



Memorandum

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 11/18/15
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of September 21, 2015. The audit was performed at 11:09 AM on **September 21, 2015** 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:

- Working face for MSW in Phase 7 against access road
 - Cover soils incoming loads stockpiled for future use about Phase 7
- Liquid load trench in Phase 7
- One compactor & one dozer working on site
- Using soils from stockpiles in active area for daily cover

- All leachate discharging to MMSD; no recirculation
 - Minor surface application from Future Parkland and storage tank
- Gas plant operation steady; gas flow to MMSD at 1,500 cfm
 - No flares in operation during audit
 - Used only during shut downs for regeneration
 - One blower in operation
 - Regeneration frequency decreasing with seasonal lower temperatures
 - Vegetation in fair condition

- Two storm events since last audit; nearly 4"
 - Some additional erosion especially in active area
 - Basins have adequate freeboard
 - Active pumping of temporary sediment basin during audit
- Waste odors at working face
- Liquid loads periodic

- Litter on-site; clear off-site
- New fence at foot of Phase 6 West Slope placed to catch litter
- Two pickers working
- US 45 and 8 Mile Road clean; site roads dusty

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Average incoming is 1,600 TPD
 - MSW, special wastes and cover soils
 - Random load inspection 9/18/15
 - No rejected loads
- Scale camera operator, 2 equipment operators and no spotters at work

- Residential drop-off site clean
 - E-waste container present, but over filled
 - Boxes mostly full
- Two reported incidents of poor treatment from Muskego residents
 - Demanding services outside of published active hours and additional loads

Comments:

- Well field undergoing some tweaking during audit
 - Well extension in active area completed

- Drop off area boxes over filled
 - E-waste box needs to be emptied

- Erosion noticeable on West slope of Phase 7
 - Not significant enough yet to impact cover conditions

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 September 21, 2015

TIME 11:09

Auditor on site at: Open Close

WEATHER Clear Sunny, fall weather WIND 0-10
 N E

TEMP Maximum 69 °F Minimum 53 °F B.P. 30.18

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Mow being tipped in phase 7 against
access road.
Cover soils stockpiled for future use
about phase 7. liquid load trench
in phase 7.



Cover Material:

Cover Soils ~~was~~ being tipped
in active area.

B. Leachate Management:

Discharge to MMSD Recirculation

Phases: ~~alter surface application from future~~
~~parkland and storage tanks.~~

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 Daily
Shutdowns Since Last Audit:			#	Regen Daily
Flow to MMSD:			#	1,500 cfm
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Gas plant operation steady, regen frequency
decreasing with temps

D. Surface Water Management:

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

Basins have plenty of freeboard, some
additional erosion about active area
Temp sed. basin actively being pumped

E. Odor Control:

Odors Present: Onsite Offsite

Comments: waste odor at 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:

New fence at toe of Phase 6 West slope

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 3/8 Mile 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 checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	2
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	9/18/15			
Tonnage:	1,600 TPD			

Comments:

How, Special, and Cover Soils

J. Rejected Loads:

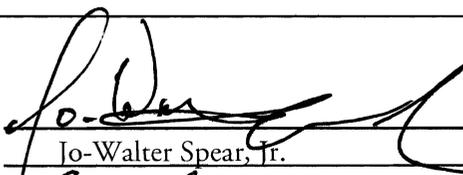
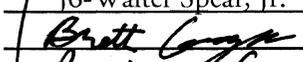
	Date/Time	Reason for Rejection
1.		None
2.		

Residential Drop Off:	Open During Audit <input type="checkbox"/>	E-Waste Container Present <input checked="" type="checkbox"/>
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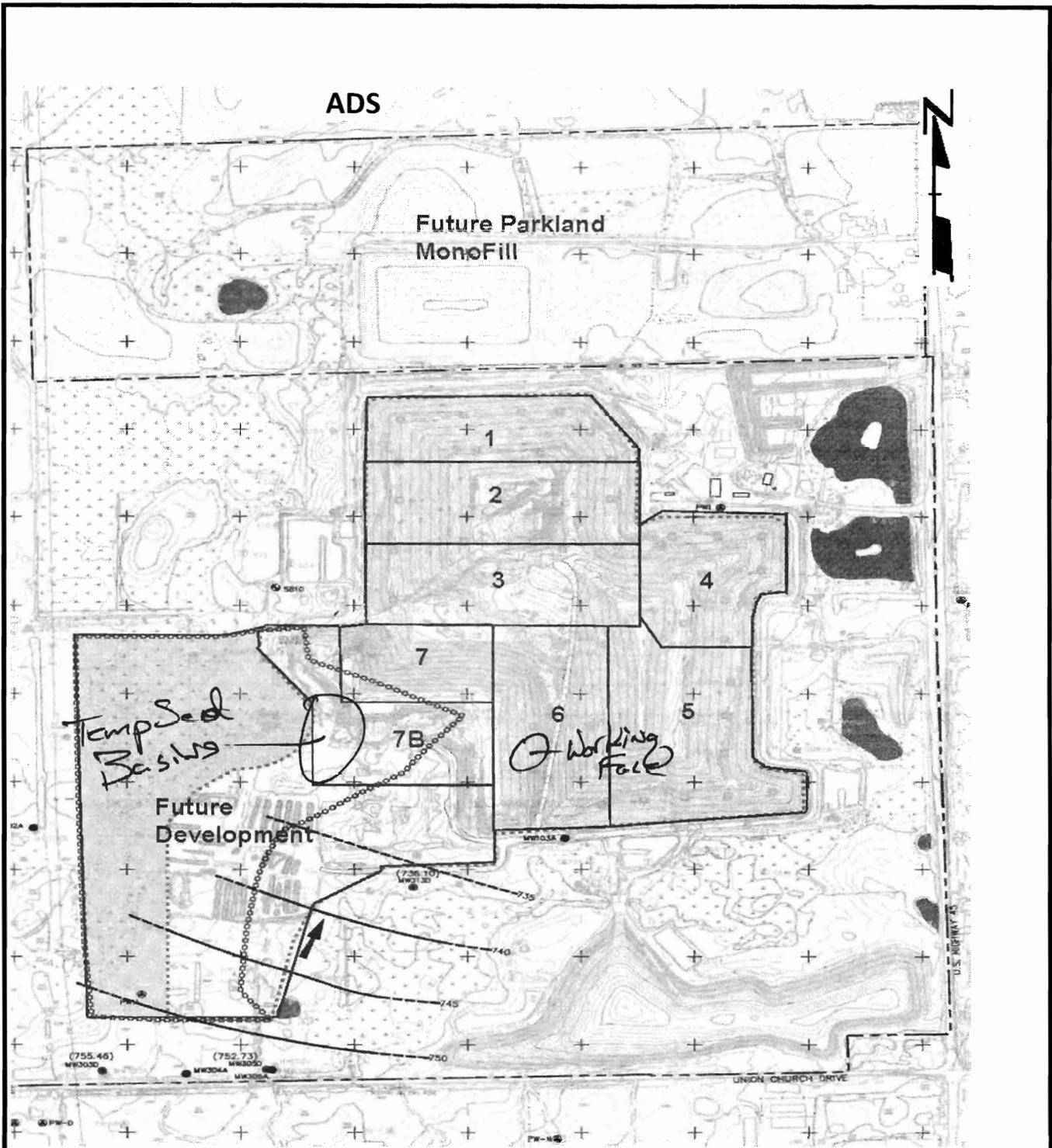
Two incidents of poor treatment from Mustango residents demanding services outside active hours or additional loads

M. Other Comments:

- * Well field tracking during audit.
Well extension in Active Area completed.
- * Drop of lot boxes filled, e-waste box
in need of emptying
- * Erosion on West slope of Phase 7, but
not significant enough to impact
cover conditions.

Auditor's Signature: 
Auditor's Printed Name: Jo-Walter Spear, Jr.
Management Signature: 
Management Printed Name: BRETT COOGAN
Management Title: OPERATIONS MGR
JSA Principal Signature: _____

Date: 9/21/15
Date: 9/21/15
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



Active area viewed from North



High volumes of cover soils being tipped have made for excellent cover conditions throughout active area



Working face viewed from the North



Working face



Soils being stockpiled for future cover use



Working face



West slope of Phase 7B



West slope of landfill footprint above Temp. Sed. Basin