



## Memorandum

### ADS Emerald Park Landfill Audit Summary

**TO:** ADS Emerald Park Landfill Standing Committee, City of Muskego  
**FROM:** Faith Spear.  
**COPIES:** File  
**DATE:** 8/15/16  
**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 June 25, 2016. The audit was performed at 12:12 PM on **July 1, 2016** 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:

- Clear, sunny day with a few high clouds
- Working face in Northwest corner of Phase 7
  - Filling to level; setting up for next lift across Phase 7 and 7B
  - No other working faces in operation
- One compactor, one bulldozer, one excavator and one haul truck in use
  - One D8 bulldozer in for repair
- Site soils from on-going excavations used for daily cover
  
- All leachate discharging to MMSD; no recirculation
- MMSD still limiting delivery of gas
  - One flare and one blower in continuous operation
  - System operating properly
  - Flow to MMSD approximately 800 cfm
  
- One storm event since last audit; about 1"
  - Heavy storm on 6/30
  - Some ponding in waste and wet ditches
  - No other obvious impacts on site
- No off-site odors; on-site odors at working face
- Liquid loads periodic, but volume increasing
  
- Litter present on-site; clear off-site
- Two pickers working
  - One picker manning residential drop-off
- US 45 and 8 Mile Road clean; site roads clean;
  - Roads cleaned by storm

#### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos

- Scale camera in use; 3 equipment operators; no spotter
  - Receiving approximately 1,700 TPD
    - MSW, liquids, special waste and construction debris
  - Random load inspection 6/30/16
  - No rejected loads
- Residential drop-off site open during audit
  - E-waste container present
  - Site very active and clean
  - Police were called on 6/25 to deal with aggressive residential

Comments:

- Seep repair complete in Phase 7
- Compost placement on West slope of Phase 7 underway
  - Seeding to follow when compost is in place
- Clay backhauling project halted until end of July

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 15, 2016  
 Auditor on site at:  Open  Close

TIME 1:56

WEATHER Clear, Sunny, Hi: Clouds

WIND 0-10  
 N  E W

TEMP Maximum 85 °F Minimum 64 °F B.P. 29.76

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	Excavator						
1	Haul Truck						
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on West edge of Parcel  
receiving all waste. All unvegetated  
slopes have been dressed and regraded  
Soil treatment piles reshaped as well



Cover Material:

Site soils excavated from Phase 2

B. Leachate Management:

Discharge to MMSD	<input type="checkbox"/>	Recirculation	<input checked="" 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"/>	#	2		
Flare use since last audit	#	20						
Shutdowns Since Last Audit:	#	—						
Flow to MMSD:	#	200	cfm					
Vegetation Condition:	Good	<input type="checkbox"/>	Fair	<input type="checkbox"/>	Poor	<input type="checkbox"/>	Dead	<input type="checkbox"/>

Comments:

MMSD controlling flow volume

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	4"
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Rain event last night wetted site.  
No new erosion, basins still drying

E. Odor Control:

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

Odor about well being raised

F. Liquid Loads Received:

Periodic

G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

Minimal litter, good conditions

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 clear. 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 type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:				
Tonnage:	1,800 TPD			

Comments:

MSW, Sand, Special, as well as C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

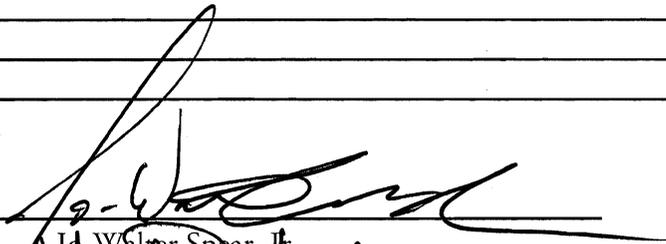
Residential Drop Off:	Open During Audit <input type="checkbox"/>	E-Waste Container Present <input checked="" type="checkbox"/>
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Many people trespassing on landfill attempting to use residential drop off when closed

M. Other Comments:

- \* Contractor raising gas extraction wells in Active area to allow filling around the wells
- \* Scale construction ongoing

Auditor's Signature:

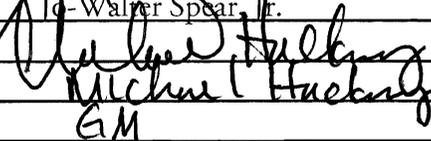


Date: 6/15/16

Auditor's Printed Name:

J. Walter Spear, Jr.

Management Signature:



Date: 6/15/16

Management Printed Name:

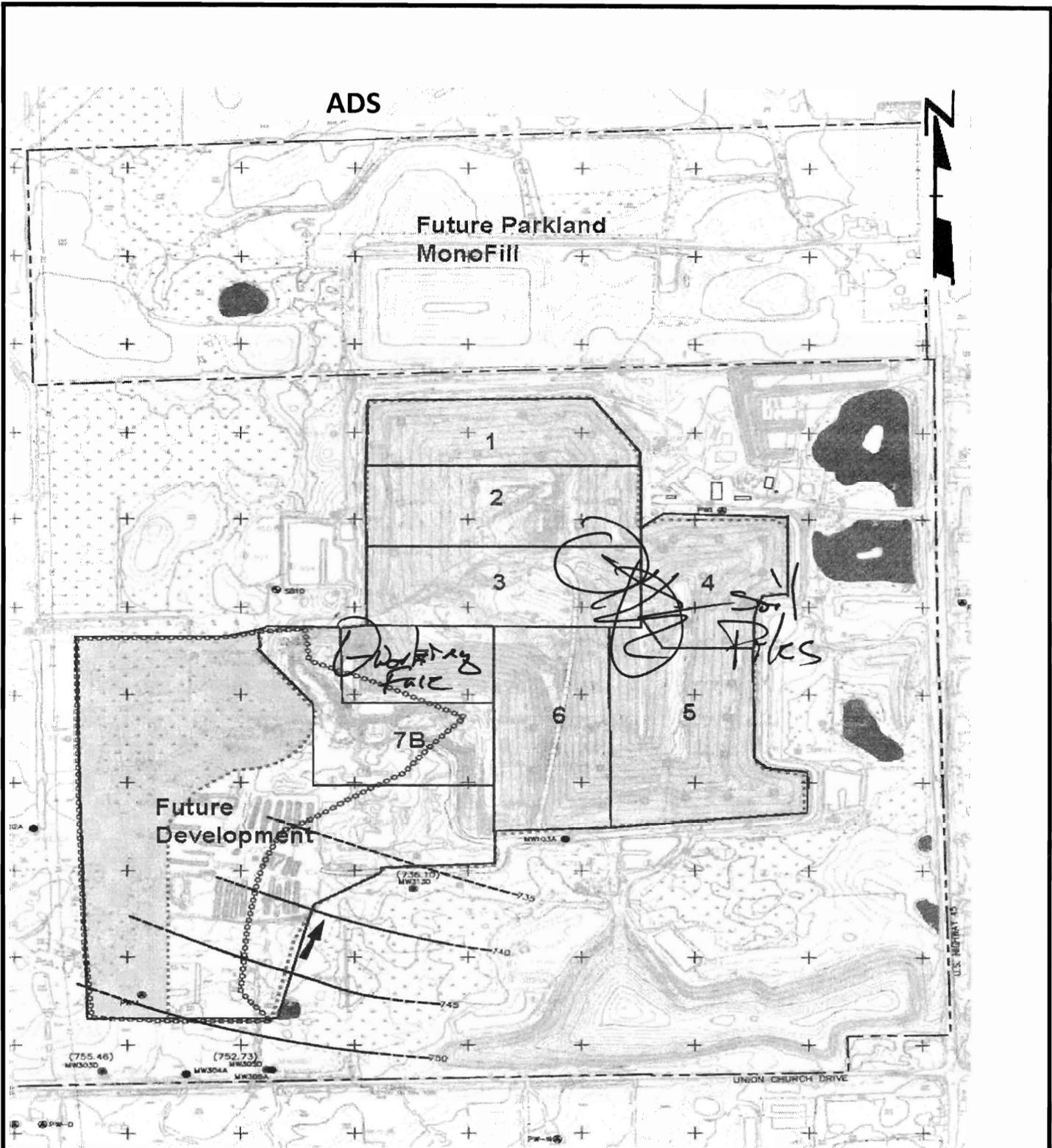
Michael Huebner

Management Title:

GM

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



Phase 3/4/5 viewed from the East, stockpiled bio soils





Phases 1 thru 4 viewed from the East



Working face across active area to West



Trucks tipping in working face



Fluff material for cover



Raised well wrapped in waste, awaiting cover



Raised well wrapped in waste, awaiting cover



Contractor raising cason well



South slope of Phase 7