



## Memorandum

### ADS Emerald Park Landfill Audit Summary

**TO:** ADS Emerald Park Landfill Standing Committee, City of Muskego  
**FROM:** Faith Spear.  
**COPIES:** File  
**DATE:** 10/14/16  
**PROJECT NUMBER:** 1012.10030

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Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of September 25, 2016. The audit was performed at 12:00 PM on **September 29, 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:

- Overcast day with fast moving clouds
- Working face in middle of Phase 7
  - Trucks delivering waste for placement from above, along West side of Phase 7
  - No other working faces
- Workers using equipment to dig out old access road
  - Soils from road deconstruction reserved for use as daily cover
- One compactor, two dozers and one excavator working on site
- Recovered soils used for daily cover
  - Alternate daily cover stockpiles present
  
- One flare in operation; no blowers in use
- One shut down since last audit
- Gas delivery shut down on 9/29/16 prior to audit
  - Due to sensor failure
  - Repair underway during audit
  
- Two rain events since last audit; about 1"
  - Wet weather with little accumulation all week
- Basins are well drained
  
- No odors
- Liquid loads tipped in active area of Phase 7
  
- Litter on site; clear off site
  - Especially on South and West slopes of Phase 7
- Pickers working
  - More pickers expected to work tomorrow

#### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos

- US 45 and 8 Mile Road clean; site roads gritty
- Scale camera in use; 3 equipment operators; no spotter
  - Receiving approximately 1,400 TPD
    - MSW, Special and C&D wastes
    - Bio-soils received on 9/28
  - Random load inspection 9/23/16
  - No rejected loads
- Residential drop-off site clean
  - E-waste container present
  - Metals box full; others empty

Comments:

- Testing for surface emissions happening during audit
  - Testing for Landfill Gas emission
- Removal of access to Phases 1 thru 3 continues
  - Concert road surface has been removed
  - Soils are being recovered for use on site
- Incoming soil loads are tipped in Phase 7
- Road to Phases 1-3 will be restored when needed

**Construction Audit:**

- No excavation or placement expected today
- Contractor waiting newly placed clay lift to dry

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 29, 2016  
 Auditor on site at:  Open  Close

TIME 11:12

WEATHER Overcast, fast moving clouds

WIND 10-30  
W S E W

TEMP Maximum 64 °F Minimum 57 °F B.P. 30.24

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						
	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 receiving waste from above/west of Phase.  
Equipment digging out old access road soil component for cover  
No other working faces



Cover Material:

Recovered soils from site operation  
ADC Stockpiles present

B. Leachate Management:

Discharge to MMSD  Recirculation

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 type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	1
Flare use since last audit		#	1	
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 shut down on 9/22 prior to audit due to sensor failure. Repair ongoing

D. Surface Water Management:

Storm Events Since Last	# 2	Est. Volume	~111
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

It's been a wet week, with several days with sprinkling rain. Basins well drained

E. Odor Control:

Odors Present: Onsite  Offsite

Comments:

No odors

F. Liquid Loads Received:

Tipped in active area

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"/>	#

Comments:

More pickers requested tomorrow. Litter on South and West of Phase 7 slopes

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 clear. Site roads gritty

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:	9/23/16					
Tonnage:	1,400 TPD					

Comments:

Bi-sol received on 9/23  
Today waste MSW, C&D, Special

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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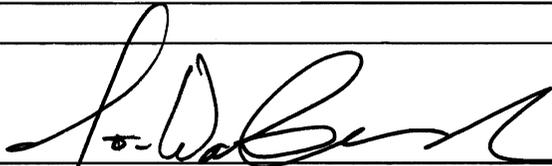
Metal box full, other boxes empty, site clean

M. Other Comments:

\* Surface emission testing during Audit, surface testing for LFG emission

\* Removal of access to Phase 1 thru 3 ongoing concrete removed, now soil. Soils being tipped in Phase 7 when received. Road to Phase 1-3 will be restored when needed

Auditor's Signature:

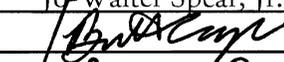


Date: 9/29/16

Auditor's Printed Name:

Walter Spear, Jr.

Management Signature:



Date: 9/29/16

Management Printed Name:

Brent Carlson

Management Title:

AS Manager

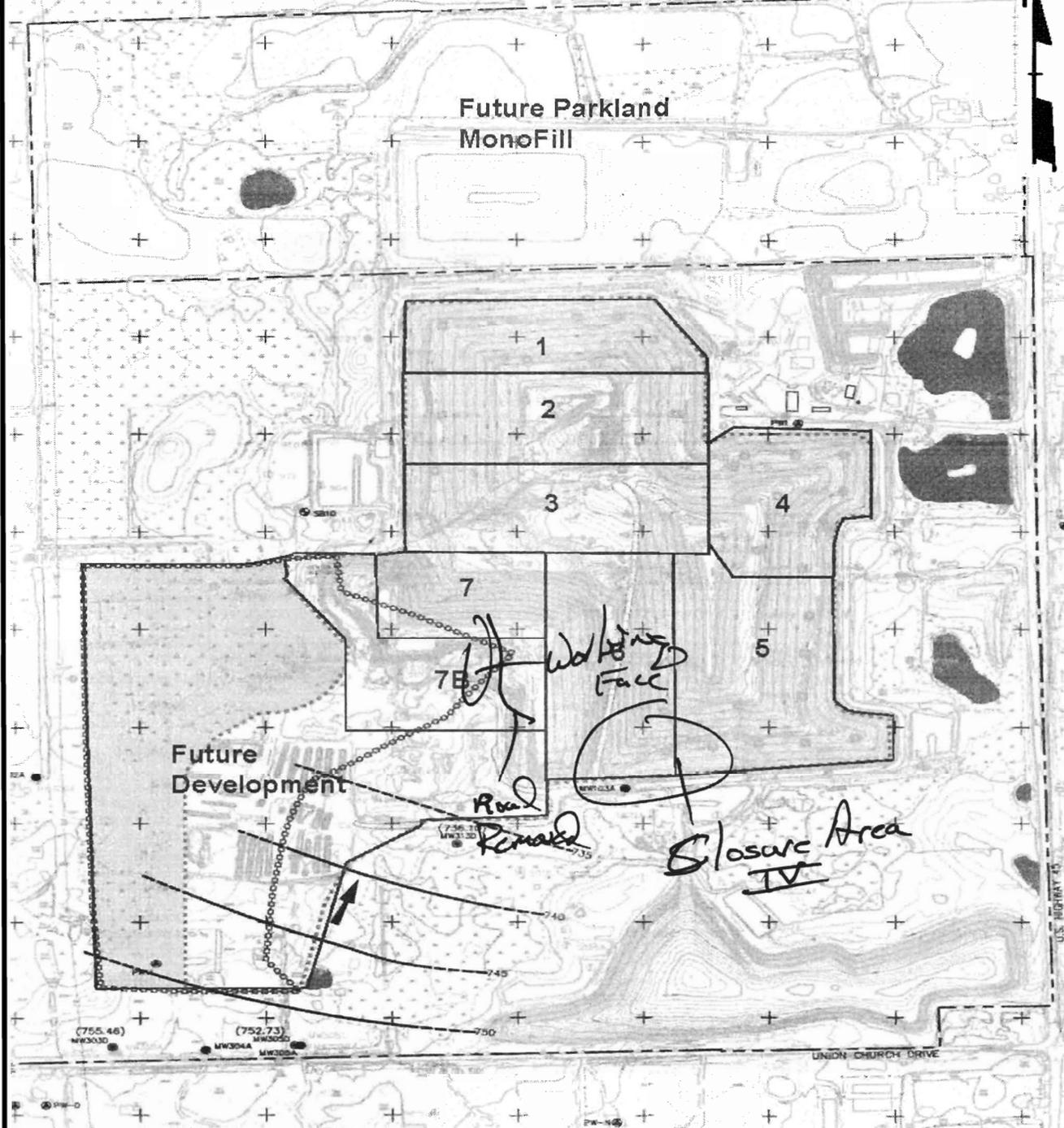
JSA Principal Signature:

Date:

ADS



Future Parkland  
MonoFill



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 September 29, 2016

TIME 11:50

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

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

A. Work Accomplished Today (Scheduled & Completed):

Contractor working to dry currently placed lift of clay. No excavation or placement expected today.



B. Excavations / Soil Management:

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C. Off Site Hauling

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

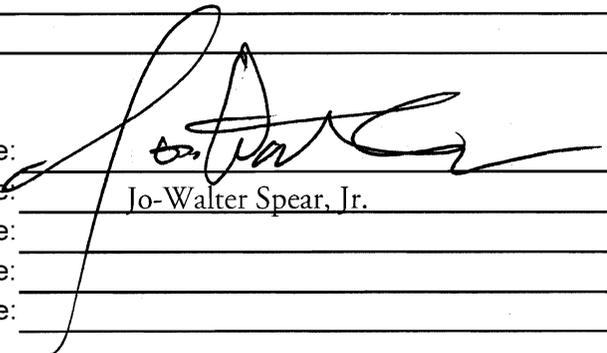
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Auditor's Signature: 

Auditor's Printed Name: Jo-Walter Spear, Jr.

Management Signature: \_\_\_\_\_

Management Printed Name: \_\_\_\_\_

Management Title: \_\_\_\_\_

Date: 9/29/16

Date: \_\_\_\_\_

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

PROJECT NO. 1012.10030



Closure Area IV junction with Closure Area III; equipment working to dry clay





Equipment actively working clay to increase drying speed



Second clay lift, drying before additional lift placements



Second clay lift, drying before additional lift placements



Second clay lift, drying before additional lift placements



View to the East across Phase 7, active area and working face



View to the East across Phase 7, active area and working face



View to the North across Phase 7, active area



Excavation area South of Phase 7. No excavation today



Fencing for litter and demarkation along access into working face in Phase 7



Staged out equipment and materials for Closure Area IV on access to Phase  
7



Compost on West slope of Phase 7



Above temp sed basin, compost cover for vegetation, seeding later in the fall



Temp Sed Pond well drained (pumped down) after rain events