



Memorandum

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 05/12/16
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of March 27, 2016. The audit was performed on **March 30, 2016** by Jo Spear in the presence of Michael Hackney, General Manager.

Landfill Operations Audit:

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

- Overcast sky; pending rain
- Working face for in middle of Active Area in Phase 7.
- Wet bio-soil load accepted and placed in Phase 3 earlier this week
- One compactor, one dozer, two excavators and one haul truck working on site
- Daily cover composed of soils and foundry sands

- All leachate discharging to MMSD; no recirculation
- Gas flow to MMSD consistent at 1,500 cfm
 - Gas plant delivering, no flares in operation during audit
 - One blower in operation
 - Flare lit once since last audit
 - Shut down for maintenance early in week
 - No other shutdowns; steady delivery
 - Vegetation in fair condition

- Two storm events since last audit; about 1"
 - Basins still draining
 - Basin 2 has about 1" freeboard
 - Other basins well drained
- No odors
- Liquid loads periodic

- Litter present on-site; Clear off-site
 - 4 pickers working
 - Removing litter from on-site trees
 - Pickers working near active face during audit
- US 45 and 8 Mile Road clean

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 1,500 TPD
 - Mostly MSW, Special Wastes, C&D and very small volume of soil
 - Random load inspection 3/25/16
 - No rejected loads
- Residential drop-off site clean
 - E-waste container present

Comments:

- Potential seep developing under access road
 - Inspected and to be addressed with elevation changes
- Ditch cleaning on-going
- Evaluation of well in Northwest corner of Phase7 happening during audit

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 March 28, 2016
 Auditor on site at: Open Close

TIME 11:34

WEATHER Overcast, possible rain

WIND 0-10 MPA
 N E W

TEMP Maximum 57 °F Minimum 55 °F B.P. 29.90

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face is roughly middle of Active Area, in Phase 7. Wet loads of bio soil received in Phase 3 earlier this week.



Cover Material:

Soils, foundry sands

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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

Comments:

Shutdown for maintenance at beginning of week, otherwise steady delivery

D. Surface Water Management:

Storm Events Since Last	#	2	Est. Volume	-1"
-------------------------	---	---	-------------	-----

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

Basins draining, Basin 2 at 1' freeboard, other basins well drained.

E. Odor Control:

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

Comments:

No odors

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"/>	# 4

Comments:
 Litter in site trees being removed. Litter picking about working face 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 75 & 3 Mile Clean

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:	3/25/16			
Tonnage:	1,500 TFD			

Comments:
 New, Special, C&D and very small volume of soil

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L. Residential Drop Off: Open During Audit E-Waste Container Present

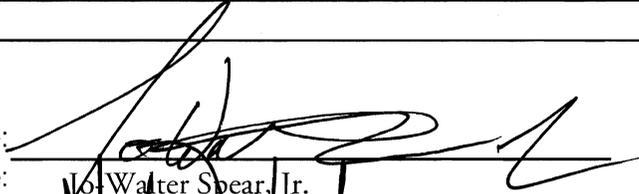
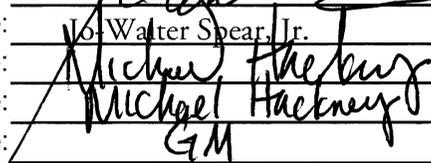
Drop off area clean.

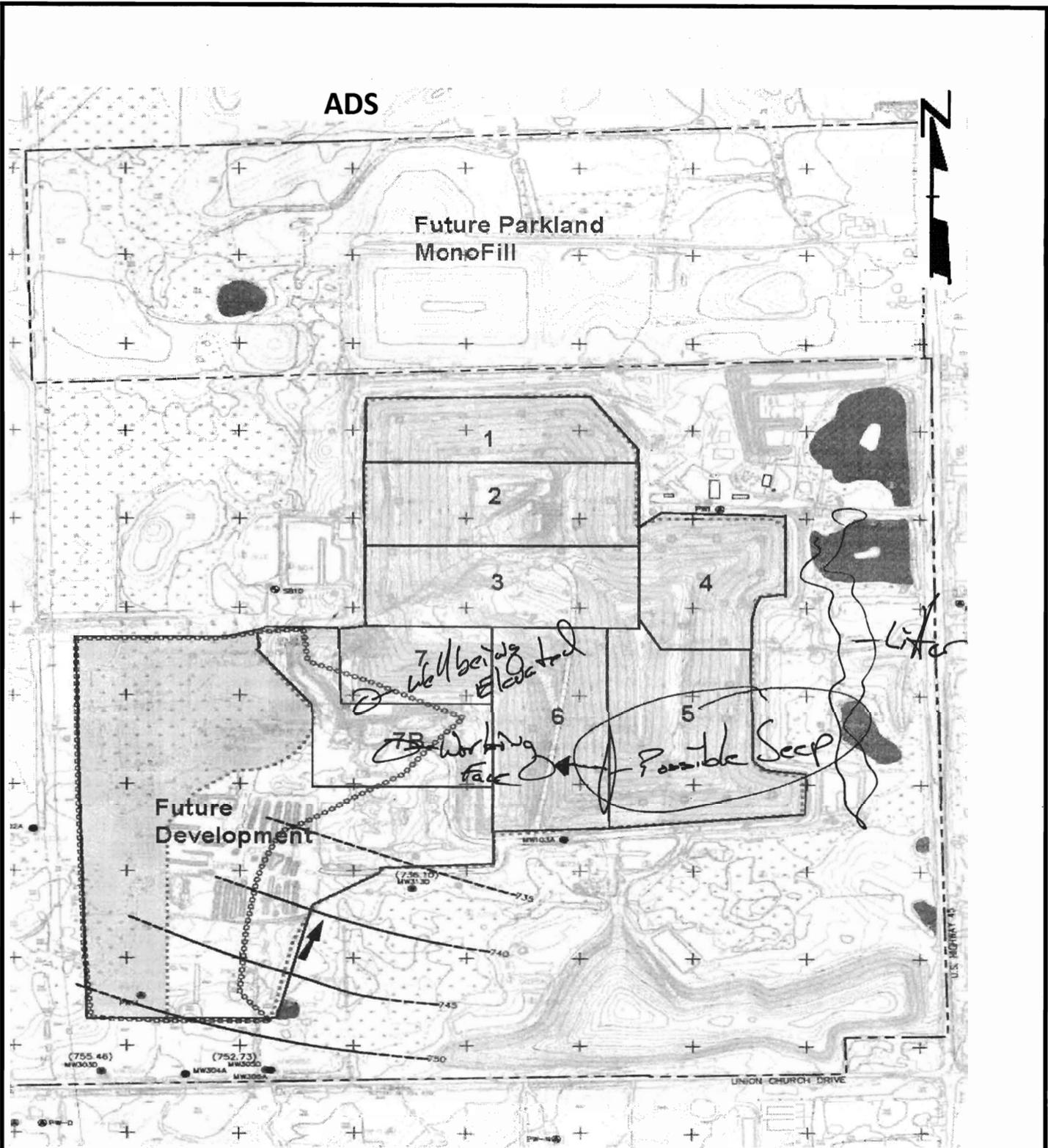
M. Other Comments:

* Potential seep under access road. being inspected, ~~at~~ and addressed with elevation changes

* Ditch cleaning ongoing

* Well being elevated during audit in Northwest corner of Phase 7

Auditor's Signature:		Date:	3/28/16
Auditor's Printed Name:	Walter Spear, Jr.	Date:	3/30/16
Management Signature:		Date:	
Management Printed Name:	Michael Hackney	Date:	
Management Title:	GM	Date:	
JSA Principal Signature:		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



Well raising ongoing during audit



2410 N. Palmer Street
Milwaukee, WI 53212

**CIVIL ENVIRONMENTAL
ENGINEERS**



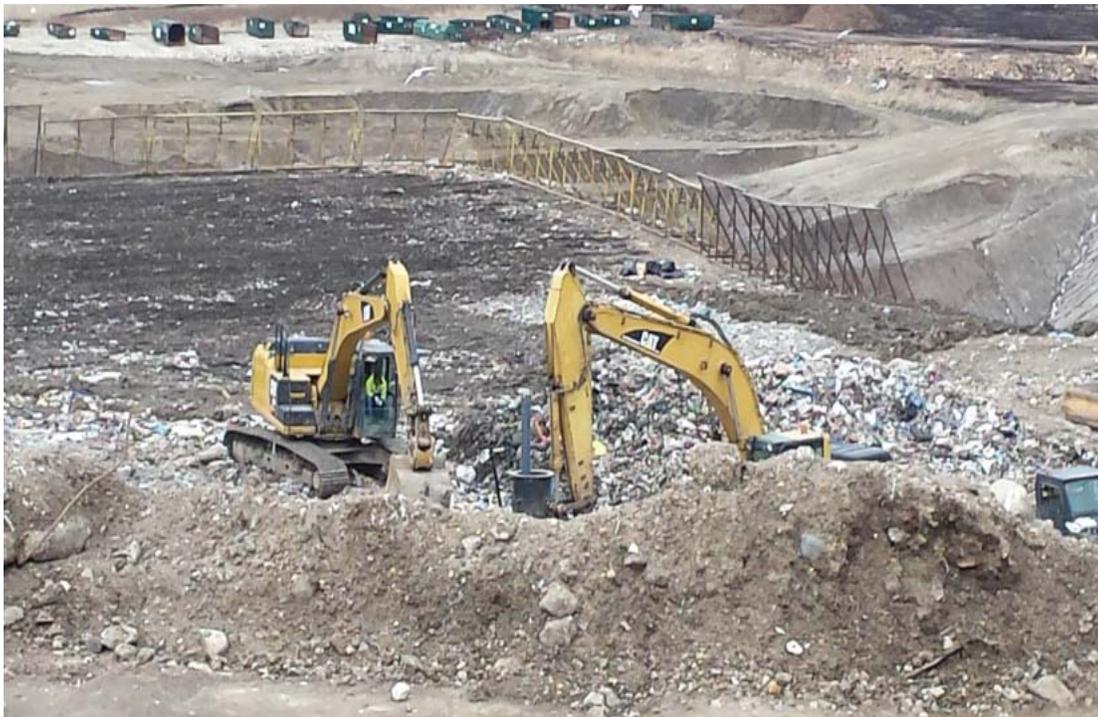
Active area viewed from the North



Active area viewed from the Northwest



Overview of the working face from the North



Equipment being used to raise cason style gas well



Active area approach



C&D materials stockpiled for use at end of day, daily cover support



Working face viewed from the West, wood seconds/chipped wood, being used for travelway stabilization



Basin #2, some draining since last audit



Basin #2, elevation higher than the top of control structure. Other Basins have freeboard