



## Memorandum

### ADS Emerald Park Landfill Audit Summary

**To:** ADS Emerald Park Landfill Standing Committee, City of Muskego  
**FROM:** Faith Spear.  
**COPIES:** File  
**DATE:** 8/15/2016  
**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 19, 2016. The audit was performed at 10:27 AM on **June 21, 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:

- Bright sunny & clear, very low winds
- Working face in Northwest corner of Phase 7
  - Face currently on outboard slope
  - No other active faces
  - Cover soils in place for intermediate cover
- One compactor, one bull dozer, one excavator and one haul truck employed on site
- Site soils ready for intermediate cover
- Waste soils and other materials for use as alternative daily cover (ADC) in large stockpile
  
- All leachate discharging to MMSD; no recirculation
- MMSD requesting limited gas flow
  - Roughly ½ of the expected volume
  - Approximately 900 cfm
  - One flare & one blower in operation
  
- No precipitation since last audit
  - Site dry, but basins still draining
  - Basin 2 draining especially slowly
- No new erosion
  
- Only odors from gas building
  - Odor is of mercaptan added for gas safety
- Liquid loads periodic
- Minor litter on-site; clear off-site
- One picker working
- US 45 and 8 Mile Road clean; site roads and entrance very dusty

#### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos

- Scale camera in use; equipment operators; no spotter
  - Receiving approximately 1,200 TPD
    - MSW, special waste and C&D
- Load rejected on 6/20/16 – had expired profile
- Residential drop-off site clean
  - E-waste container overflowing
    - Pick-up expected

Comments:

- Site still receiving stone & sand from Mallard Ridge
  - Backhauling continues with removed clay delivery to Mallard Ridge
- Basin #2 should be cleaned to improve discharge rate
  - This basin was only partially cleaned in 2015
- Well extensions completed last week
  - Have been covered by daily cover

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 21, 2016  
 Auditor on site at:  Open  Close

TIME 10:27

WEATHER Very low winds, bright sunny & clear WIND 0-2  
 WIND N S E W

TEMP Maximum 80 °F Minimum 63 °F B.P. 30.01

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 in Northwest corner of  
Phase 7. Face on outboard slope  
with cover soils in place for  
intermediate cover.  
No other working faces.



Cover Material:

Site soils for intermediate cover  
and waste soils & ADC for daily cover  
Large stock pile for ADC

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:	#	900	cfm	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

MMSD only requesting limited flow, roughly  
1/2 of the volume.

D. Surface Water Management:

Storm Events Since Last	#	0	Est. Volume	0
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins draining, basin #2 very slow  
to drain. No new erosion.

E. Odor Control:

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

Only odor from gas building, the mercaptans  
for gas safety

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:

Minor litter on site, nearly no wind

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

4545 & 8 Mile clean, site road and entrance very 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"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Random Load Inspection Dates:				
Tonnage:	1,200 TPD			

Comments:

MSW, Special Waste, and C&D.

J. Rejected Loads:

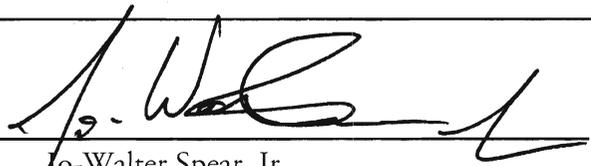
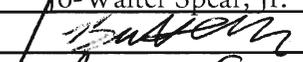
	Date/Time	Reason for Rejection
1.	6/20/16	Expired profile
2.		

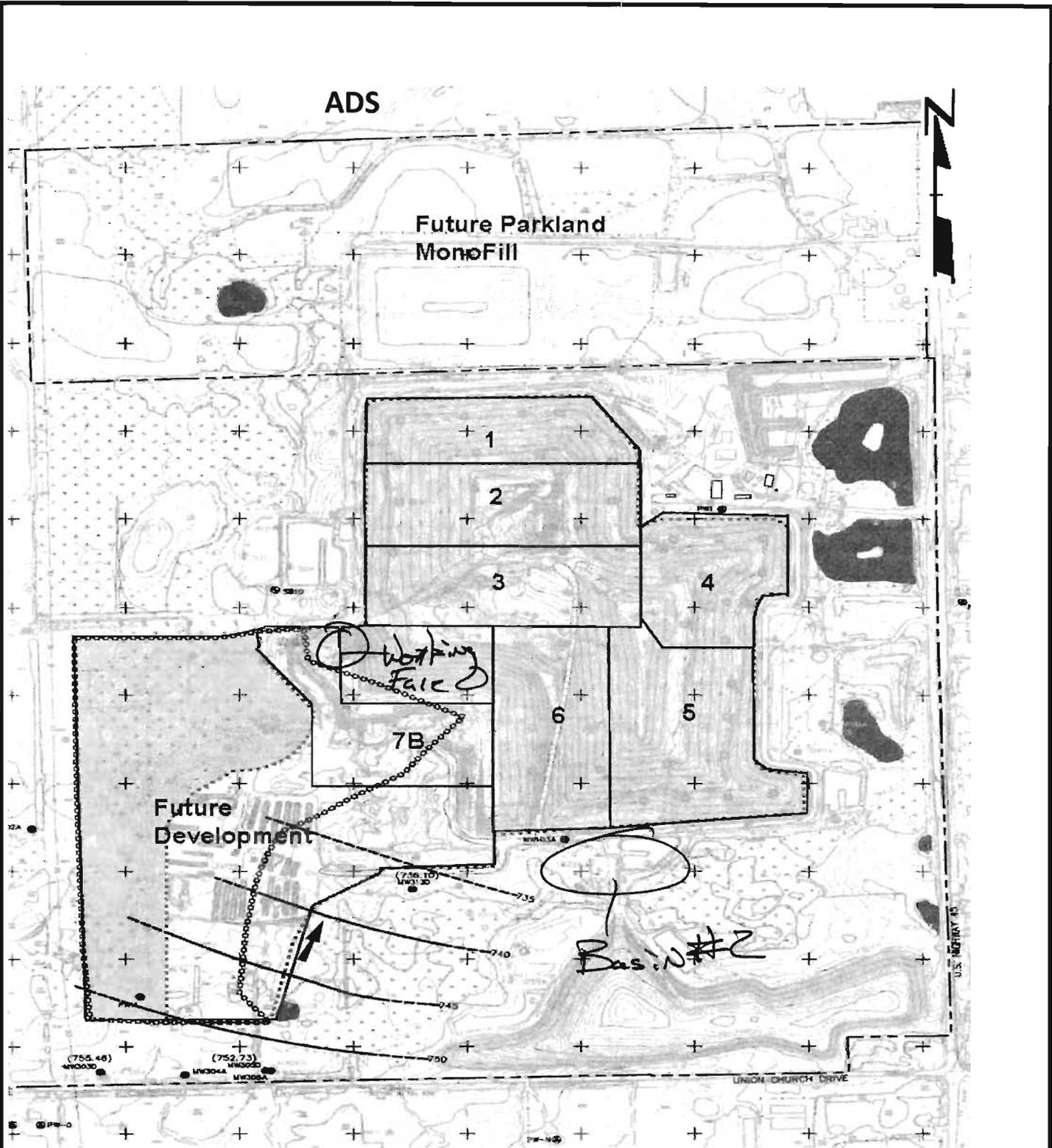
L. Residential Drop Off:  Open During Audit  E-Waste Container Present

E-Waste container overflowing, pickup expected

M. Other Comments:

- \* Site still receiving stone & sand from ~~DeLund~~ Ridge. Malard ridge. Backhaul of clay ongoing as well
- \* Basin # 2 should be cleaned to improve discharge rate. Partially cleaned in 2015
- \* Well extensions completed last week and covered by daily cover.

Auditor's Signature:		Date:	6/21/16
Auditor's Printed Name:	J. Walter Spear, Jr.	Date:	6/21/16
Management Signature:		Date:	6/21/16
Management Printed Name:	Bruce Coleman	Date:	
Management Title:	AS MANAGER	Date:	
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



Working face in Northwestern most corner of Phase 7





Working face viewed from the East



Western section of Active area



Active area viewed from the North



Eastern portion of active area



South slope of Phase 7



West slope of Phase 3 & 7, slope backdragged and regraded intermediate cover



West slope of Phase 7



Working face in Northwest corner of Phase 7, viewed from West