



## Memorandum

### ADS Emerald Park Landfill Audit Summary

**To:** ADS Emerald Park Landfill Standing Committee, City of Muskego  
**FROM:** Faith Spear.  
**COPIES:** File  
**DATE:** 02/16/16  
**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 8, 2016. The audit was performed at 2:35 PM on **February 12, 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 day; some high clouds
- Working face at North edge of Phase 7B along Phase 6 East slope.
  - Establishing new access road
  - No other active working faces
- Soil loads going to Phase 5
- Liquid loads to Phase 6
- One compactor, one dozer and one excavator working on site
  - One D6T out of service; needs repair
- Treated bio-soil harvested from stockpile used for daily cover
  - Frozen solid soils left on stockpile
  
- All leachate discharging to MMSD; no recirculation
- Full volume gas flow to MMSD restored on Monday 2/8/16
  - Gas plant delivering 1,600 cfm
  - No flares in operation during audit
  - One blower in operation
  - Shut downs only for regeneration this week
  
- Minor snow falls during past week; about 1"
  - Site surface water frozen
  - Basins frozen
- Snow cover preventing erosion survey
- Gas odors about working face
- Liquid loads periodic

#### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos

- Litter present on-site; clear off-site
- Two pickers working
  - One operating residential drop-off area
- US 45 and 8 Mile Road clean; some drifting snow
  
- Scale camera in use; 3 equipment operators; no spotter
  - Receiving approximately 1,500 TPD of MSW and C&D
    - Some bio-soils early in the week
  - Random load inspection 2/12/16
  - No rejected loads
  
- Residential drop-off site clean
  - E-waste container present
  - Low volume usage during audit
  - Boxes mostly empty

Comments:

- D6R dozer on loan to site while D6T in for repairs
  - Dozer needed for moving soils and maintaining stockpiles
  
- On site litter heavier than usual due to winds
  - Off-site is not a problem
  - Litter will be addressed next week after mud is frozen
  
- Ground water from Future Parkland is being collected and applied to surface in Phase 7

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 12, 2016  
 Auditor on site at:  Open  Close

TIME 2:35

WEATHER Clear, some clouds

WIND 10-15  
 N  S  E  W

TEMP Maximum 17 °F Minimum -3 °F B.P. 30.14

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	DGT	✓					

A. Working Face Size and Location:

Working face at North edge of Phase 7  
building out new access road. No other  
active working faces.

Bio soil, treated, being harvested for  
cover, frozen soil left on stock pile



Cover Material:

Soils & Sand

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 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	# Regen Only				
Shutdowns Since Last Audit:	# Regen Only				
Flow to MMSD:	# 2000-1000 cfm				
Vegetation Condition:	Good <input checked="" type="checkbox"/>	NA <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

MMSD started taking full volume of gas on Monday 2/8/16

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	2/4
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Minor snow falls during the week. Site surface water frozen and basins frozen as well. Snow cover prevents obs of erosion

E. Odor Control:

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

Gas odor about working face

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:

One picker actively picking litter  
 Second picker running drop off

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 road clean with some drifting snow

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:	1,500 TPD			

Comments:

Mow, C&D, Bio soils early in the week  
 Working Face in Phase 7B

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

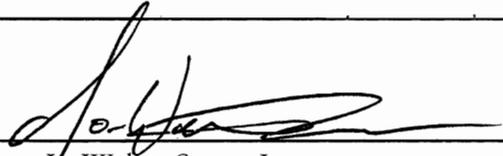
Residential Drop Off:	Open During Audit <input checked="" type="checkbox"/>	E-Waste Container Present <input checked="" type="checkbox"/>
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low volume resident drop off boxes  
 mostly empty

M. Other Comments:

- \* DGT Down for repairs, loaned DGT replacing it for soil work
- \* On site litter heavy due to winds, but not off site. Will be addressed next week due to freezing temps
- \* Ground water from future parkland being surface applied in Phase 7.

Auditor's Signature:

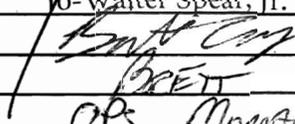


Date: 2/12/16

Auditor's Printed Name:

Walter Spear, Jr.

Management Signature:



Date: 2/12/16

Management Printed Name:

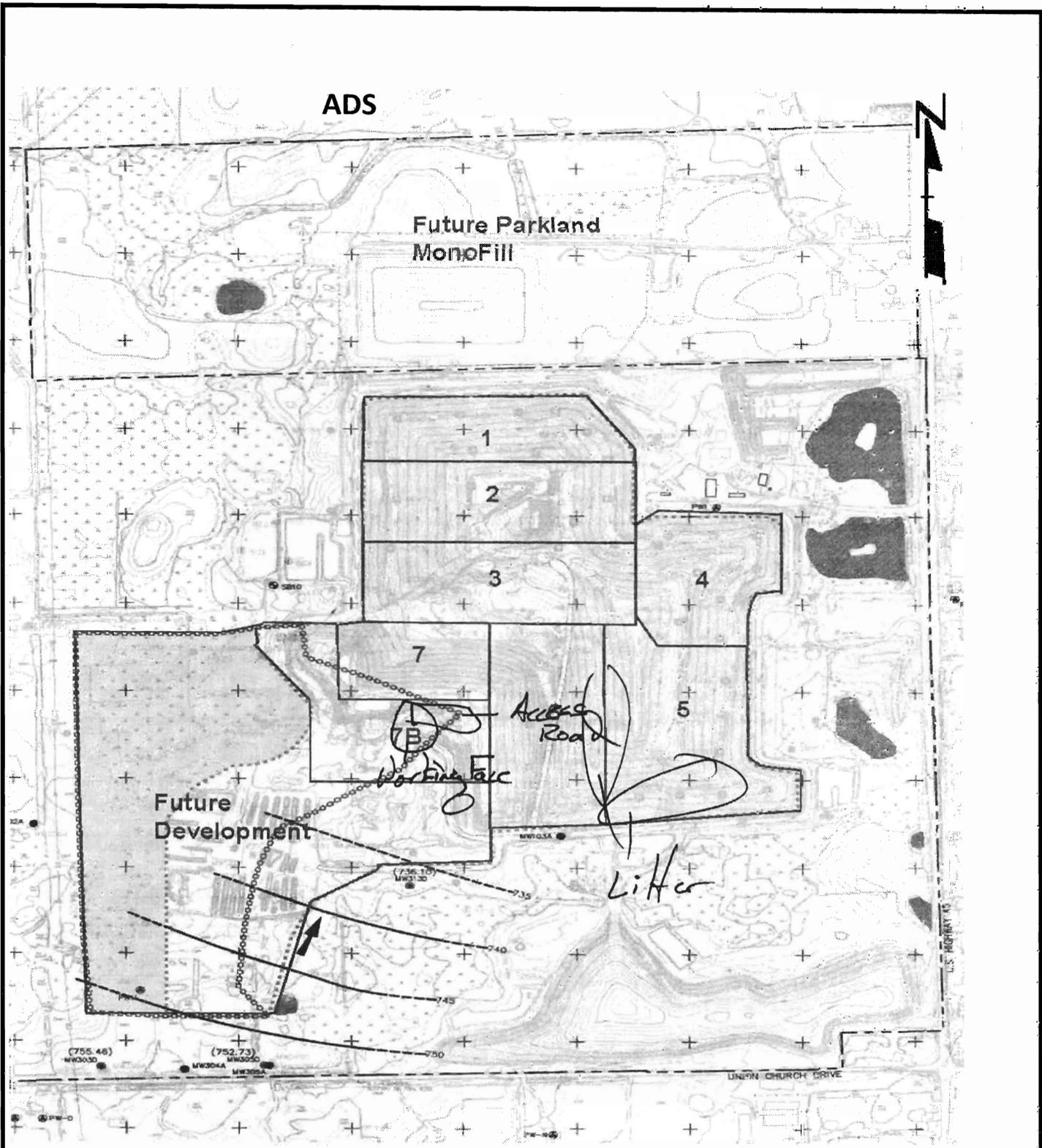
BRETT COGAN

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



Erosion on South slope above ditch line





Access road heading North, splitting Phases 6 & 7



Working face viewed from Northwest



Previous working faces in active area, well covered



Active area, South East corner inactive



Stockpiles of debris for road construction



Working face