



M E M O R A N D U M

## ADS Emerald Park Landfill Audit Summary

**To:** ADS Emerald Park Landfill Standing Committee, City of Muskego  
**FROM:** Faith Spear.  
**COPIES:** File  
**DATE:** 06/26/14  
**PROJECT NUMBER:** 1012.10030

---

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of May 19, 2014. The audit was performed at 10:41 AM on May 21, **2014** by Jo Spear, Jr. in the presence of Michael Hackney.

### Landfill Operations Audit:

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

- Working face for MSW and Soils roughly in middle of Phase 7B
  - One compactor and 2 dozers in operation
  - Bio soil tipping in Phases 2 & 3
  - Landfill direct soils and wood chips used for cover
  - Expecting more autofluff later this week
- All leachate discharging to MMSD; no recirculation
- No flares; one blower operational
  - Flares have been used since last audit
  - Approximately 1,500 cfm gas flow to MMSD
  - Occasional shutdowns reported due to moisture
  - Vegetation in fair condition
- One storm event since last audit; less than 1" accumulation
  - Basins have plenty of freeboard
  - Ditches are dry
  - Some flow from toe drains
- Garbage odor about Phase 7B
- Liquid loads periodic
- Minor litter on slope above Phase 7B
  - Two pickers at work
  - Litter controlled off-site
- US 45 and 8 Mile Road clean; site roads dusty
- Scale camera in use; 1 equipment operator; no spotter

### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos



## MEMORANDUM

- Receiving approximately 3,300 TPD
- No rejected loads
  
- Residential drop-off boxes empty and site clean
  
- Cell and gas system construction proceeding
- Repair still needed on berm behind shooting range
- Autofluff not presently available, but expected to begin again later this week

### Construction Audit Observations:

- Two dozers, 3 excavators, 4 haul trucks and 1 Bobcat in use at time of audit
- Terra Construction drilling wells in Phase 5 South slope
  - Pipe welding underway on top of Phases 3&4
- Mueller excavating remaining base for Phase 7B
  - Excavation in area to West of current liner
- Additional ditching added to bring run-off around excavation area to sump
- Liner deployment planned for 1<sup>st</sup> week of June

### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos

**VEOLIA 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 May 21, 2014  
 Auditor on site at:    Open        Close   

TIME 10:41

WEATHER Clear Sunny, Fluffy Clouds

WIND 0-5  
 (N) S E W

TEMP Maximum 80 °F Minimum 52 °F

B.P. 29.85

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 for MSW & some soils  
in phase 7B - Roughly middle of  
the phase. Bio soils being tipped  
in phase 2 & 3



Cover Material:

Landfill direct soils & wood chips

Auto fluff may return this week

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

Comments:

Still occasional shut downs due to moisture

D. Surface Water Management:

Storm Events Since Last # 1 Est. Volume 0.2/4

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

Basins with plenty of freeboard and ditches are dry, some flow from toe drains

E. Odor Control:

Odors Present: Onsite  Offsite

Comments:

Garbage odor about Phase 7s

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"/>	# 2

Comments:  
 Minor litter on slopes above Truck 7B

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 46 & B Mile Clean, dusty site roads

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:				
Tonnage:	3,300 TPD			

Comments:  
 Soils & MSW.

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		None

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

Boxes empty & site clean



M. Other Comments:

- \* Construction of Cell & Gas system ongoing
- \* Repair to Berm behind shooting range  
Not yet started
- \* Autohoff not yet available, but may return  
this week

Auditor's Signature:

*[Handwritten Signature]*

Date: 5/2/14

Auditor's Printed Name:

*[Handwritten Name]*

Management Signature:

*[Handwritten Signature]*

Date: 5/21/14

Management Printed Name:

Michael Haekel

Management Title:

GM

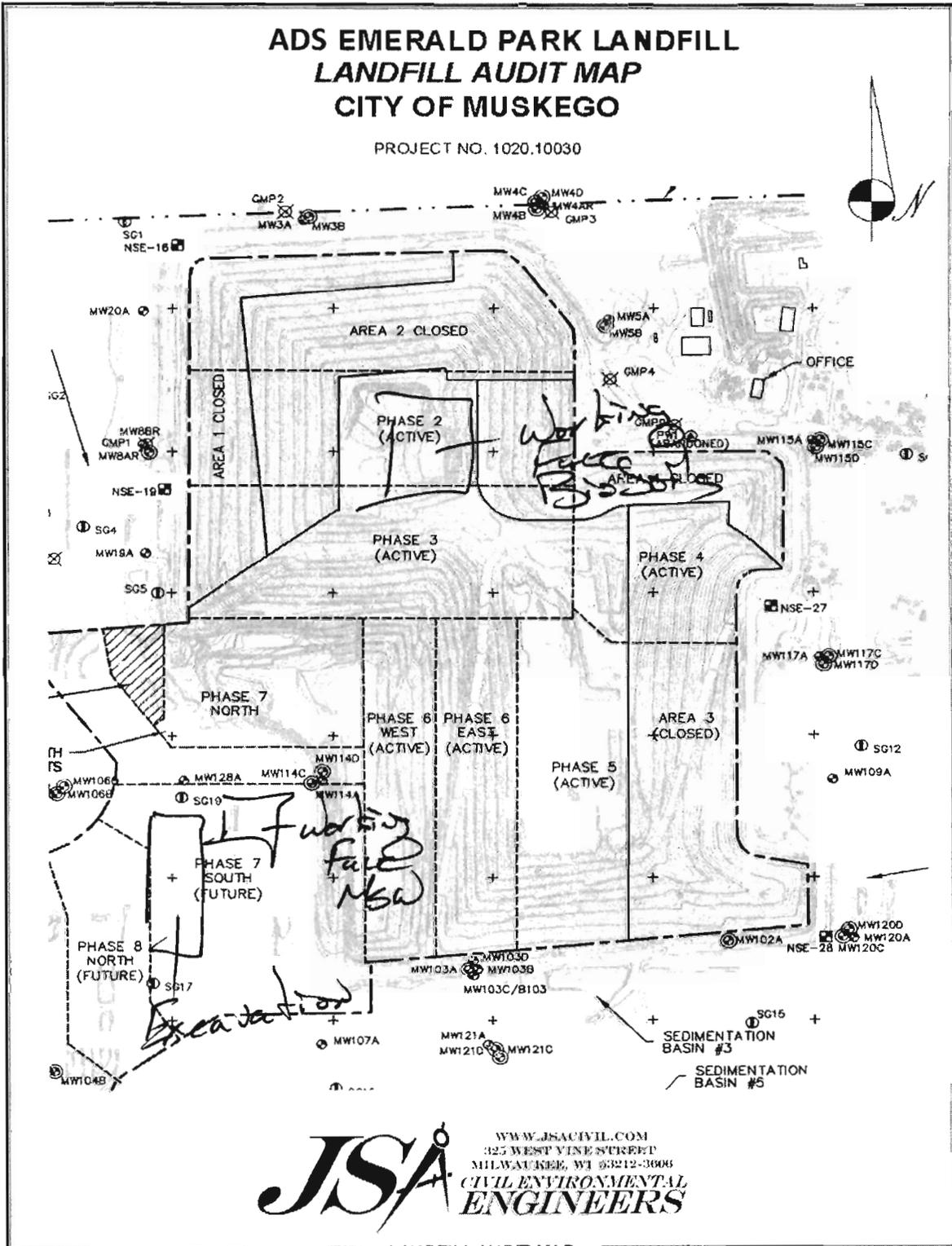
JSA Principal Signature:

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



# ADS EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




**JSA**  
 WWW.JSACIVIL.COM  
 325 WEST VINE STREET  
 MILWAUKEE, WI 53212-3606  
**CIVIL ENVIRONMENTAL  
ENGINEERS**

LANDFILL AUDIT MAP

ADVANCED DISPOSAL SERVICES EMERALD PARK LANDFILL  
 LANDFILL CONTRACTORS AUDIT FORM  
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE May 21, 2014 TIME 11:32

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor		<input checked="" type="checkbox"/>	1	Loader		<input checked="" type="checkbox"/>
2	Dozer		<input checked="" type="checkbox"/>				
3	Excavator		<input checked="" type="checkbox"/>				
4	Haul Truck		<input checked="" type="checkbox"/>				
	Water Truck						
	Sweeper						
1	Bobcat		<input checked="" type="checkbox"/>				

A. Work Accomplished Today (Scheduled & Completed):

- \* Terra drilling wells in Phase 5, South slope. Pipe welding on top of Phase 3 & 4
- \* Mueller excavating remaining base for Phase 7 to West of currently placed liner.
- \* Ditching added to bring run off around and off excavation area to sump. Liner deployment ~ 1st week of June



B. Excavations / Soil Management:

Soils excavated being used to fill  
low area South of Phase 7s

C. Off Site Hauling

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

Auditor's Signature: \_\_\_\_\_

Auditor's Printed Name: \_\_\_\_\_

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

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

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

*[Handwritten Signature]*  
Michael Harkney  
GM

Date: 5/21/14

Date: 5/21/14



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

PROJECT NO. 1012.10030



Header and well placement completed in Phase 3 & 4



Well drilling on South slope of Phase 5



Bio soil stockpile and header installation in Phase 3



Working face viewed from North



Ongoing construction of Phase 7B



New gas line and limits of Western edge of Phase 7B



West slope of Phase 6, above Phase 7B, soil restored after gas system installation



Active area



Construction on remainder of Phase 7B liner base