



## Memorandum

### ADS Emerald Park Landfill Audit Summary

**To:** ADS Emerald Park Landfill Standing Committee, City of Muskego  
**FROM:** Faith Spear.  
**COPIES:** File  
**DATE:** 03/26/15  
**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 March 16, 2015. The audit was performed at 1:25 PM on **March 20, 2015** by Jo Spear, Jr. in the presence of David Geier, Operations Manager.

#### Landfill Operations Audit:

The following conditions were noted during this Audit of the VEPL Facility:

- Working face now in Phase 6W against toe of slope in Northeast corner of active area
  - No other working faces today
- One compactor, one dozer & one excavator were working on site
  - One D8 dozer in for repair
- Daily cover composed of landfill direct soils, C&D and tarps
  
- All leachate discharging to MMSD; no recirculation
- Moisture content affecting gas delivery
- One flare in operation during audit; no blowers in use
- Flare creating conditions that favor vegetation green-up
  
- No storm events since last audit
  - Basin serving to store melt water
  - Melting and winter erosion damage evident
    - Especially in Closure Area III and South slopes of Phases 5 & 6
  
- Odors on-site
  - Around active area
- Periodic liquid loads tipped at working face
  
- Litter exposed on site as snow cover melts
  - Exacerbated by several days of dry wind
  - One picker active during audit
- US 45 and 8 Mile Road clean; site roads dusty
  
- Scale camera in use; equipment operators; no spotter
  - Receiving approximately 1,400 tpd of MSW, soils and liquids

#### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos

- Random load inspection 3/20/15
- No rejected loads
- Residential drop-off site clean
  - E-waste container present
  - Open and very active today

Comments:

- Basin #1 cleaning is nearly complete
- Ditches at South end of Phase 5 have been cleaned
- Stockpiles in Future parkland showing erosion
- Compost piles have been placed on on West slopes in preparation for spreading and planting

Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos

**VEOLIA 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 20, 2015

TIME 1:25

Auditor on site at: Open  Close

WEATHER Sunny, low hanging clouds

WIND 10-25  
 N  E W

TEMP Maximum 57 °F Minimum 36 °F B.P. 30.08

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	DB Dozer	<input checked="" type="checkbox"/>					

A. Working Face Size and Location:

Working face is Phase 6W against toe of slope in Northeast corner of Active Area. No other working faces today



Cover Material:

Landfill direct soils, CIP, and tarp

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 type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	1		
Flare use since last audit			#	2				
Shutdowns Since Last Audit:			#	2				
Flow to MMSD:			#		cfm			
Vegetation Condition:	Good	<input type="checkbox"/>	Fair	<input type="checkbox"/>	Poor	<input checked="" type="checkbox"/>	Dead	<input type="checkbox"/>

Comments:

Moisture constant affecting gas delivery  
Flare conditions improving vegetation

D. Surface Water Management:

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

Pasins have melt water stored, Melting and winter erosion evident on Closure Area #11 & Phase 5 & 6 South slopes

E. Odor Control:

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

garbage odor about Active Area

F. Liquid Loads Received:

Periodic, received at working face

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:  
 Litter exposed from north and several days of dry 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.

US 415 & 3 Mile road clean. 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:	3/20/15			
Tonnage:	1,400 TPD			

Comments:  
 Landfill direct soils, MSW, and liquids

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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Drop off clean & very active

M. Other Comments:

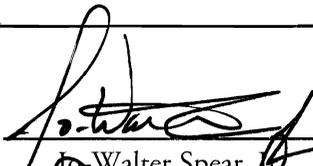
\* Basin #1 cleaning nearly complete

\* Ditches cleaned about south end of Phase 5.

\* Stock piles in future Parkland in good condition some erosion.

\* Compost placed on West slopes for spreading and planting in future

Auditor's Signature:

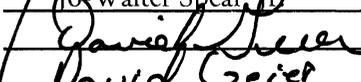


Date: 3/20/15

Auditor's Printed Name:

Walter Spear

Management Signature:



Date: 3-20-15

Management Printed Name:

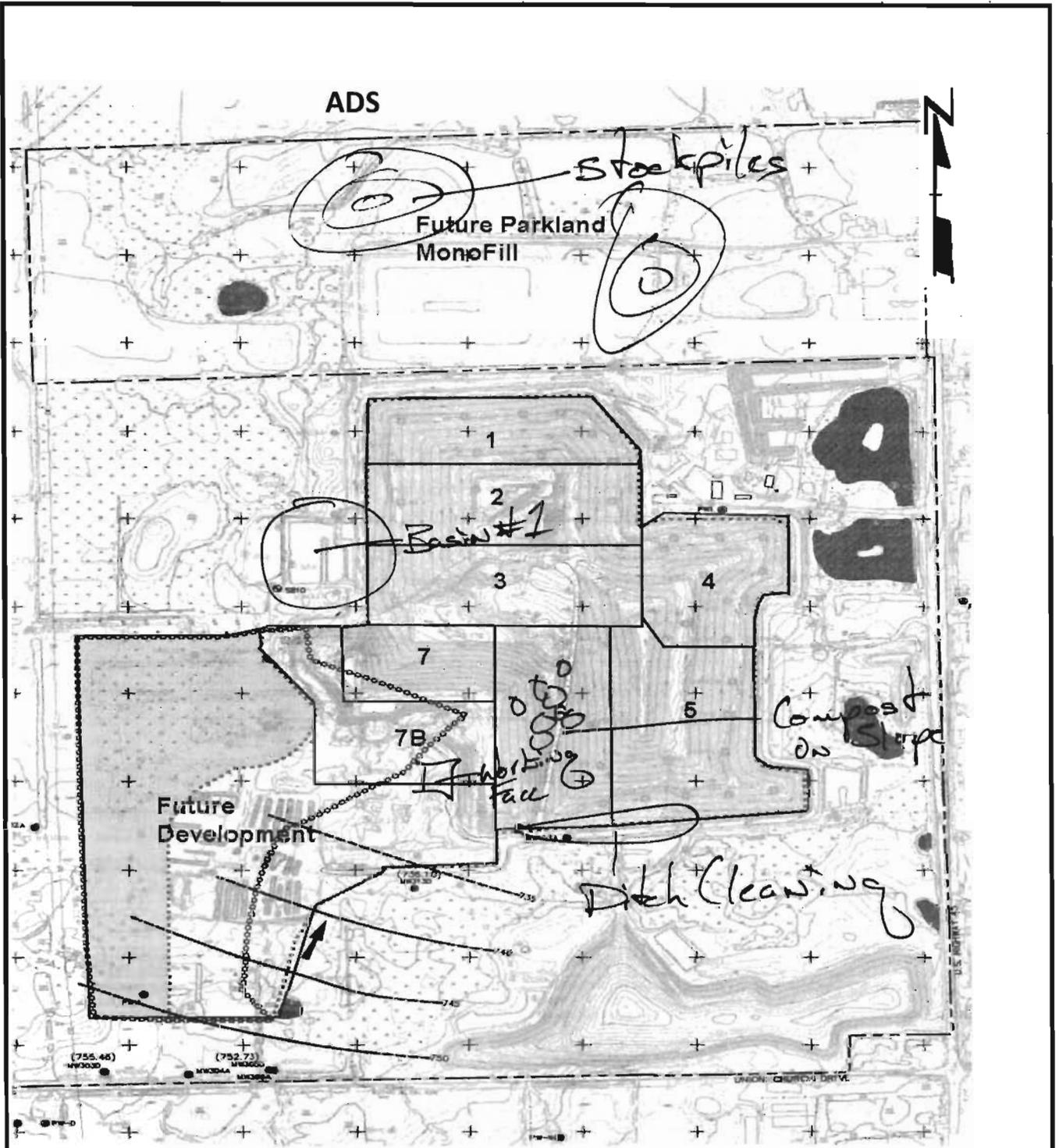
David Geier

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



Basin #1, nearly cleaned of silt. Silt has been placed throughout site to dry and be used to improve intermediate cover



Western portion of footprint and temp sed. basin



Active area and future Phase 8 in the background



C&D materials being tipped above and separate from MSW for cover activities.



Working face



West slopes of site have stockpiled compost for spreading and seeding



Temp basin minimally filled with melt water. No pumping until Basin #1 is cleaned or a rain event occurs.