



Memorandum

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 06/14/16
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of April 10, 2016. The audit was performed at 2:30 PM on **April 11, 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:

- Partly clouds; periods of sun
- Working face on West side of Phase 7, just to East of the top of slope
 - Larger than usual working face
 - Operator squaring-off active area to create better access for placement of next lift
- One compactor, one dozer, one excavator and one haul truck at work on site
- Daily cover composed of soils and sand

- All leachate discharging to MMSD; no recirculation
- Gas plant shut down – second week
 - Still waiting for essential part for repair
 - One flare & one blower in use

- Three storm events since last audit; about 1.5”
 - Consistent snow events last week
 - Melt causing erosion on site
 - Melt water creating a steady flow to basins
- Odors both on and off-site
 - Smell of aluminum burning from foundry sands loads
 - Wind carrying smell from active area to downwind off-site locations
- Liquid loads (periodic) direct applied to working face

- Litter on-site; clear off-site
 - One pickers working during audit
 - Litter heaviest on East slope of Phases 4 & 5
 - Additional pickers (4 total) scheduled for tomorrow
- US 45 and 8 Mile Road clean and site roads dusty, but otherwise clear

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 1,500 TPD
 - MSW, special wastes and C&D
 - Random load inspection 4/8/16
 - No rejected loads
- Residential drop-off site clean
 - E-waste container present
 - Boxes still full from weekend activity

Comments:

- Temporary sediment basin has been pumped way down
 - Pump off & set aside until next rain event
- Soils being excavated from top of Phases 4,5 & 6 to provide daily cover
 - Newly excavated areas are sloped to drain into Phase 7
- High volume of sand being used as “floor” development
 - Providing improved travel ways on site

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 April 11, 2016
 Auditor on site at: Open Close

TIME ~~1:30~~ 2:30

WEATHER Cloudy with sun

WIND 10-35
 N S E

TEMP Maximum 47 °F Minimum 31 °F B.P. 29.89

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 on west side of Phase 7,
 but East of top of slope. Working face
 is larger than usual. Operator squaring
 off active area for future lift
 placement



Cover Material:

Soil and sands

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

Comments:

Awaiting part for gas plant.

D. Surface Water Management:

Storm Events Since Last	# 5	Est. Volume	21.5"
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Consistent snow events last week, melt causes erosion and provides flows to Basins

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Few days ago sand (Aluminum burning) smell on and off site down wind of active Area

F. Liquid Loads Received:

Periodic - direct application to working face

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:

4 Pickers expected tomorrow. Litter heavy on East slope of Phase 4 & 5

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, and site roads dusty, otherwise area 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"/>	#	0
Random Load Inspection Dates:	4/8/16			
Tonnage:	1,500 TAD			

Comments:

MW, Special wastes, and C&D

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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Boxes full from weekend

M. Other Comments:

* Temp sed Basin pumped way down
and pump is off until next rain
event

* Soils excavation from top of phases 4, 5, & 6
for daily cover. Excavation sloped into
phase 7 for drainage

* High volume of sands being used for
"floor" development, improved travel way

Auditor's Signature:

Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature:

Jo-Walter Spear, Jr.

Butt Cochr

Brian Cochran

Operations Manager

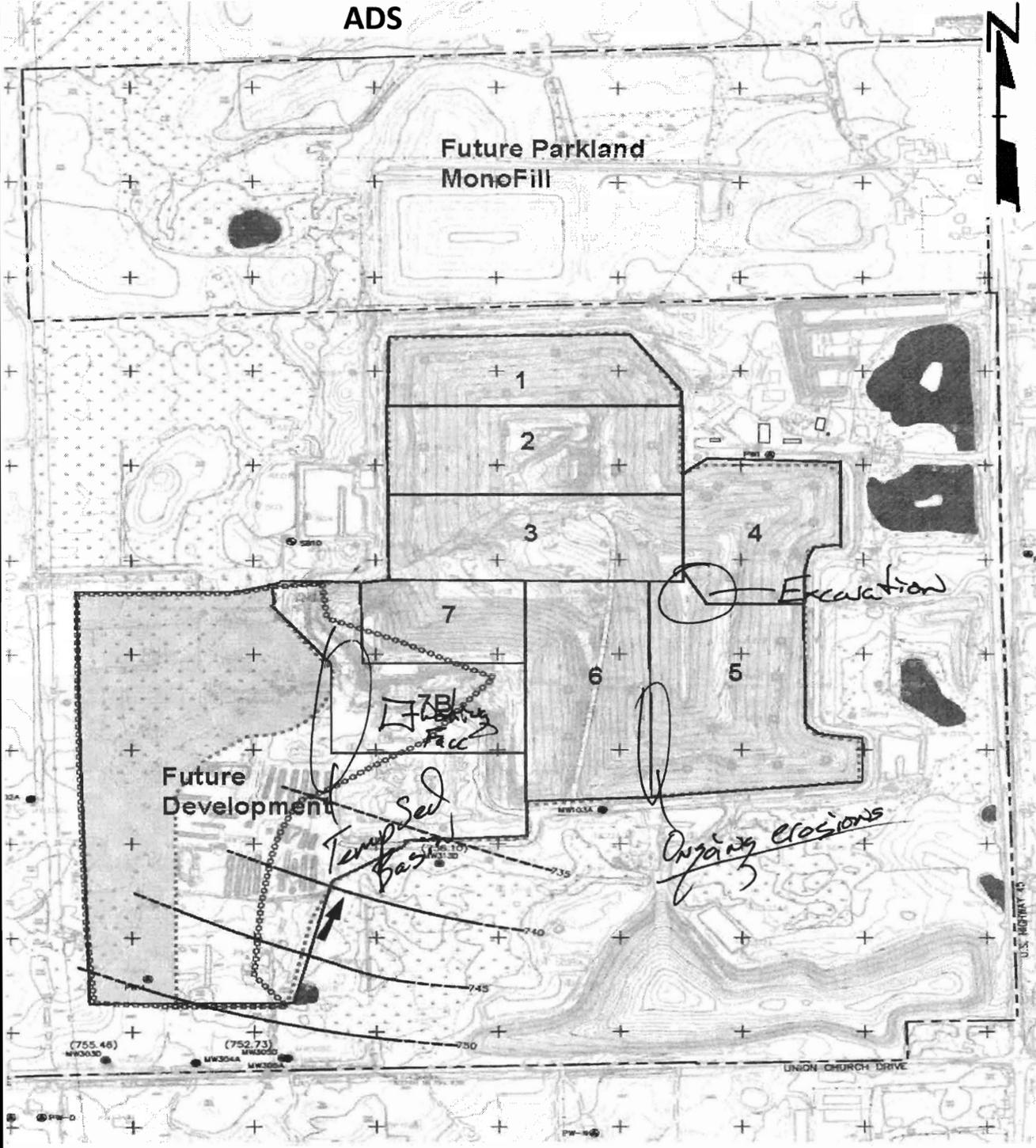
Date:

Date:

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



Landfill direct soils being excavated from previous placement in Phases 4,5, & 6





Working face viewed from the North



Active area and working face



Active area East of Working Face



Active area access



Active area viewed from North



Active area approach to working face



Working face, note stock piled soils excavated from Phase 4,5,6



Working face viewed from South



Temp sed basin, nearly drained by 4" pump



Working face near South edge of top of slope of Phase 7B