



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: 03/25/2020
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 Audits will not be conducted in a shared vehicle until social distancing requirements have been revoked.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 March 22, 2020. The audit was performed at 12:03 PM on **March 24, 2020** by Jo Spear, Jr. Michael Hackney, General Manager was contacted by phone to discuss site conditions.

The last audit was performed on March 19, 2020

The weather conditions were some clouds, sun, and changing winds

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 two dozers

- A) Working Face and Location
 - Working face on top of Phase 7 Souths
 - No other working faces in operation
 - Daily cover consists of soils and ADC
- B) Leachate Management
 - Leachate being pumped to MMSD treatment
- C) Gas Monitoring and Management
 - Site delivering partial flow to MMSD
 - Flare destructing LFG that is not being delivered to MMSD
 - MMSD controlling flow of gas
 - Total gas destruction 2,300 cfm
 - Site odors hve become less severe, minor odors rather than strong
- D) Surface Water Management
 - No events since last audit
 - Basins and interior slopes not visible enough for evaluation
 - Exterior, capped slopes are in good condition with minimal erosion

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos



- E) Odor Control
 - No offsite odors
 - Ongoing trenching increases the probability of odors
- F) Liquid Loads
 - Tipped in Phase 7 South
- G) Litter Control
 - One litter pickers active
 - Three pickers expected for tomorrow
 - Picker filled bags along US45 awaiting collection
 - Union Church road has litter left from snow melt
- H) Vehicle Impacts
 - US45 heavily tracked from WMWI entrance, contracted sweeper running broom dry, not adequate cleaning
 - Entrance rough and patched with crushed stone
- I) Inspection of Incoming Waste
 - Site operating with two equipment operators
 - Receiving 2,300 TPD of MSW and high volume of soils
 - JSA will identify location of soil working face next audit
 - Random Load Inspection last performed 3/17/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Boxes to be emptied today and/or tomorrow to prepare for next open date
- L) Other Comments
 - Gas vacuum still being increased on new wells
 - Contractor has 8,600 linear feet of air and force main lines to install
 - 1,000 linear feet installed so far
 - Contractor using an excavator and haul truck to trench and install hdpe pipelines

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 March 24, 2020 TIME 12:03 PM
 Auditor on site at: Open Close

PREVIOUS DATE: March 19, 2020 Completed

WEATHER Some clouds, sun and changing winds WIND 10-15 with gusts
 N S E

TEMP Maximum 44 °F Minimum 34 °F B.P. 30.13

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

A. Working Face Size and Location:

Working face appeared to be on top of Phase 7 South with soils being tipped in a separate working face further North in Phase 7 North.

No other working faces in use



Cover Material:

Site implementing soils and other ADC cover

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	# Flare has been in constant use			
Shutdowns Since Last Audit:	# none			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 1,200	cfm		

1,100 cfm flared

Comments:

MMSD has been controlling flows since the start of the year, not exceeding outflow of 1,200 cfm

Site improvements have not yet shown an increase in gas for destruction

However, site odors have become less severe over the last month; offsite odor complaints still exist

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins and interior slopes were not visible for the audit, exterior "capped" slopes were in good condition with minimal erosion

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No odors about the exterior of the site, but the wind direction would not distribute odors to local roads

Due to site trenching gas release and odors are expected

F. Liquid Loads Received:

Tipped at MSW working face

G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

Three pickers expected tomorrow. Picker filled bags along US 45 during audit
Union Church road has litter left from snow melt

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

Entrance rough and patched with crushed stone.
US 45 heavily tracked from WMWI entrance, contracted sweeper running dry and leaving road dusty and mucky

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:	3/17/2020			Form <input type="checkbox"/>
Tonnage:	2,300 TPD			

Comments:

Receiving MSW and high volume of soils

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Boxes to emptied today or tomorrow in preparation for Friday's operation

L. Other Comments:

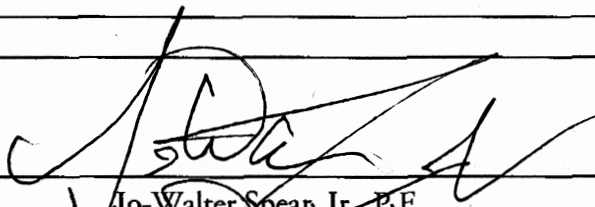
* Audit was conducted by offsite observation and a phone call with the General Manager

* Gas vacuum still being increased on new wells

* Contractor has 8,600 linear feet of air line and force main to install.

Contractor has installed 1,000 feet so far

Contractor using an excavator and haul truck to trench and install hdpe pipelines

Auditor's Signature: 

Auditor's Printed Name: _____

Jo-Walter Spear, Jr., P.E.

Date: 3/25/20

Management Signature: 

Management Printed Name: _____

Michael Hacking

Date: 3/25/20

Management Title: _____

GM

JSA Principal Signature: _____

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



Working Face
Trenching and Pipe Placement

B. Excavations / Soil Management:

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: _____ Date: _____
Auditor's Printed Name: Jo-Walter Spear, Jr., P.E.
Management Signature: _____ Date: _____
Management Printed Name: _____
Management Title: _____

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

PROJECT NO. 1012.10030



Trenching on Phase 7 slopes for the installation of air and force main lines





Trenching on Phase 7 slopes for the installation of air and force main lines

**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