



Memorandum

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 05/13/16
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of March 20. The audit was performed at 3:20 PM on **March 24, 2016**, by Jo Spear, Jr. in the presence of Scott Croft, Gas Well Technician.

Landfill Operations Audit:

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

- Overcast sky, with some snow & rain
- Working face in middle of Phase 7
 - Previous two days of rain have impacted conditions
 - Active area very wet, mucky & tracking on site roads
- One compactor & two dozer working on site
- Soils, wood (from C&D waste) & tarp providing daily cover

- All leachate discharging to MMSD; no recirculation
- Flares in use during audit; no blowers in use
- Gas plant shut down since 3/21/16
 - Meter off-line preventing gas delivery
 - Repairs expected 3/25/16

- Three storm events since last audit; about 1.5" so far
 - Continuing rain & snow forecast for tonight
- Erosion apparent in Phases 5 & 6
- Ditches were cleaned yesterday and earlier today.
- No odors
- Liquid loads periodic

- Litter on-site; clear off-site
 - Additional litter due to weather conditions over weekend
- Six pickers at work until noon today; stopped due to weather conditions
- US 45 and 8 Mile Road show tracking
 - Site roads are very mucky & wet

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 1,600 TPD
 - Incoming loads are MSW, C&D, low volume of special wastes
 - No rejected loads
- Residential drop-off site clean
 - E-waste container present
 - Area was closed on Saturday due to police investigation

Comments:

- Murder investigation on Saturday prevented site operations on 3/19/16
- Drainage repairs made this week
- Litter especially severe on and along front road
- Temporary sediment basin has only 1" freeboard
 - Will be pumped overnight

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 24, 2016
 Auditor on site at: Open Close

TIME 3:20

WEATHER Overcast, snowy rain

WIND S-3S
 Ⓝ S E W

TEMP Maximum 36 °F Minimum 21 °F B.P. 29.57

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	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. Working
Active area very wet, muddy & tracking,
two days of rain have ~~created~~ impacted
conditions in active area for travelways



Cover Material:

Soils, wood & tarp.
↓ C&D waste

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 type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Flare use since last audit	#	3/21/16		
Shutdowns Since Last Audit:	#	1		
Flow to MMSD:	#		cfm	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Meter offline preventing delivery of gas
Repair expected 3/25/16

D. Surface Water Management:

Storm Events Since Last # 3 Est. Volume 1.5"

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

Continuous rains with possible snow tonight
additional erosion in phase 5/6. Ditches cleaned
today and yesterday

E. Odor Control:

Odors Present: Onsite Offsite

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"/>	# 6

Comments:
 Pickers active until noon due to weather.
 Litter from Saturday impacting conditions

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 48 & 8 Mile has tracking, sight conditions very muddy & wet

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:				
Tonnage:	1,600 TPD			

Comments:
 MSW, LTP, and low volume special wastes

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Closed on Saturday due to Police investigation
 3/19/16

M. Other Comments:

* Murder investigation on Saturday prevented site operation all day 3/19/16

* Drainage repairs done this week

* Litter severe in and on Front Pond

* Temp Sed Basin 2-1' Freeboard & being pumped overnight.

Auditor's Signature:

Auditor's Printed Name:

Jo-Walter Spear, Jr.

Management Signature:

Management Printed Name:

SCOTT CROFT

Management Title:

Gas well technician

JSA Principal Signature:

Date:

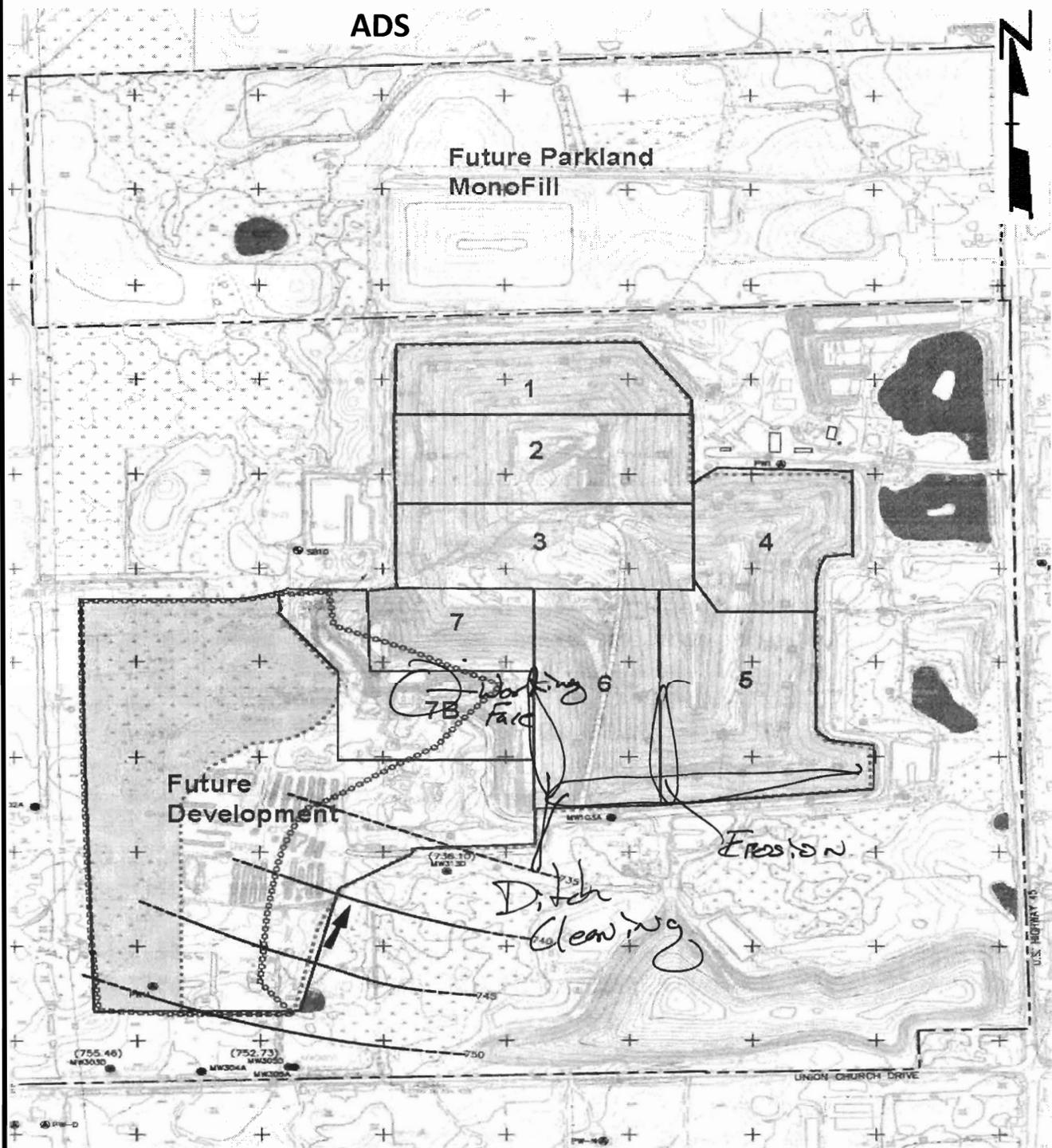
3/24/16

Date:

3/24/16

Date:

ADS



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



Junction between Phases 5 & 6, closure area III to the East, right. Repairs expected in dry conditions





Ditch cleaned along toe of Phase 5&6 South slope



Ditch cleaned along toe of Phase 6 West slope



Overview of the active area



Working face viewed from above and North



Active area approach



Active area viewed from the East



Compactor working waste placement, dozers covering waste after placement



Working face, long and thin, laid out North South in the center of Phase 7.



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