



Memorandum

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 9/22/16
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of August 21, 2016. The audit was performed at 11:15 AM on **August 26, 2016** by Jo Spear, Jr. in the presence of Scott Croft, Gas Technician.

Landfill Operations Audit:

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

- Sunny day with low clouds; possible rain
- Working face is in middle of Phase 7 facing Northeast
 - No other working faces
- Various alternate daily cover materials and cover materials stockpiled around Phase 7
- One compactor & one dozer working on site
- Recovered soils in use for daily cover

- All leachate discharging to MMSD; no recirculation
- Gas delivery halted due to Hydrogen-sulfide (H₂S) concentration
 - Filters should impact volume of H₂S
 - One flare in use since shut-down at 11 AM
 - One blower in operation
 - No gas flow to MMSD

- Two storm event since last audit; about 1"
 - Site conditions dry, except Basin #1
 - Basin #1 is historically slow to drain

- No odors on or off-site
- Liquid loads periodic
- Minimal litter on-site; clear off-site
- Two pickers working
 - One picker manning residential drop-off
- US 45 and 8 Mile Road and site roads dusty and gritty
 - Just dirty, no litter on roads

- Scale camera in use; 3 equipment operators; no spotter

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Receiving approximately 1,500 TPD
 - MSW, special wastes and C&D
- Random load inspection 8/25/16
- No rejected loads

- Residential drop-off site open during audit
 - E-waste container present
 - Incidents of rudeness to staff still increasing, especially on Saturdays
 - Site added additional staff to work residential drop-off on Saturdays

Comments:

- Cleaning of Basin #2 delayed due to slow draining
 - Pump in use to improve drainage

- New access road to working face still under construction

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 August 26, 2016
 Auditor on site at Open Close

TIME 11:15

WEATHER Sunny, Low Clouds, possible rain

WIND Nil
 N S E W

TEMP Maximum 76 °F Minimum 66 °F

B.P. 30.18

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	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
facing Northeast. No other
working faces.
Various ADC & Daily cover stockpiled
about Phase 7



Cover Material:

Recovered soils

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 checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1		
Flare use since last audit		#	11:00 AM					
Shutdowns Since Last Audit:		#	1					
Flow to MMSD:		#	0	cfm				
Vegetation Condition:	Good	<input type="checkbox"/>	Fair	<input type="checkbox"/>	Poor	<input type="checkbox"/>	Dead	<input type="checkbox"/>

Comments:

Delivery halted due to H₂S concentration
filters should impact volume

D. Surface Water Management:

Storm Events Since Last	#	2	Est. Volume	21"
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Two separate storm events during the week. Site conditions dry, except for Basin #2 which is slow draining

E. Odor Control:

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

No odors on or off site

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 operating. Resi Drop Off
Litter conditions minimal

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, and Site roads
dusty & gritty, but litter free

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:	8/15/16			
Tonnage:	1,500 TPD			

Comments:

MSW, C&D, Special Wastes,

J. Rejected Loads:

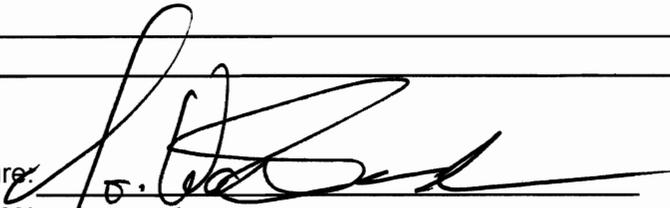
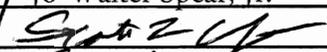
	Date/Time	Reason for Rejection
1.		
2.		

Residential Drop Off:	Open During Audit <input checked="" type="checkbox"/>	E-Waste Container Present <input checked="" type="checkbox"/>
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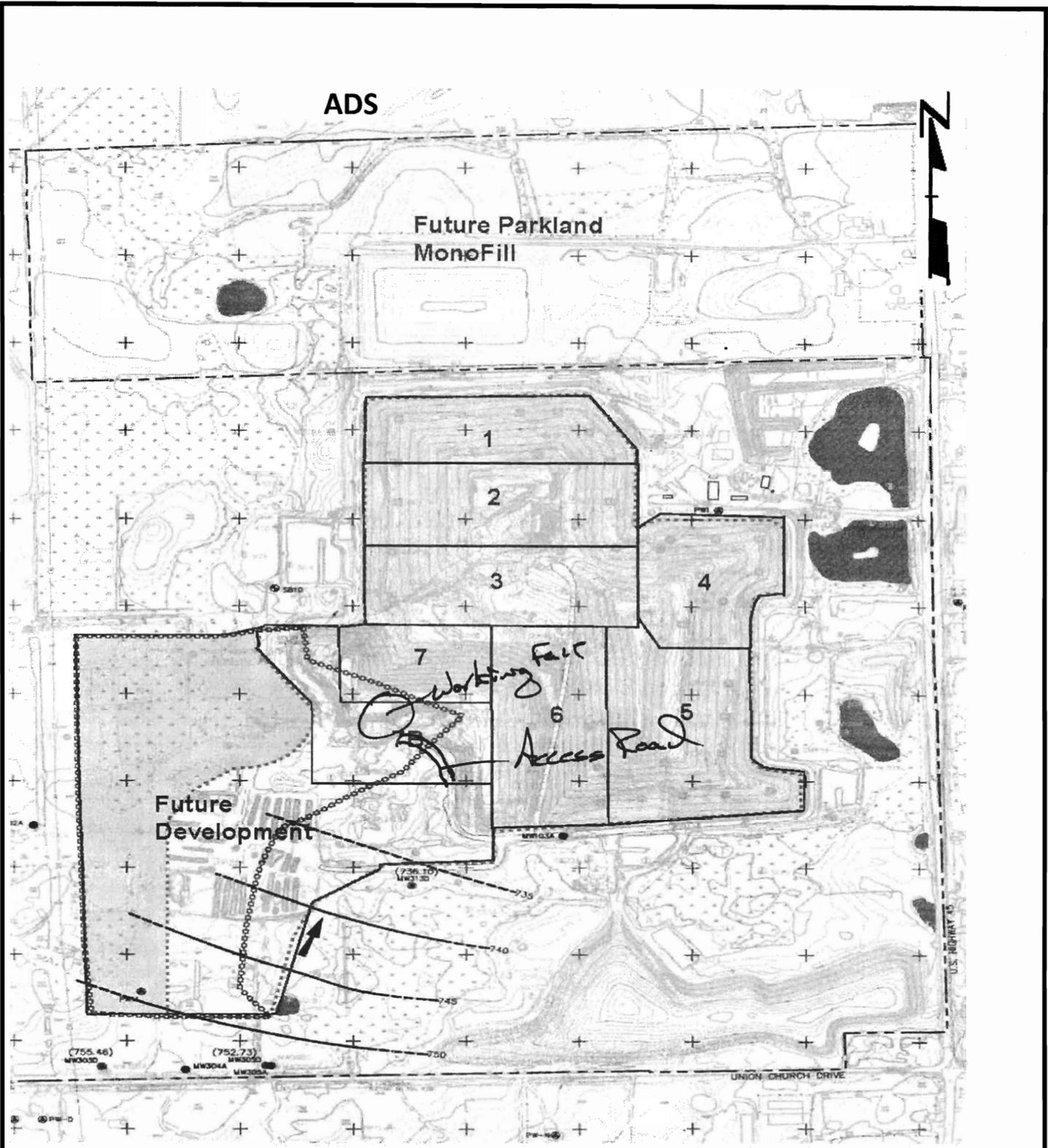
Incidents of rudeness to staff still increasing especially on Saturdays. Site added additional staff just for residrop off on Saturdays

M. Other Comments:

* Cleaning of Basin #2 on hold until basin drains. Pump in use to improve drainage
* New Access road to Working Face still under construction

Auditor's Signature: 
Auditor's Printed Name: Jo-Walter Spear, Jr.
Management Signature: 
Management Printed Name: SCOTT CROFT
Management Title: Landfill Gas Tech
JSA Principal Signature: _____

Date: 8/26/16
Date: 8/26/16
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



Equipment down for lunch breaks





Working face viewed from the West



View from above/West of working face in Phase 7



Working face with soil stockpiled about for cover



Working face in rough middle of Phase 7



Working face



Staging area of Phase 7, excavation area, and stockpile stone and sand for future construction in the background



Excavation area, reaching final depth at Northern end