



## Memorandum

### ADS Emerald Park Landfill Audit Summary

**To:** ADS Emerald Park Landfill Standing Committee, City of Muskego  
**FROM:** Faith Spear.  
**COPIES:** File  
**DATE:** 02/29/16  
**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 February 15, 2016. The audit was performed at 3:28 PM on **February 17, 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:

- Day is sunny and clear; site actively melting
- Working face in middle of Phase 7, along North edge
- New access road in use allowing some trucks to tip down from above
  - Others tipping at base of working face
- Bio-soil loads tipping in Phase 3
- One compactor, 2 dozers and one excavator at work on site
  - One scale needs repair; DC6 in for repair
- Recovered bio-soils used for daily cover
  
- All leachate discharging to MMSD; no recirculation
- Gas flow to MMSD consistent at 1,600 cfm
  - Gas plant delivering, no flares in operation during audit
  - One blower in operation
  - No shut downs since last audit
  - Full gas delivery as designed
  
- One small snow event since last audit; less than 1"
  - Some melt occurring today
    - Expecting full melt on Friday
- No odors
- Liquid loads periodic
  
- Minor gas odor on top of Phase 3
- Litter obvious on-site; clear off-site
  - Plan to fully address litter after snow melt
- One picker at work
  - Picker working West slope of Phase 6

#### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos

- US 45 and 8 Mile Road clean; site roads mucky
- One scale camera in use; 3 equipment operators; no spotter
  - Receiving approximately 1,400 TPD
    - MSW, special wastes and C&D; also small volume of bio-soil
  - Random load inspection 2/12/16
  - No rejected loads
- Residential drop-off site clean
  - E-waste container present

Comments:

- Outbound scale non-functional since last week
  - Structural supports have failed
  - Will be replaced
- Temporary basin scheduled for pumping during thaw at end of this week
- Treated bio-soils harvesting providing daily cover continuing

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 February 17, 2016  
 Auditor on site at:  Open  Close

TIME 3:28

WEATHER Sunny, clear, melting

WIND S-20  
 (N) S E W

TEMP Maximum 28 °F Minimum 16 °F B.P. 30.21

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<del>1</del> 1	<del>IDGT</del> Scale	<input checked="" type="checkbox"/>					

A. Working Face Size and Location:

Working face is middle of Phase 7 along North edge of Phase. New access road in use for some loads to tip down remainder of trucks tipping at bottom of face

Working face for bio-soil in Phase 3



Cover Material:

Bo soils required for cover

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	# None			
Shutdowns Since Last Audit:	#			
Flow to MMSD:	# 19600 cfm			
Vegetation Condition:	Good <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/> Dead <input type="checkbox"/>

Comments:

Full gas delivery to MMSD

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	21"
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Small snow event. Some melt, lots of sublimation, expected full melt on ~~Monday~~ Friday

E. Odor Control:

Odors Present: Onsite  Offsite

Comments:

Minor gas odor on top of these 3

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:

Picker active on West slope of Phase 6.  
Litter to be fully addressed after snow melt

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 48 & 8 Mile Clean.  
Site roads mucky

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:	2/12/16			
Tonnage:	1,400 TPD			

Comments:

MSW, Special, and C&D. Small volume of Bio Soil

J. Rejected Loads:

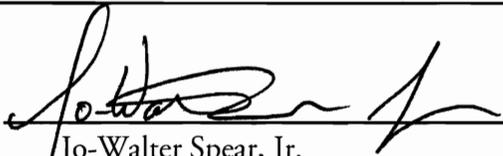
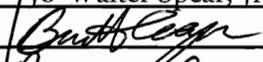
	Date/Time	Reason for Rejection
1.		None
2.		

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

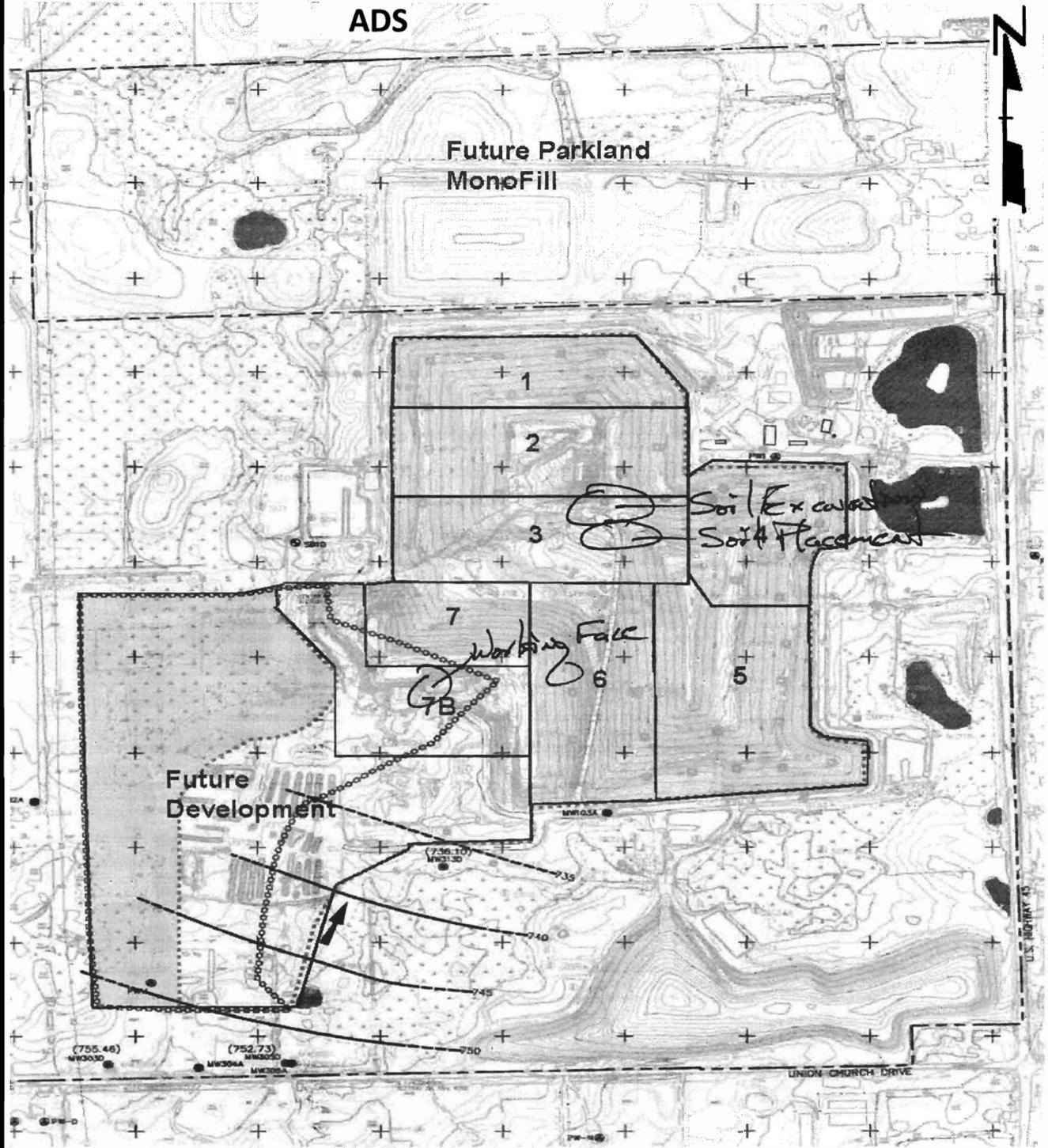
Site clean.

M. Other Comments:

- \* Outbound scale ~~still~~ still stuck last week.  
Scale supports failed will be replacing
- \* Temp basin pumping to occur during melt at end of the week.
- \* Bio soil harvest for cover ongoing

Auditor's Signature:   
Auditor's Printed Name: Jo-Walter Spear, Jr.  
Management Signature:   
Management Printed Name: BRETT CAVAN  
Management Title: AS MANAGER  
JSA Principal Signature: \_\_\_\_\_

Date: 2/17/16  
Date: 2/17/16  
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



Bio piles, treated and new





New biopile (closer) and old treated pile being excavated for use (background)



Working face viewed from North



Active area and access, stockpiled material for cover



Working face in Northwest corner of Phase 7, but not at top of slope



Access into Phase 7, road development ongoing



Active area



West slope of Phase 7



Temp sed basin about Phase 7, on West side, surface frozen