



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: 04/22/2020
PROJECT NUMBER: 1012.10030

Due to the COVID-19 pandemic, JSA Environmental and Advanced Disposal are engaging CDC guidelines and common sense. Audits will not be conducted in a shared vehicle until social distancing requirements have been revoked. Audits will be conducted in office or over the phone after the auditor has made all observations.

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of April 26, 2020. The audit was performed at 1:19 PM on **April 29, 2020** by Jo Spear, Jr. ADS EPLI provided a vehicle to allow the auditor to travel about the site to make observations. Michael Hackney, General Manager was contacted by phone to discuss site conditions.

The last audit was performed on April 22, 2020

The weather conditions were overcast, high clouds, and ongoing rain. Strong winds gusting out of North to Northwest

Landfill Operations Audit:

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

The operation required the use of one compactor and one bulldozer

A) Working Face and Location

- Working face on top of Phase 7 South, at South end, top of slope against West edge of Phase 6
- No other working faces in operation
- Daily cover consists of soils and ADC soils previously stockpiled

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Site delivering majority of flow to MMSD
- Flare destructing LFG that is not being delivered to MMSD
- MMSD controlling flow of gas
- Total gas destruction 2,300 cfm

D) Surface Water Management

- Two days of heavy rains have nearly filled basins
- Temp sed basin well drained by pumping

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Site slope repairs completed
- E) Odor Control
 - Strong onsite odors and offsite
- F) Liquid Loads
 - Tipped in Phase 7 South
 - Volumes reduced by 2/3rds due to process improvements
- G) Litter Control
 - Advanced is limiting pickers on the site to minimize risk
 - Three pickers, well spaced about the site
 - Wet conditions reducing spread of litter, litter greatly reduced since previous audit
- H) Vehicle Impacts
 - US45 and Union Church Road are clean, but the left turn lanes and WMWI Metro are muddy
 - Site roads rough and entrance patched with crushed stone; very rough
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving 1,600 TPD of MSW, C&D, and special wastes
 - Random Load Inspection last performed 4/23/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Boxes all empty
 - Site clean with manageable tire pile
- L) Other Comments
 - Odor complaints on the rise, site still draining wells and increasing vacuum
 - strong winds considered to be a factor
 - no other activities on site

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

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

PROJECT NO. 1020.10030

DATE April 29, 2020 TIME 1:19 PM
 Auditor on site at: Open Close

PREVIOUS DATE: April 22, 2020 Completed

WEATHER High clouds, overcast and ongoing rain since 4/28 WIND 10-25 MPH Flux of N to NW
 N S E W

TEMP Maximum 52 °F Minimum 41 °F B.P. 29.47

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	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 in Southeast corner of Phase 7 South adjacent to Phase 6, with some
exposure to the outside slope of Phase 7 South.
No other working faces.



Cover Material:

ADC Soils and site soils previously stockpile

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	# Continuous			
Shutdowns Since Last Audit:	# 1			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 2,300		cfm	

Comments:

MMSD taking nearly all gas, flare barely lit

Shutdown on 4/26/2020, shutdown lasted 4 hours

D. Surface Water Management:

Storm Events Since Last	# 2	Est. Volume	-3"
-------------------------	-----	-------------	-----

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

Two days of heavy rain have nearly filled basins, but not yet at top of control structure.

Control structures are closed. Temp sed. basin is well pumped down.

Slopes in good shape and repairs completed

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Odors, strong gas, on site and on Union Church downwind of Active are

Odors on 8 Mile Road as well after wind gusts

F. Liquid Loads Received:

Client has new press system, liquid load frequency has diminished by 2/3rds

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"/>	# 3

Comments:

Wet conditions preventing wind blown litter in high winds

Pickers active on South side of site during audit, litter reduced since previous audit

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 and Union Church clean except for left turn lanes and WMWI Metro entrance which were muddy

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:	04/23/2020				Form	<input type="checkbox"/>
Tonnage:	1,600 TPD					

Comments:

MSW, C&D, and Special wastes being tipped

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Site appears clean and all boxes emptied

Tire pile reduced and manageable

L. Other Comments:

* Three odor complaints since previous audit. Site is still pumping down wells and increasing vacuum to wells. The high wet winds are an additional impact.

* No contractor or other activities this week besides waste placement, leachate, and LFG managment

Auditor's Signature: _____

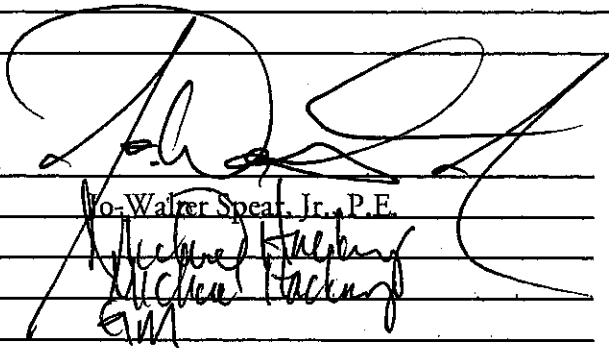
Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature _____



The Auditor's signature is a large, stylized cursive signature. The Management signature is a smaller, more legible cursive signature.

Date: 04/30/2020

Date: 4/30/20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Control structure of Basin 3, litter greatly reduced. Tree growing from control structure





Basin 2



Control Structure of Basin 2



West slopes restored after trenching



West slopes restored after trenching



West slopes restored after trenching



No evidence of seeps on West slope



Phase 7 viewed from the West



Phase 7 viewed from the West



Phase 7 viewed from the West



Temp. Sed Pond well pumped



Dozer placing waste for compaction on outboard slope



Working face at top of South slope at junction of Phase 6 & 7 South

**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