South



Working face in center of Phase 7 South



Working face in Phase 7 South, toe of face