



Memorandum

ADS Emerald Park Landfill Audit Summary

TO: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 11/28/16
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of October 2, 2016. The audit was performed at 11:15 PM on **October 7, 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:

- Cloudy day, low clouds; threatening rain
- Working face on East edge of Phase 7, above junction with Phase 6
 - No other active working faces
 - Clay removal from access road continues
- No tipping in Phases 1 thru 3
- One compactor, two dozers, one excavator and one haul truck working on site
- Recovered soils used for daily cover

- All leachate discharging to MMSD; no recirculation
- Only partial gas delivery to MMSD
 - MMSD requested reduced gas delivery
 - Delivering 800cfm
- Both flares and blowers in use during audit
 - Due to lower gas destruction by MMSD
 - vegetation in fair condition

- 4 storms since last audit; about 1"
 - Multiple smaller rains and drizzle
- Minor odors about active area
- Liquid loads tipped in working face

- Litter on-site; clear off-site
 - One picker working on West slope of Phase 7
- US 45 and 8 Mile Road clean; site roads tracking due to wet conditions
- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 1,200 TPD
 - MSW, C&D and special wastes

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Random load inspection 10/5/16
- No rejected loads
- Residential drop-off site open and busy during audit
 - E-waste container present
 - Residents dumping outside of area

Comments:

- Old access road removal ongoing
 - Road base clay depths up to 20 feet
- Access to Phases 1 thru 3 to be restored after removal of old access road completed
- Gas line in Phase 6 Closure Area IV under repair during audit. Pipe was damaged by equipment during soil placement. Moisture in soil was making repair difficult.

Construction Audit:

- Work suspended due to wet conditions
- Attempts to speed drying of clay soils caused a break in a gas line this morning
- Repair taking place during audit
- One excavator working in construction area

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 October 7, 2016
 Auditor on site at: Open Close

TIME 11:15

WEATHER Low clouds, possible rain, very overcast

WIND 15-25
 N S E W

TEMP Maximum 65 °F Minimum 42 °F B.P. 29.97

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on East edge of Phase 7
above junction with Phase 6.
No other working faces active
Removal of clay from access road ongoing
No tipping in Phase 1 thru 3



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			#	1				
Shutdowns Since Last Audit:			#	1				
Flow to MMSD:			#	300	cfm			
Vegetation Condition:	Good	<input type="checkbox"/>	Fair	<input type="checkbox"/>	Poor	<input type="checkbox"/>	Dead	<input type="checkbox"/>

Comments:

Partial delivery to MMSD, MMSD's requested

D. Surface Water Management:

Storm Events Since Last	#	4	Est. Volume	71"
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Multiple storms & smaller "spitting" events

E. Odor Control:

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

Minor odor about active area

F. Liquid Loads Received:

In 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:

Picker on west slope of Phase 7 during audit

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 4/5 & 8 Mile road clean.
Trucking on site roads

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:	10/2/16			
Tonnage:	1,200 TPD			

Comments:

MSW, C&D, Special,

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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Site busy, residents tipping outside of area

M. Other Comments:

* Road removal ongoing, clay depths to 20'

* Access to Phase 1 thru 3 to be restored after old access removed.

* Gas line repair in Phase 6 closure Area IV due to soil drying

Auditor's Signature: _____

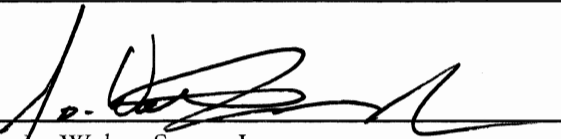
Auditor's Printed Name: _____

Management Signature: _____

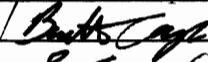
Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____



Walter Spear, Jr.



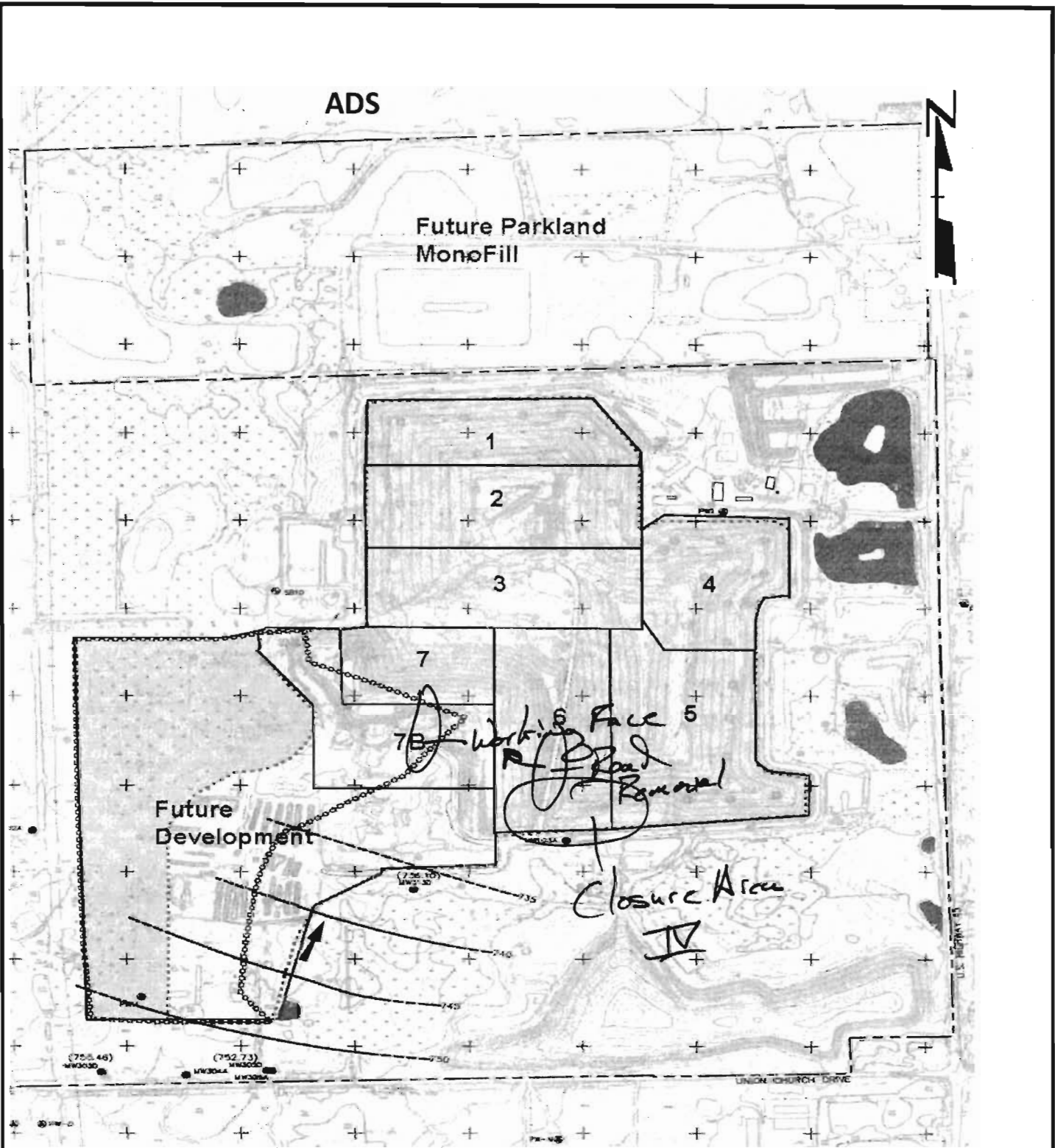
BRETT CASSAN

OPS MANAGER

Date: 10/2/16

Date: 10/2/16

Date: _____



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



ADVANCED DISPOSAL SERVICES EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE October 7, 2016

TIME 11:40

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor						
	Dozer						
1	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

Work suspended due to wet conditions
 drying activities broke a gas line
 this am. Repair ongoing during
 Audit



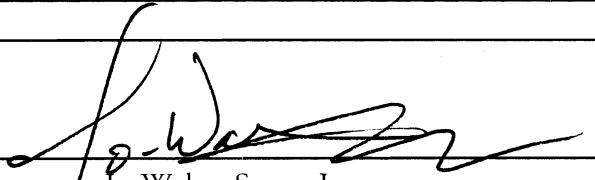
B. Excavations / Soil Management:

None

C. Off Site Hauling

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

Auditor's Signature:

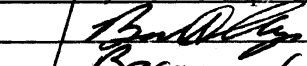


Date: 10/3/16

Auditor's Printed Name:

Walter Spear, Jr.

Management Signature:



Date: 10/7/16

Management Printed Name:

BRETT LOGAN

Management Title:

OS MANAGER

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

PROJECT NO. 1012.10030



Closure Area IV junction with Closure Area III



2410 N. Palmer Street
Milwaukee, WI 53212

**CIVIL ENVIRONMENTAL
ENGINEERS**



Repair of pneumatic gas line in cover layers



South slope of Phases 5 and 6, closure area IV with first lift of clay placement



Damaged pipe during drying of clay lift for Closure Area IV



Removal of the access road to Phases 1 thru 3 to allow overlay between Phases 6 and 7



Phase 7 active area viewed from the West



Phase 7 active area viewed from the Southwest corner



Active area viewed from the across to Phases 1 thru 3



South slope of Phase 7



West and South slope of Phase 7



West slope of Phase 7 and slopes of temp sed basin