



## Memorandum

### ADS Emerald Park Landfill Audit Summary

**To:** ADS Emerald Park Landfill Standing Committee, City of Muskego  
**FROM:** Faith Spear.  
**COPIES:** File  
**DATE:** 8/30/16  
**PROJECT NUMBER:** 1012.10030

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Attached is the audit report for activities 3:05 PM on **July 28, 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:

- Low cloud cover; possible rain
- Working face in Southwest corner of Phase 7 along outboard slopes
- Staff cutting trench for liquid loads in working face during audit
  - Liquid load tipped into new trench during audit
- One compactor, one bulldozer, one excavator and one haul truck active on site
- Site and tipped soils used for daily cover
  
- 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 during audit
    - No flares lit since last audit
  - Shut downs for regeneration only
  - Supply to MMSD has been continuous for last 20 days
  
- Three rain events since last audit; about 1"
  - Rain over 7/23-24 weekend
  - Basin #2 discharge clogged
    - Draining underway by pump
  - All other basins well drained
- Odor on West side of active area
- Liquid loads periodic
  
- Minimal litter on-site; clean off-site
  - Litter is well managed
- One picker working
- US 45 and 8 Mile Road clean; site roads clean, too

#### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos

- Scale camera in use; 3 equipment operators; no spotter
  - Receiving approximately 1,200 TPD
    - MSW, cover soils, foundry sand, special and C&D and contaminated soils
  - Random load inspection 7/25/16
  - No rejected loads
- Residential drop-off site clean
  - E-waste container present and recently emptied
  - Boxes empty ready for residential users

Comments:

- New access road to Phase 7 under construction
- Basin #2 scheduled for cleaning when draining is completed
  - outfall will be cleaned also
- Liquids trench has been relocated to working face in Phase 7
- Delivery of sand and stone from Mallard Lake to begin again next week
  - Delivery will coincide with back-haul of clay to Mallard Lake

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 July 28, 2016  
 Auditor on site at:  Open  Close

TIME 3:05

WEATHER Low Cloud cover, Possible rain

WIND S-15  
 Ⓜ S E W

TEMP Maximum 75 °F Minimum 67 °F B.P. 29.92

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Haul Truck		✓				

A. Working Face Size and Location:

Working face in Southwest corner of these 7  
at out board slopes. Liquid load  
trench being cut in working face  
during audit and liquid load being  
tipped



Cover Material:

Soils, tipped soils

B. Leachate Management:

Discharge to MMSD  Recirculation

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		#	None	
Shutdowns Since Last Audit:		#	Regens only	
Flow to MMSD:		#	1,500	cfm
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Continuous supply to MMSD for 20 Days

D. Surface Water Management:

Storm Events Since Last # 3 Est. Volume 21"

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

Rain events the weekend of 7/22

Basin #2 discharge clogged & being drained by pump. All other basins well drained

E. Odor Control:

Odors Present: Onsite  Offsite

Comments:

Odor on west side of Active Area

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:  
*Litter well managed*

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 & 3 Mile Clean*  
*Site roads 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:	<i>7/28/16</i>			
Tonnage:	<i>1,200</i>			

Comments:  
*MSW, Cover Soil, foundry soil, special, and C&D*

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		

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

*Boxes empty including E-waste*

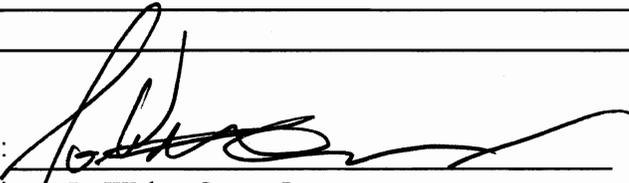
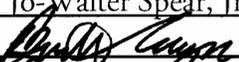
M. Other Comments:

\* New access road to phase 7 under construction

\* Basin #2 will be cleaned after draining outfall also to be cleaned

\* Liquid trench now located in working face

\* Deliver of stone & sand from Mayard Ridge to begin next week with back haul of clay

Auditor's Signature:   
Auditor's Printed Name: Walter Spear, Jr.  
Management Signature:   
Management Printed Name: Brett Garrison  
Management Title: OS Manager  
JSA Principal Signature: \_\_\_\_\_

Date: 7/28/16

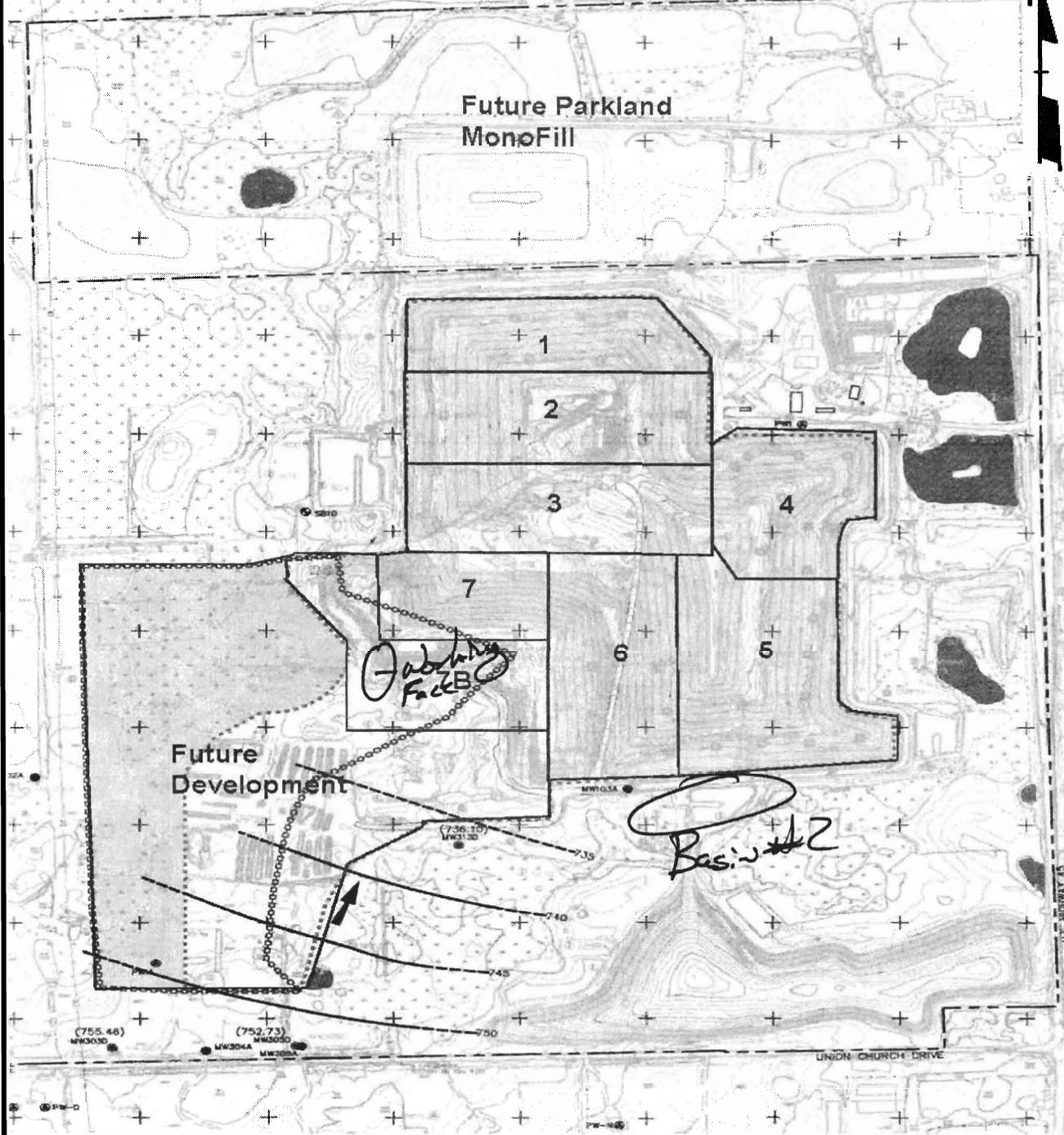
Date: 7/28/16

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 / CITY OF MUSKEGO  
AUDIT PHOTOS**

PROJECT NO. 1012.10030



Junction of Phase 3 and 7, wood for traffic use and road construction through active area



2410 N. Palmer Street  
Milwaukee, WI 53212

**CIVIL ENVIRONMENTAL  
ENGINEERS**



Working face viewed from the East



Working face with liquid load approaching



South slope of Phase 3



Excavation area, trees removed



Working face at top of slope, Southwest corner of Phase 7



South slope of Phase 7, working face in Southwest corner of Phase 7



West slope of Phase 7



West slope of Phase 7



Junction of the West slopes of Phase 3 & 7



West slope of Phase 7 and temp sed basin, drained, viewed from the North