



Memorandum

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 11/14/16
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of September 11, 2016. The audit was performed at 3:30 PM on **September 15, 2016** by Jo Spear, Jr. in the presence of Scott Croft, Landfill Technician.

Landfill Operations Audit:

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

- Clear sunny day; few clouds
- Working face for MSW in middle of Phase 7 along old access road
 - No other working faces in use
- Previous cover extra thick, but not compacted
- One compactor & two dozer working on site
- Daily cover composed of soils recovered from site

- All leachate discharging to MMSD; no recirculation
- Gas flow to MMSD consistent at 1,300 cfm
 - Gas plant delivering, no flares in operation during audit
 - One blower in operation
 - Shut downs and flare usage have been for regeneration only

- Three storm events since last audit; over 1" accumulation
 - Basin empty; good drainage
 - Site erosion minimal
- Odors of gas and garbage noticeable on-site around working face
- Liquid loads tipped in working face this week

- Litter on-site; clear off-site
- One picker working on West slope of Phase 7
- US 45 and 8 Mile Road clean; site roads dusty
 - Site roads very dusty in construction area

- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 1,600 TPD
 - MSW C&D and special waste

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Random load inspection 9/9/16
- No rejected loads
- Residential drop-off site clean
 - E-waste container present
 - Metals box full; others fine

Comments:

- Basin # 2 cleaning nearly complete
 - Has been drained
 - Outfall still to be cleaned
- Removing old access road to top of Phase 3
 - Creating more room for fill
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- Back-haul and exchange of sand and stone from Mallard Lake to resume next week

Construction Audit:

- Contractor working on soil placement for cap in Closure Area IV
- One compactor, 2 dozers, one excavator and two haul trucks in use
- Soils reserved for use on 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 15, 2016
 Auditor on site at: Open Close

TIME 3:30

WEATHER (Clear, Some Clouds, Sunny)

10-25
 WIND N ⊙ ⊙ W

TEMP Maximum 73 °F Minimum 62 °F

B.P. 30.26

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

A. Working Face Size and Location:

Working face in middle of Phase 7 along old access road. No other working faces in use. Previous cover very thick, but not compacted



Cover Material:

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 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:	#		1,500	cfm
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Supply consistent to MMSD this week

D. Surface Water Management:

Storm Events Since Last # 3 Est. Volume 121"

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins empty, site erosion minimal

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Odor about working face, both gas & garbage

F. Liquid Loads Received:

Spilled in working face

G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
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 edge of Phase 7

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 Clean.
Site roads dusty, especially about construction

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:	2/9/16			
Tonnage:	1,600 TPD			

Comments:

MOW, STD, and special wastes

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		

Residential Drop Off:	Open During Audit <input type="checkbox"/>	E-Waste Container Present <input checked="" type="checkbox"/>
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Area clean, only metal box full

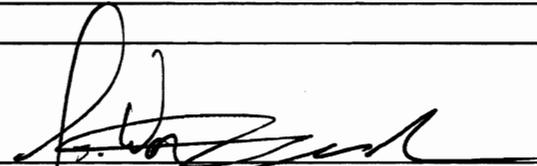
M. Other Comments:

* Basin #2 nearly clean and will detail
outfall to be cleaned

* Old access road to top of Phase 3 being
removed for waste placement

* Backhaul and receipt of sand and
stone to start again next week

Auditor's Signature:



Date: 9/15/16

Auditor's Printed Name:

Jo-Walter Spear, Jr.

Management Signature:



Date: 9/15/16

Management Printed Name:

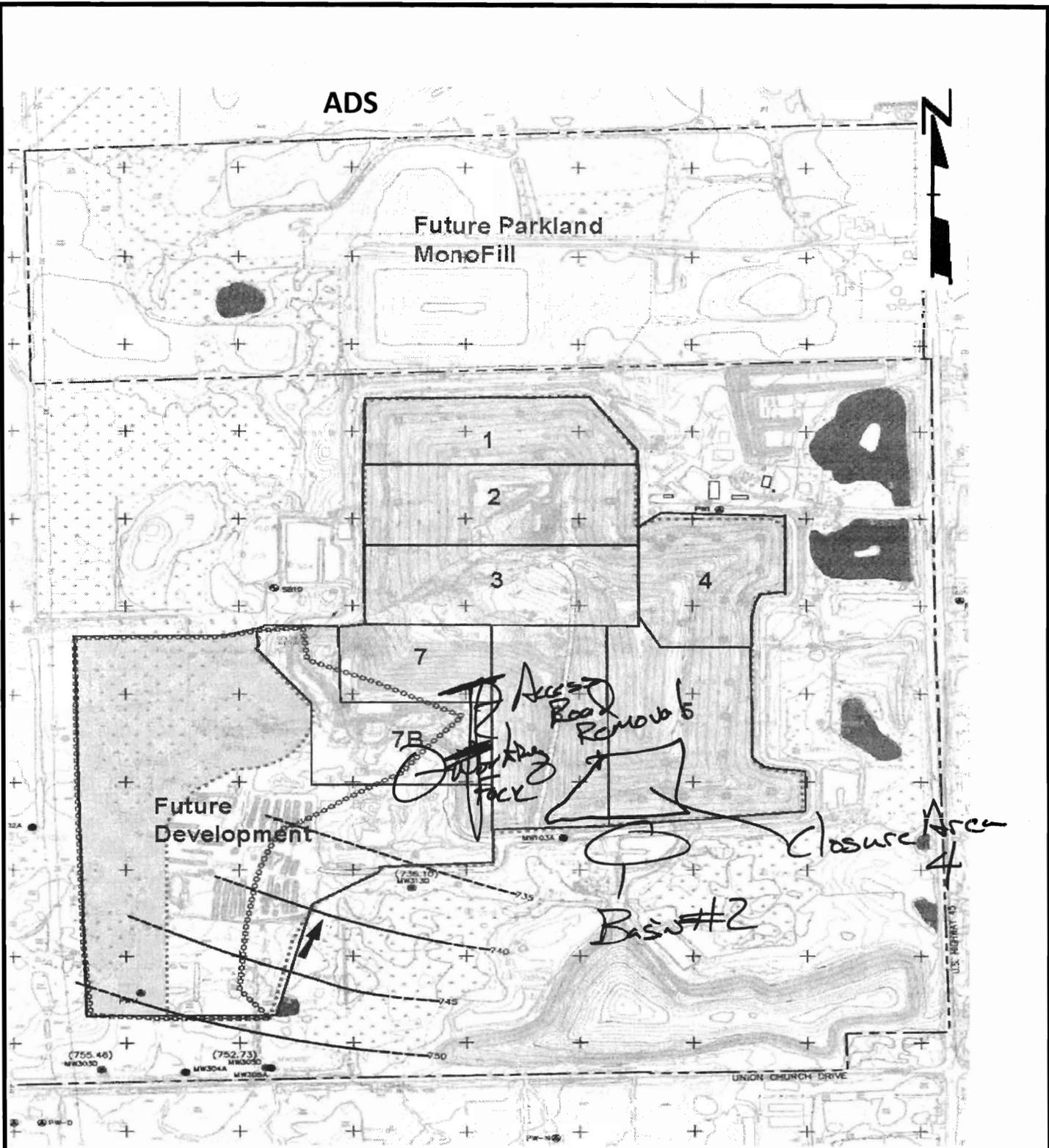
Scott Craft

Management Title:

Landfill Technician

JSA Principal Signature:

Date: _____



Advanced Disposal Services Emerald Park Landfill
 Landfill Audit Map
 City of Muskego
 Project No. 1020.10030

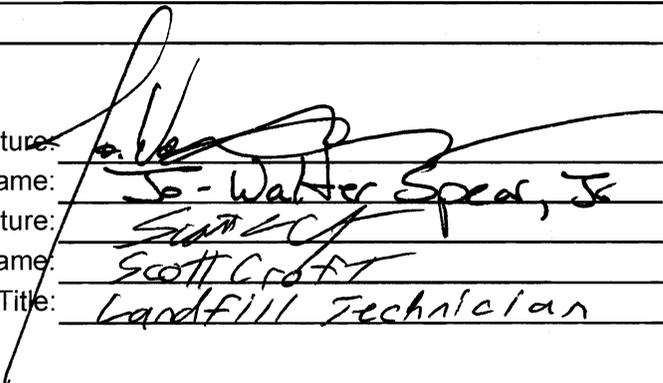
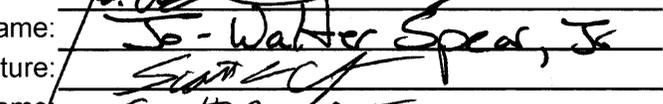


B. Excavations / Soil Management:

Site Soils excavated in Phases 8
for use in Closure Area IV

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3	N/A	
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: 
Auditor's Printed Name: Joe-Walter Spear, Jr.
Management Signature: 
Management Printed Name: Scott Croft
Management Title: Landfill Technician

Date: 9/15/16
Date: 9/15/16

**ADVANCED DISPOSAL SERVICES
EMERALD PARK LANDFILL / CITY OF MUSKEGO
AUDIT PHOTOS**

PROJECT NO. 1012.10030



Seam/juncture between Closure Area III & IV





Dozers spreading clay lift in Closure Area IV



Junction between stripped elevation and first clay lift in Closure Area IV



Clay lift being added to Closure Area IV



Closure Area IV stripped



Closure Area IV completely stripped and first lift of clay being placed



Western edge of Closure Area IV



Access road to Phases 1 to 3 being removed for waste placement



Working face at Eastern edge/middle of Phase 7



Working face in Phase 7



Tipping in middle of Phase 7



Stone base for site staging of equipment



View of excavation from Northeast



View into landfill footprint from South
[



New access to excavation area, South of previous



West slope of Phase 7



Temp Sed Basin, well drained by pumping to basin #1