



## Memorandum

### ADS Emerald Park Landfill Audit Summary

**To:** ADS Emerald Park Landfill Standing Committee, City of Muskego  
**FROM:** Faith Spear.  
**COPIES:** File  
**DATE:** 03/23/16  
**PROJECT NUMBER:** 1012.10030

---

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of March 7, 2016. The audit was performed at 11:00 AM on **March 10, 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:

- Overcast day with low cloud cover
- Working face moving along South slope of Phase 3.
  - Soils are being harvested from slope for cover
  - Waste placement bringing slope back to grade
  - Bio-soil loads tipped in Phase 3 earlier in week
- One compactor, one dozer, one excavator and one haul truck in use on site
- Daily cover composed of recovered landfill direct soils
  
- All leachate discharging to MMSD; no recirculation
- Gas flow to MMSD approximately 1,500 cfm
  - Gas plant delivering, no flares in operation during audit
  - One blower in operation
  - Flow meter installed for regeneration system today
    - New meter not expected to impact gas delivery
  
- One rain event since last audit; less than 1"
  - Rain on 3/19/16; minimal rain but extensive melt
- Rills shown in attached photos
- Gas odor on-site at Southwest corner of Phase 7
- Liquid loads periodic
  
- Litter on-site; clear off-site
  - Site litter concentrated in trees and on slopes
- Two pickers working
  - Pickers have been focusing on ditch lines
- US 45 and 8 Mile Road clean; site roads clean

#### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos

- Scale camera in use; 3 equipment operators; no spotter
  - Receiving approximately 1,500 TPD
    - Composed of MSW, special wastes and C&D
    - All suitable C&D materials are placed to make a more stable access to tipping area
  - Random load inspection on 03/04/16
  - No rejected loads
- Residential drop-off site clean
  - E-waste container present
    - Vendor collecting electronics during audit
  - Boxes mostly empty

Comments:

- Future Parkland stockpiles well maintained
  - Some rills and settling, but vegetative cover intact
- Contractor for wood waste on site during audit
  - grinding waste
- Erosion problem areas identified in attached photos
  - 90 day clock for repair started

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 March 10, 2016  
 Auditor on site at:    Open     Close   

TIME 11:00

WEATHER Cloudy, low clouds.

0-10  
 WIND  S  W

TEMP Maximum 51 °F Minimum 31 °F    B.P. 30.10

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 moving along South slope of Phase 3. Waste being placed and soils being harvested from slope for cover. Bio soil was tipped in the Phase 3 earlier in the week.*



Cover Material:

Recovered land fill direct soils

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 type="checkbox"/>	#	
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	# Regen			
Shutdowns Since Last Audit:	# Regen			
Flow to MMSD:	# 1,500		cfm	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flow meter install today for regen system  
will not impact delivery

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 on 3/9. Minimal rain, but  
a great deal of melt. Pits were photographed  
during audit

E. Odor Control:

Odors Present: Onsite  Offsite

Comments:

Gas odor at southeast corner of Phase 7

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"/>	# 2

Comments:

Some litter in site trees and on slopes. Picking has been focused on ditch lines

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 1/2 Mile clear.  
Site roads clear.

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:	3/4/16			
Tonnage:	1,500 TPD			

Comments:

MSW, Special, and C&D. C&D being used to make a stable access

J. Rejected Loads:

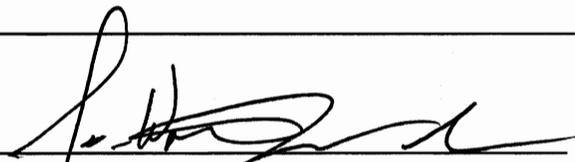
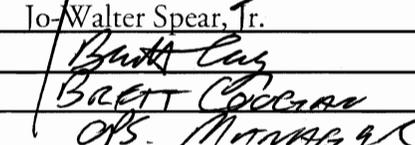
	Date/Time	Reason for Rejection
1.		None
2.		

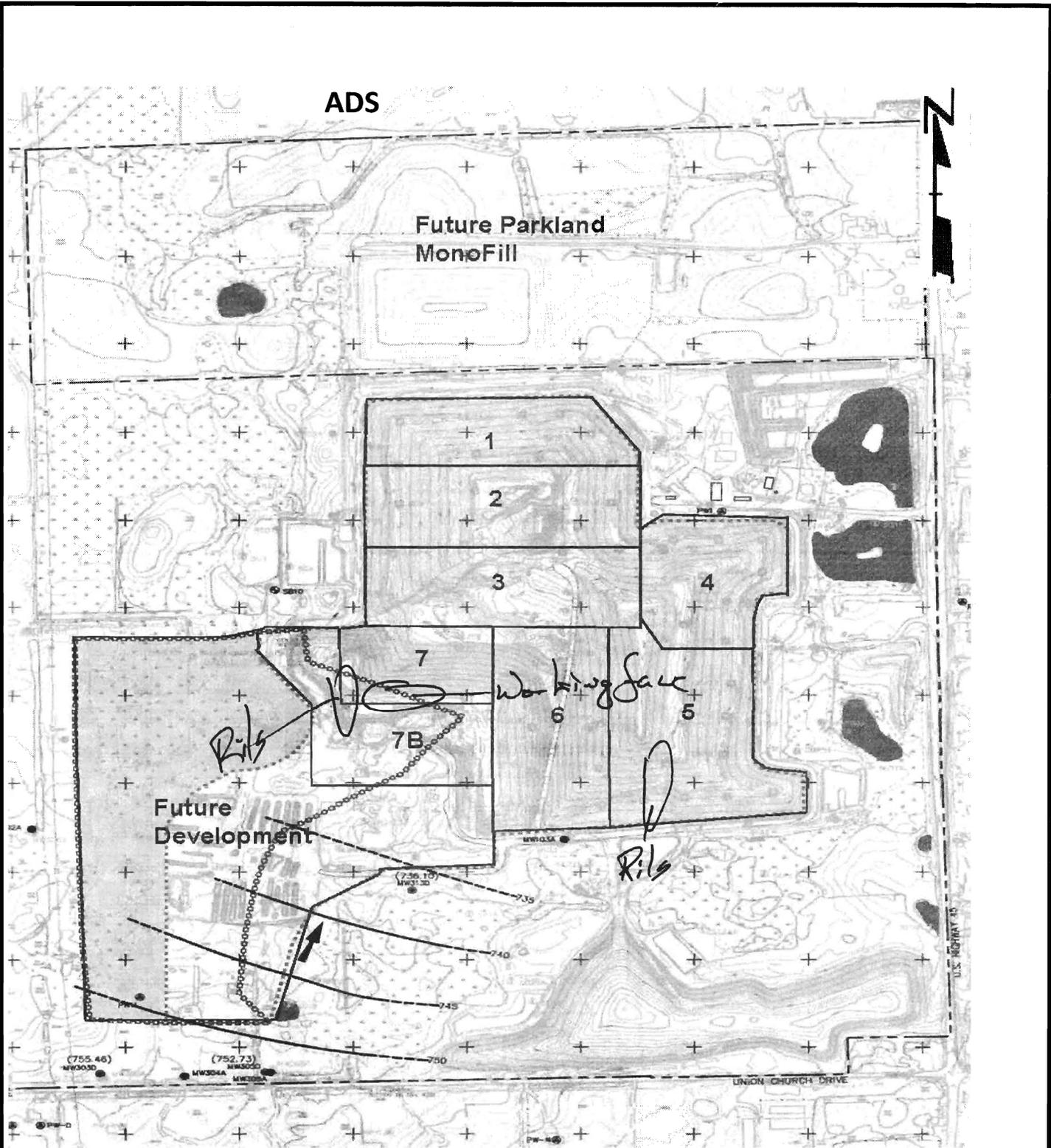
Residential Drop Off:	Open During Audit <input type="checkbox"/>	E-Waste Container Present <input checked="" type="checkbox"/>
-----------------------	--	---

Vendor collecting electronics during audit boxes mostly empty

M. Other Comments:

- \* future Parkland stockpiles in good shape, some site and settings, but still good vegetative cover
- \* Site contractor for wood waste on site and grinding waste.
- \* Erosion areas identified by photos, 90 day clock for repair started.

Auditor's Signature:  Date: 2/10/16  
Auditor's Printed Name: Jo-Walter Spear, Jr.  
Management Signature:  Date: 3/10/16  
Management Printed Name: BRETT COCHRAN  
Management Title: Ops. Manager  
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



Ril at junction between Phase 6 and Closure Area III





Remainder of active area, not in use during audit



Active area viewed from the North



Working face



Compactor operator at lunch, dozer managing new waste



Tipping at working face



Active area viewed from the North



Excavator recovering soils from slope for daily cover.



Working face viewed from the North



Active area and access to working face. Material stockpiled to make travel-ways



Working face viewed from the East



West slope of Phase 7 with new intermediate cover at top of slope



Overview of Landfill footprint viewed from Southwest



Large ril in Phase 7 West slope, trash within is litter not flagging or exposed waste.



West slope of Phase 7, draining into temp sed basin



New intermediate cover at top of slope, Phase 7 West slope