



Memorandum

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 10/05/15
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of August 17, 2015. The audit was performed at 2:55 PM on **August 20, 2015** 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:

- Working face moving across top of Southern slope of Phase 7B; from West to East
 - Southwest corner is now filled and finished with intermediate cover
- One compactor, one dozer, one excavator and one haul truck working on site
- Daily cover consists of soil and sands

- All leachate discharging to MMSD; no recirculation
- Gas flow to MMSD consistent at 1,400 cfm
 - Gas plant delivering
 - One blower in operation
 - Flares in use only during regenerate
 - Shutdowns only during regeneration
 - Some flaring during audit due to MMSD's inability to use full gas volume
 - Vegetation in fair condition

- Two storm events since last audit; nearly 2"
 - Basins still have plenty of freeboard
- Downside ditch on Phase 5 South slope eroded
 - Other ditches in that area filling with silt

- Gas odor in parking lot area
 - Could be from Additives
- Liquid loads periodic

- High winds past two days have contributed to litter on-site
 - Mostly caught in fences
- One picker working
- US 45 and 8 Mile Road clean; site roads clean

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 1,600 TPD
 - MSW, special wastes, small amount of landfill direct soils & cover soil
 - Random load inspection 8/14/15
 - No rejected loads
- Residential drop-off site clean
 - E-waste container present
 - Boxes predominately empty

Comments:

- Ditches flowing well even in silty areas
 - No clogging pipes
- Backhaul completed
 - Removing poorer quality clay and using for cover, s
 - Exposing higher quality clays beneath

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 August 20, 2015

TIME 2:55

Auditor on site at: Open Close

WEATHER Overcast, low clouds, sprinkling rain

WIND 10-15
 N S (E) W

TEMP Maximum 69 °F Minimum 55 °F

B.P. 29.78

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

A. Working Face Size and Location:

Working face moving across the top of Phase 7B's South slope from West to East. Southwest corner filled and both South and West slope have intermediate cover



Cover Material:

Soils, sands

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
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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	#	Regular Only		
Shutdowns Since Last Audit:	#	Regular Only		
Flow to MMSD:	#	1,400	cfm	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Some flaring due to MMSD abt ↓ taking full volume of gas

D. Surface Water Management:

Storm Events Since Last	# 2	Est. Volume	< 2"
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins have plenty of freeboard. Downslope ditch on phase 5 south slope eroded. Ditches filling with silt in some area

E. Odor Control:

Odors Present:	Onsite <input type="checkbox"/>	Offsite <input type="checkbox"/>
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Comments:

Gas odor, possibly acetaldehyde in parking lot

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:

High winds the past two days litter increases

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 & B Mile clean, Site roads clean as well

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"/>	#	2
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	8/14/15			
Tonnage:	1,600 992			

Comments:

MSW, Special Wastes, small volume of LD & Cover Soils

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

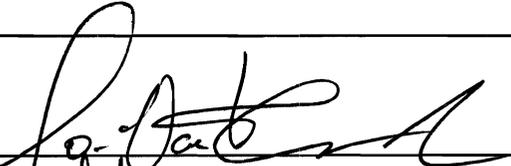
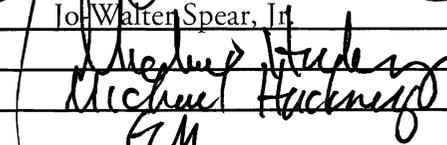
Residential Drop Off:	Open During Audit <input type="checkbox"/>	E-Waste Container Present <input checked="" type="checkbox"/>
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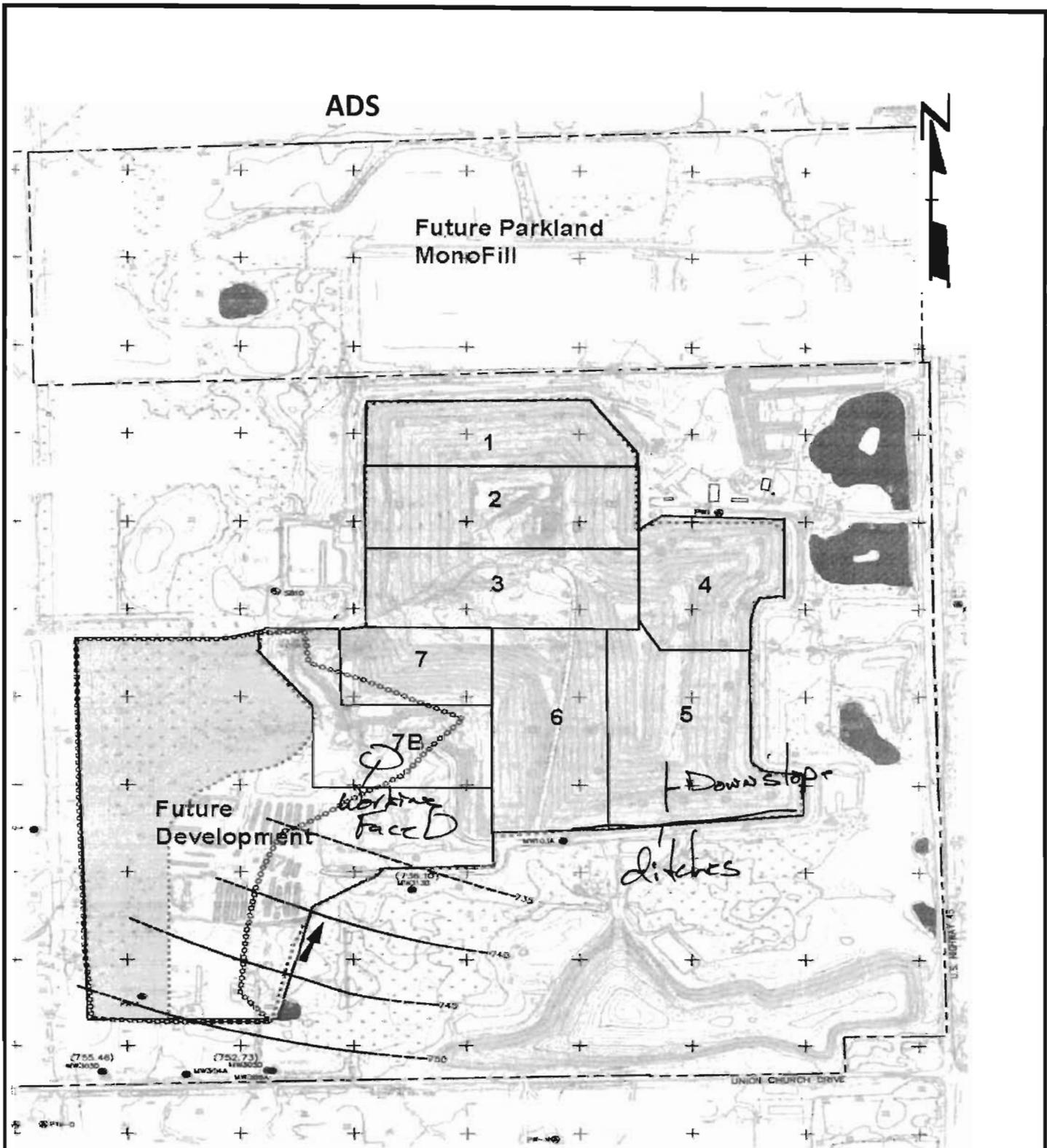
Site clean, boxes predominantly empty

M. Other Comments:

* Ditches have plenty of flowage
in silty areas, no clogging of pipes

* Backhaul completely poor quality
clay being used for cover to expose
higher quality clays

Auditor's Signature:		Date:	8/20/15
Auditor's Printed Name:	Joe Walter Spear, Jr.	Date:	8/20/15
Management Signature:		Date:	
Management Printed Name:	Michael Huckmeyer	Date:	
Management Title:	EM	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



Cover soils placed over unused portion (North) area of active area



Junction of Phase 7 and Phase 3. Intermediate cover on Phase 3 South slope and daily cover on horizontal lift of Phase 7



Working face viewed across active area. Broken well head in the foreground, replaced at time of breaking. Well head will be repaired and re-used



Working face receiving waste



Poor quality clay/soil being excavated for use of cover and access to higher quality clay



Working face viewed from the East



Southwest corner of Phase 7B, slopes to be covered with intermediate cover of soil



Junction of Phase 3 and Phase 7



West slope of Phase 7/7B, intermediate cover of soils.



Working face viewed from Southwest



Landfill footprint viewed from Southwest