

JSA Environmental

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: 10/22/2020
PROJECT NUMBER: 1012.10030

Due to the COVID-19 pandemic, JSA Environmental and Advanced Disposal are engaging CDC guidelines and common sense.

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of October 11, 2020. The audit was performed at 12:05 PM on **October 16, 2020** by Jo Spear, Jr.. Due to Auditor illness, the auditor did not meet with site staff. Instead, Chad Siegle; the Operations Manager; was contacted by phone to discuss site operations.

The last audit was performed on October 9, 2020

The weather conditions were clear skies, with high clouds, and dry

Landfill Operations Audit:

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

The operation required the use of:

- 1 compactor
- 1 bulldozers.

A) Working Face and Location

- Working face at South end of Phase 7 South, bringing new lift Northward
 - Adjacent to previous lift to the West, protecting from winds
- No other working faces
- Site is using Autofluff and site soils for daily cover

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate from Sump in Phase 7 being pretreated by filter box prior to tankering offsite

C) Gas Monitoring and Management

- Delivery shutdown on 10/12/2020 due to failed valve
 - No delivery possible until valve replaced

D) Surface Water Management

- No events since last audit
- Basins have plenty of freeboard

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Minimal new erosion
- E) Odor Control
 - No on or off site odors detected
 - Auditor did not have access to active area or access roads
- F) Liquid Loads
 - Site not taking liquid loads and will not be for quite some time due to high leachate head elevations
- G) Litter Control
 - Advanced is limiting pickers on the site to minimize risk
 - One picker active on site
 - Picker operating Residential Drop Off
 - Site litter minimal
- H) Vehicle Impacts
 - US 45 and Union Church clean; debris in left turn lanes
 - Site roads dry and dusty, entrance rough
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving MSW, C&D, and small volume of special wastes ~1,800 TPD
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Site open and very active during audit
 - Boxes reaching capacity and site clean
- L) Other Comments
 - Contractor on site constructing horizontal gas collection trench ~300 of the full 800 feet completed
 - Construction completion and connections expected next week.
 - Liner crew on site to repair rainflap, activities expected today and tomorrow to complete
 - Contractor restoring sump in Northwest corner of Phase 7 South. Sump being backfilled, full depth, with stone

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 October 16, 2020 TIME 12:05 PM
 Auditor on site at: Open Close

PREVIOUS DATE: October 9, 2020 Completed

WEATHER High Clouds, Sunny, dry WIND 5 - 15 MPH
 N E W

TEMP Maximum 51 °F Minimum 36 °F B.P. 30.12

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 at Southern to mid point of Phase 7 South, running adjacent to lift placed
along West slope of Phase 7 South, protecting area from winds
No other working faces



Cover Material:

Autofluff and site soils as needed

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	# <u>Continuous</u>			
Shutdowns Since Last Audit:	# <u>1</u>			
Total Number of Wells	# <u>All</u>	Under vacuum	# <u>All</u>	
Flow to MMSD:	# <u>NA</u>		cfm	

Comments:

Shutdown on 10/12/2020 due to failed valve. Replacement valve not yet received.

No delivery possible until valve replaced.

D. Surface Water Management:

Storm Events Since Last # 0 Est. Volume 0

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

Basins appear to be well drained. No additional erosion evident, except for vehicle tracks

on Phase 4

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No odors detected on or off site

F. Liquid Loads Received:

None

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:

Litter Minimal about site.

Litter picker operating 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 and Union Church clean and dry; debris in left turn lanes.

Site roads dry and dusty. Entrance rough

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:	10/15/2020			Form <input type="checkbox"/>
Tonnage:	1,800 TPD			

Comments:

MSW, C&D, and small volume special

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Site very active during audit. Boxes reaching capacity. Site clean

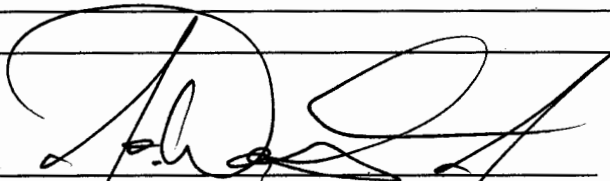
L. Other Comments:

* Installation of horizontal gas well (trench) half constructed ~300ft. Completion and connections expected next week

* Phase 7 South sump restored and backfilled with stone

* Liner crew onsite repairing rainflap. Crew expected to be active today and tomorrow.

Auditor's Signature: _____

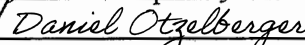


Date: 10/16/2020

Auditor's Printed Name: _____

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

Management Signature: _____



Date: 10/22/20

Management Printed Name: _____

Daniel Otzelberger

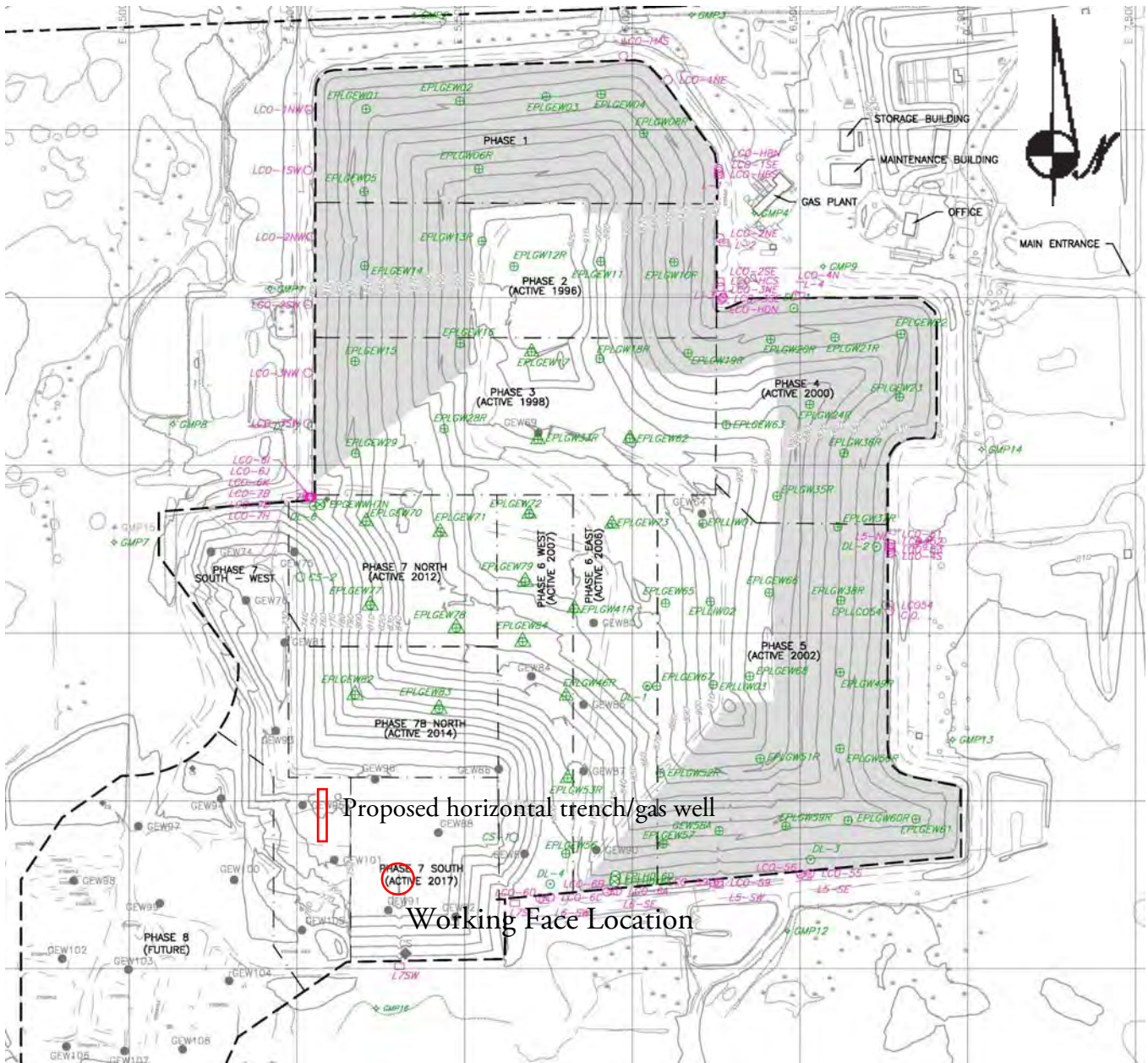
Management Title: _____

GM

JSA Principal Signature _____

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



Proposed horizontal trench/gas well

Working Face Location

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

PROJECT NO. 1012.10030



Phase 3, West slope. Erosion from Haul Truck activities.





Phase 3 & 7 viewed from a distance and the West



Phase 7 viewed from a distance and the West



Stockpiled Soils on top of Phase 3



Erosion in Phase 4

**ADS Emerald Park Landfill
Action Items Checklist
City of Muskego Audit**

Opened: 05/28/2020

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
1	05/28/2020	Leachate Seep, discharge into Temp Sed Basin	POO	ASAP			Site management addressing issue
2	05/28/2020	Leachate elevations above maintenance levels	POO & RD&D Permit	ASAP			Site management addressing issue, DNR serviing an NOV