



Memorandum

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 02/16/16
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of February 1, 2016. The audit was performed at 4:05 PM on **February 1, 2016** by Jo Spear, Jr. in the presence of Michael Hackney, General Manager.

Landfill Operations Audit:

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

- Clear, sunny day; few clouds
- Working face in Northeast corner of Phase 7B
 - Waste placement allowing for new access road through footprint
- One compactor, two dozer and one excavator in use in active area
- Soils, C&D and recovered materials used for daily cover

- All leachate discharging to MMSD; no recirculation
- Gas flow to MMSD at full capacity since midday today
 - Flare off during audit; had been in continuous use until this afternoon
 - One blower in operation
 - No complete shut downs since last audit

- Rain event on 1/31; about 1"
 - Rain aided in melting conditions
 - Ongoing surface flows since rain
 - Basins have freeboard
- Odors on-site; none off-site
 - Minor gas odor about South end of Phase 7
- Liquid loads periodic

- Litter on-site; clear off-site
 - Litter confined to site footprint
 - One picker working
- US 45 and 8 Mile Road gritty; site roads muddy, some tracking

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 1,500 TPD of MSW, special wastes and C&D
 - Minor amounts of bio-soils coming in
 - Random load inspection 1/29/16
 - No rejected loads
- Residential drop-off site clean
 - E-waste container present
 - Boxes mostly full
 - Last open to public on 1/30/16

Comments:

- Access road construction on-going in Phase 7
 - Existing road to be removed after new road construction complete
- New wells to be installed in 2016 Expected to seed this fall
- New erosion evident on South end of Phases 5 & 6
- Leachate recirculation will start in February 2016
- Well in Phase 7 is being extended today to make way for future waste placement

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 February 1, 2016
 Auditor on site at: Open Close

TIME 4:05

WEATHER Clear, Sunny, some clouds

WIND 0-5
 N E

TEMP Maximum 37 °F Minimum 27 °F B.P. 30.02

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 is Northeast corner of
Phase 5, into Phase 6. Waste
being placed to develop access road
through foot print



Cover Material:

Soils, C&D. Recovered covers mixed

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"/>	#	#
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	# Continuous			
Shutdowns Since Last Audit:	# None			
Flow to MMSD:	# 1600 cfm			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

MMSD taking full flow since midday
Flare off during audit

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	~1"
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Rain event on 2/31 aided in melting
ongoing surface flows today. Basins
have freeboard

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Minor gas odor about Phase 7 South end

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"/>	# 1

Comments:

Some litter about site, but not out of foot print.

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 1/2 3 Mile gritty. Site roads muddy with some tracking.

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:	1/29/16		
Tonnage:	1,600 TPD		

Comments:

Major bio soils received. MSW, Speed and C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Boxes mostly full, in use on 1/30

M. Other Comments:

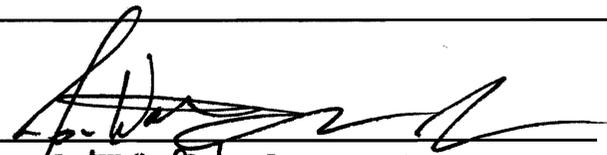
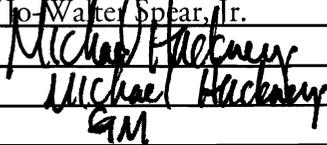
* Access road construction ongoing
Once road to Phase 7 is built existing
road will be removed

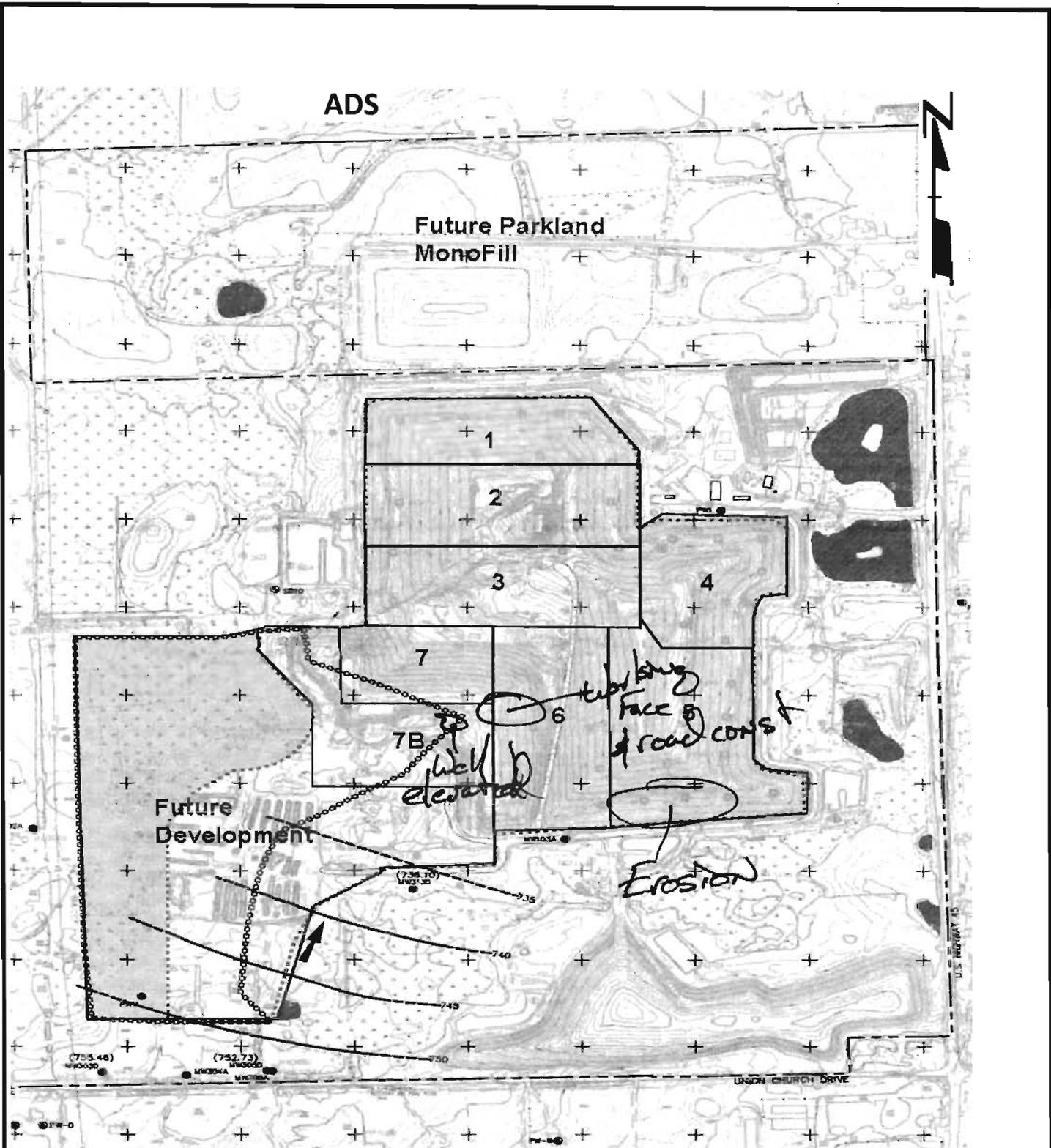
* Site will be installing wells in 2016

* New erosion on South end of Phase 5 & 6

* Leachate recirculation to start in
February of 2016

* Well in Phase 7 extended today for
future waste placement.

Auditor's Signature:		Date:	2/1/16
Auditor's Printed Name:	Walter Spear, Jr.	Date:	2/1/16
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



Erosion on South slope above ditch line





Access road heading North, splitting Phases 6 & 7



Working face viewed from Northwest



Previous working faces in active area, well covered



Active area, South East corner inactive



Stockpiles of debris for road construction



Working face



Phase 7, intermediate cover placed.



Phase 7 South slope viewed from South



South slope of Phase 7 and Phase 3 in the distance