



MEMORANDUM

ADS Emerald Park Landfill Audit Summary

TO: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Jo-Walter Spear, Jr., P.E.
COPIES: File
DATE: 10/25/13
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of October 21, 2013. The audit was performed at 1:30 PM on **October 25, 2013** by Jo Spear, Jr. in the presence of David Geier.

Landfill Operations Audit:

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

- Working face at Western edge of Phase 7
 - Moving Eastward across previous lift
 - Outboard slope cover soils stockpiled on West & South slopes
- One compactor and 1 Dozer in use during audit
- Autofluff used for cover; reusing outboard slope soils for intermediate cover
- Leachate discharging to MMSD during operation hours; otherwise recirculating
- One blower in operation; no flares, flare used as needed
 - Gas flowing to MMSD on request
- Vegetation in fair condition
- No precipitation since last audit
 - Basins have plenty of freeboard
 - Ditches clean
- Minor odors in active area
- Liquid loads are periodic
- Litter on-site
 - Two pickers present, operating residential drop-off
- US 45 & 8 Mile Road clean; site roads gritty
- Tipping scale camera in use; no spotter
 - Approximately 1,500 tons per day
 - Predominately MSW; 1,600 tons of soil from small project
 - No rejected loads

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- Residential drop-off area active
-
- Gas plant operating and supplying gas at cfm requested by MMSD
- Phases 2,3, 6 & 7 undergoing preparation for future working face placement
 - Identifying soils that can be removed & reused, creating additional air space
 - Seeding of closed and intermediate areas expected to be done next week

Construction Audit

- Sand placement nearly finished; clay flipped over sand
- When clay is finished and documented the liner can be deployed
- 1 compactor, 4 dozers, 2 excavators and 3 haul trucks at work
- Most Eastern stockpile has been seeded
- Excavations are near completion

Construction Audit

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 5/09/2013

Updated: 5/09/2013

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	5/09/2013	Seep in Rainflap, Southwest corner of Phase 7		ASAP	06/06/2013	28	All contact water is being treated as leachate and pumped back into Phase 7. Repaired liner with welds.
2	07/25/2013	Construction entrance open and unattended	NR530.10(11	ASAP	07/25/2013	0	David Geier, Site Manager, closed and locked gate during audit

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

PROJECT NO. 1020.10030

DATE October 25, 2013
 Auditor on site at: Open Close

TIME 1:30

WEATHER Clear, Some Clouds, brisk

WIND 10-20
 N S ~~E~~ W

TEMP Maximum 48 °F Minimum 32 °F

B.P. 29.10

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Dozer		✓				
1	Compactor	✓					

A. Working Face Size and Location:

Working face at Western edge of Phase 7
moving Eastward, across previous lift
outboard Slope cover coils stockpiled
on ~~East~~ West and South Slope



Cover Material:

Autotuff for daily cover
Soils for outboard slope/intermediate cover

B. Leachate Management:

Discharge to MMSD Recirculation

Phases:

Discharge during operations hours

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	# As Needed			
Shutdowns Since Last Audit:	#			
Flow to MMSD:	# Varies cfm			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

System varies based on District requests

D. Surface Water Management:

Storm Events Since Last # 0 Est. Volume

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

Roads & Ditches have plenty of freeboard

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Minor odors about 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"/>	# 2

Comments:

Pickers active running Resi-drop off

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 & 8 mile (low) Site roads gritty

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:						NA
Tonnage:						1,500 TPD

Comments:

1600 Tons of soil, small project

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

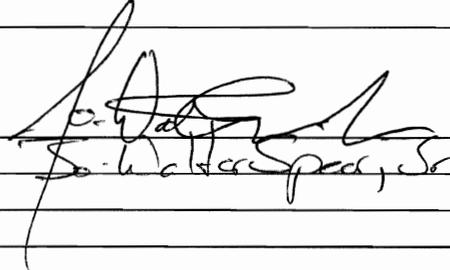


M. Other Comments:

* Gas plant operating and supplying gas at Gm requested by MNSD

* Phases 2, 3, 6 & 7 being prepared for future working face placement, identifying soils that can be removed & reused, creating Air Space.

* Seeding for closed & intermediate areas expected to be done next week.

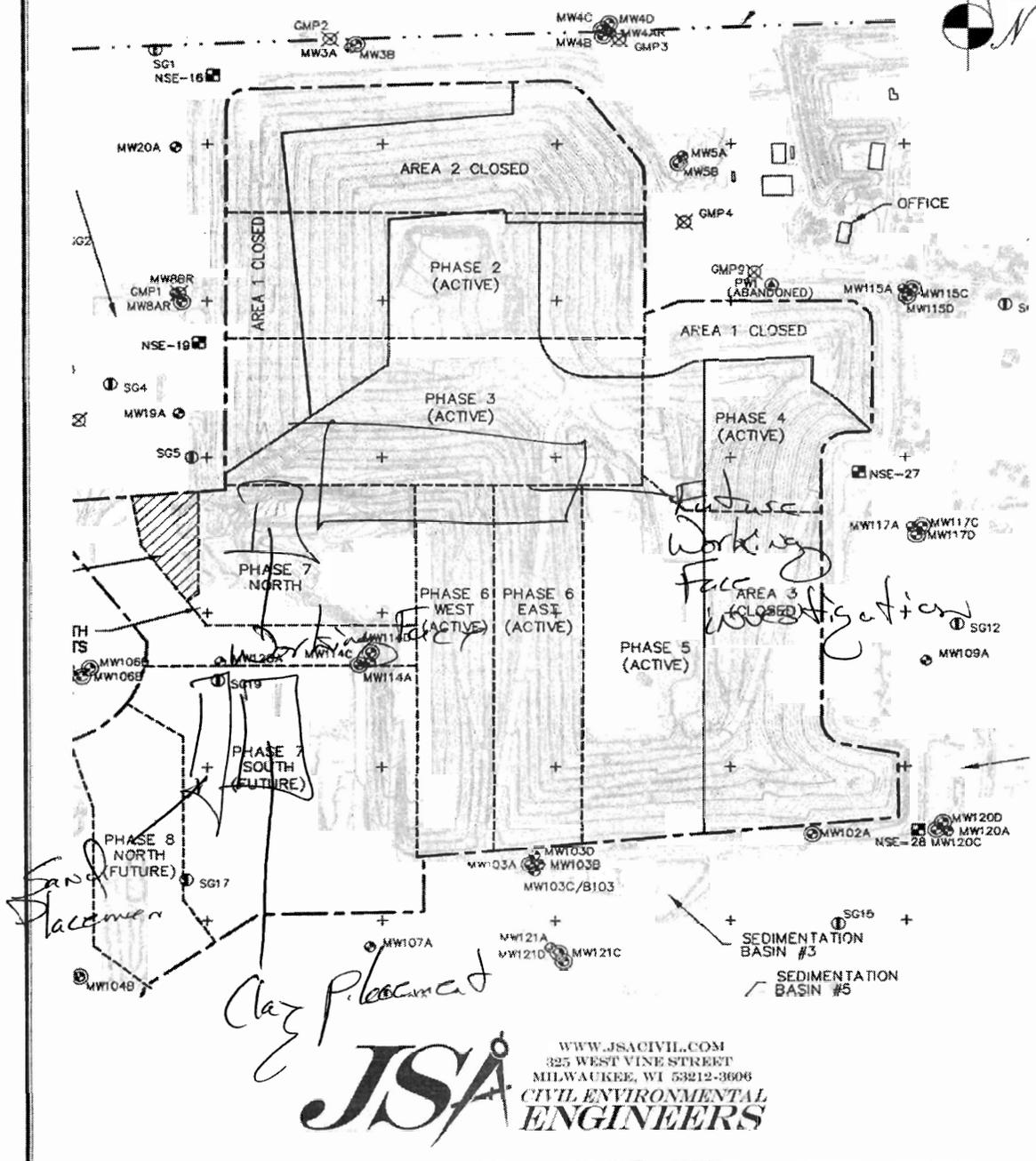
Auditor's Signature: 
Auditor's Printed Name: S. Walters
Management Signature: _____
Management Printed Name: _____
Management Title: _____
JSA Principal Signature: _____

Date: 10/25/13
Date: _____
Date: _____



ADS EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030





 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 October 25, 2013

TIME 2:05pm

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
4	Dozer						
2	Excavator						
3	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

Sand placement nearly finished and clay flipped over it. When clay is finished and documented the liner can be deployed.

Stockpile most Eastward has been seeded

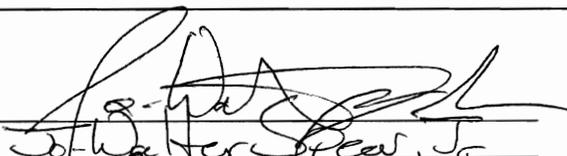


B. Excavations / Soil Management:

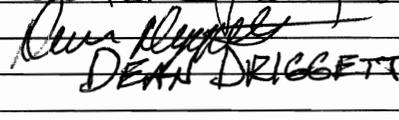
Nearly Completed

C. Off Site Hauling

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

Auditor's Signature: 

Auditor's Printed Name: John Waters Spear, Jr.

Management Signature: 

Management Printed Name: DEAN DRIGGETT

Management Title: _____

Date: 10/25/13

Date: 10/25/13



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

PROJECT NO. 1012.10030



Working face at Southwest corner of Phase 7



Test pit for soil depths in Active area



Compactor damage in minor accident



Clay being flipped onto gradient layer



South end of Phase 8, excavation ongoing



Eastern stockpile covered with topsoil and seeded.



Western stockpile