



Memorandum

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 10/24/16
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of September 4, 2016. The audit was performed at 3:43 PM on **September 8, 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:

- Sunny day with low clouds
- Working face roughly in center of Phase 7
 - Access to working face via new road up from Southeast
 - Trucks tipping from above, down to working face
- Liquid loads tipped directly into waste
- One compactor & two dozer working on site
 - Haul truck in for repair
- Soils and rejected debris from Materials Recovery Facility

- 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
 - Shut down due to storm on 9/7/16
 - Oderant pump repaired; strong scent of oderant from oderant pump

- Heavy storm event on 9/7/16; over 1"
 - Site weathered storm well
 - Basin have plenty of freeboard
- Waste odors at working face and strong odorant smell near office area
- 4 liquid loads received during audit

- Litter on-site; clear off-site
 - Wet conditions help to minimize litter
 - One picker working
 - Litter well-controlled
- US 45 and 8 Mile Road clean; site roads muddy

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 2,000 TPD
 - MSW,. C&D, Liquids and special wastes
 - Random load inspection 9/1/16
 - No rejected loads
- Residential drop-off area clean
 - E-waste container present
 - Boxes mostly empty

Comments:

- Heavy rains have shut down Glacier Ridge (GR)
 - Wastes originally directed to GR diverted to Emerald Park
- Construction begun 9/6/16 on Area IV Closure
- Temporary Sedimentation Basin draining well after rain event
- Odor from compost area at working face
 - This odor is not obvious off-site

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 September 8 2016
 Auditor on site at: Open Close

TIME 2:43

WEATHER Sunny with low clouds

WIND 10-25
 N E

TEMP Maximum 84 °F Minimum 62 °F B.P. 29.8

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	<u>Haul Truck</u>		<input checked="" type="checkbox"/>				

A. Working Face Size and Location:

Working face in rough center of these 7
being accessed by new road up from Southeast
tipping down to working face
liquid loads tipped right ~~along side~~
directly into waste.



Cover Material:

Soils, MRF Solids.

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	#			
Shutdowns Since Last Audit:	# 9/9/16			
Flow to MMSD:	# 1,600 cfm			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Shutdown due to storm on 9/7
Odorant pump repair, odorant odors only

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	~17
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Heavy storm on 9/7, site weathered well
Basins have plenty of freeboard

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Waste odors at working face and
odorant odors at office

F. Liquid Loads Received:

4 loads during audit

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)
 Wet conditions minimize litter
 Litter well controlled

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

Site Road muddy
 Public roads clean

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"/>	#	1
Random Load Inspection Dates:	9/1/16 9/1/16			
Tonnage:	2,000 Tpd for today			

Comments:
 MSW, (SD), liquid loads, and special

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Boxes mostly clean.

M. Other Comments:

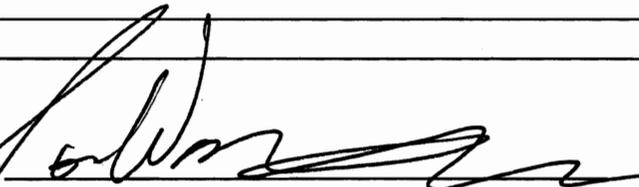
* Heavy rains have shut down Glacier ridge, waste diverted to Emerald Park

* Construction of Area IV Closure begun, 9/6/16

* Temp Basin well drained and draining after rain event

* Odor from Compost Area at Working face, but not encountered off-site

Auditor's Signature:



Date: 9/8/16

Auditor's Printed Name:

Walter Spear, Jr.

Management Signature:



Date: 9/8/16

Management Printed Name:

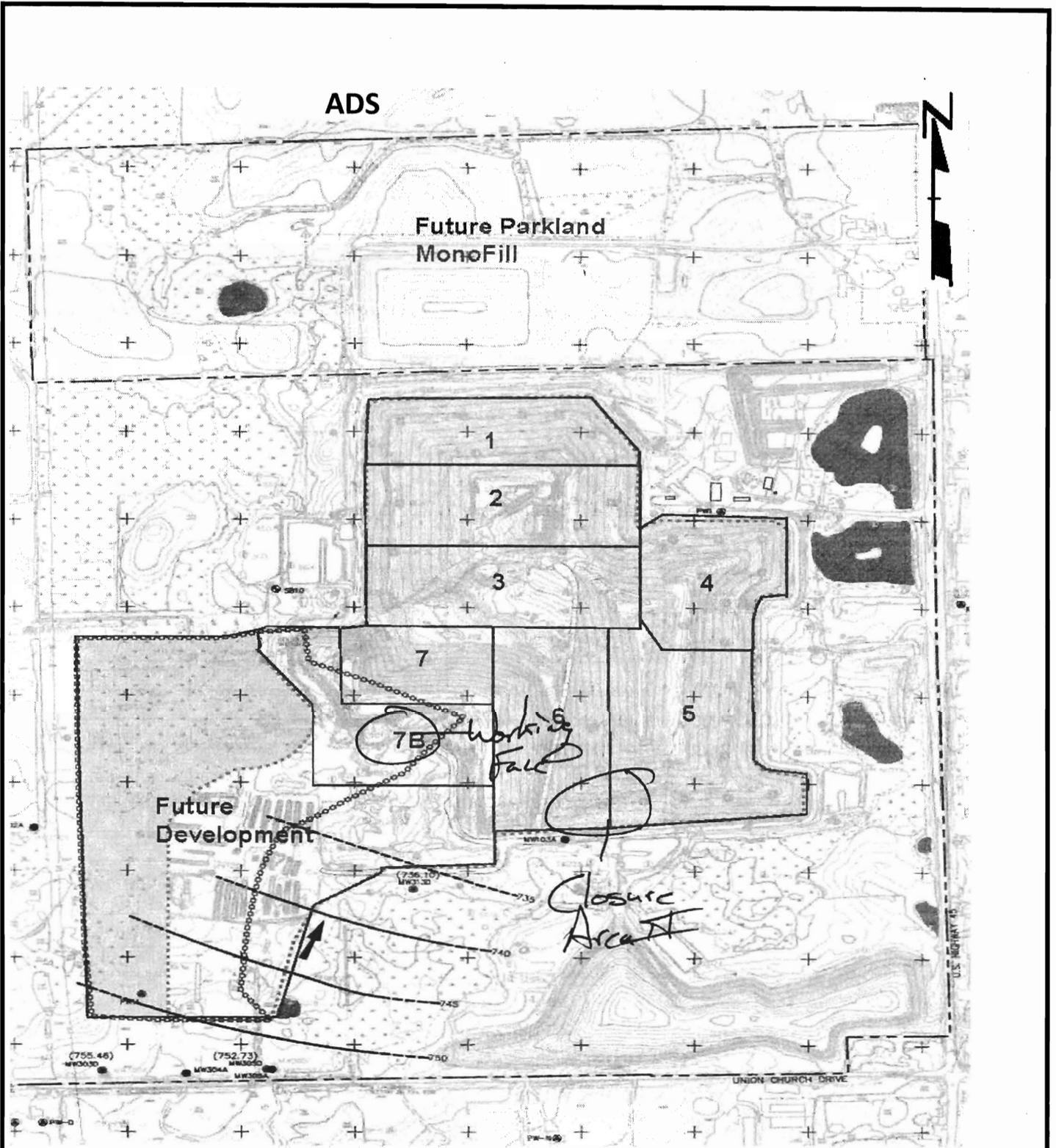
Brent Cochran

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



Current Construction Activities for Closure Area IV





Exposed edge of existing cap material from Closure Area III



Removal of topsoil, vegetation and unconsolidated clay for cap placement



South slope of Phase 5, start of Closure Area IV project



Active area, "floor" surface



Tipping face in middle of Phase 7, viewed from the West



North edge of Phase 7



Liquid loads awaiting space to tip



Compost area, with stone and sand stockpiled



Southwest of Landfill footprint



Southern half of Landfill footprint



West slope of Phase 6, below grade and South of Phase 7



West slope of Phase 7



West slope of Phase 7



Temp Sed Pond, well drained