



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: 04/03/2020
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 Audits will not be conducted in a shared vehicle until social distancing requirements have been revoked.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 29, 2020. The audit was performed at 12:03 PM on **March 30, 2020** by Jo Spear, Jr. Michael Hackney, General Manager was contacted by phone to discuss site conditions.

The last audit was performed on March 24, 2020

The weather conditions were overcast and cloudy with mild winds out of the North

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 South at South end of cell
 - No other working faces in operation
 - Daily cover consists of soils and ADC sands
- 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 2,500 cfm
- 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
- E) Odor Control
 - Minor gas odor on Union Church Road

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



- Manager indicated that there are odors on the access road, but intensity and area are smaller
- F) Liquid Loads
 - Tipped in Phase 7 South
- G) Litter Control
 - Advanced is limiting picker on the site to minimize risk
 - One picker
 - Litter appeared minimal and no offsite litter
- H) Vehicle Impacts
 - US45 heavily tracked from WMWI entrance, contracted sweeper running during audit
 - Entrance rough and patched with crushed stone
- I) Inspection of Incoming Waste
 - Site operating with two equipment operators
 - Receiving 1,600 TPD of MSW and C&D
 - Commercial waste streams have dropped off due to closed businesses
 - Random Load Inspection last performed 3/26/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Boxes being emptied during audit
 - Site clean
- 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 and force main lines to install
 - Approximately one half of the project completed
 - Contractor using an excavator and haul truck to trench and install hdpe pipelines
 - Manager had no other activities ongoing or expected in the near future

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

Cover Material:

ADC - sand and soils

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

Consistent delivery to MMSD since last audit

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:

Minor gas odor on Union Church Road. Manager stated that there was odor on the access road, but the region and intensity of the odor has diminished.

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

Comments:

Advanced is limiting pickers on the site to minimize risk. Litter appeared minimal and winds were mild
No offsite litter was noticed

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 wet brooms and it improved cleaning
Sweeper should have made additional passes

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:	3/26/2020		Form	<input type="checkbox"/>
Tonnage:	1,600 TPD			

Comments:

Receiving MSW and C&D
Commercial waste streams have dropped off due to closed businesses and shelter-in-place

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Boxes being emptied today and site clean

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 completed approximately one half of the project

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

Manager had no other activities active or expected in the near future

Auditor's Signature:

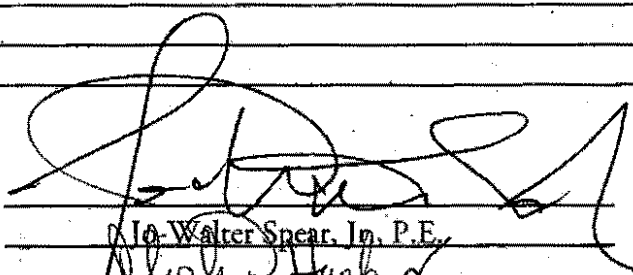
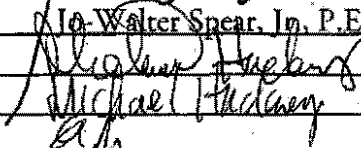
Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature:

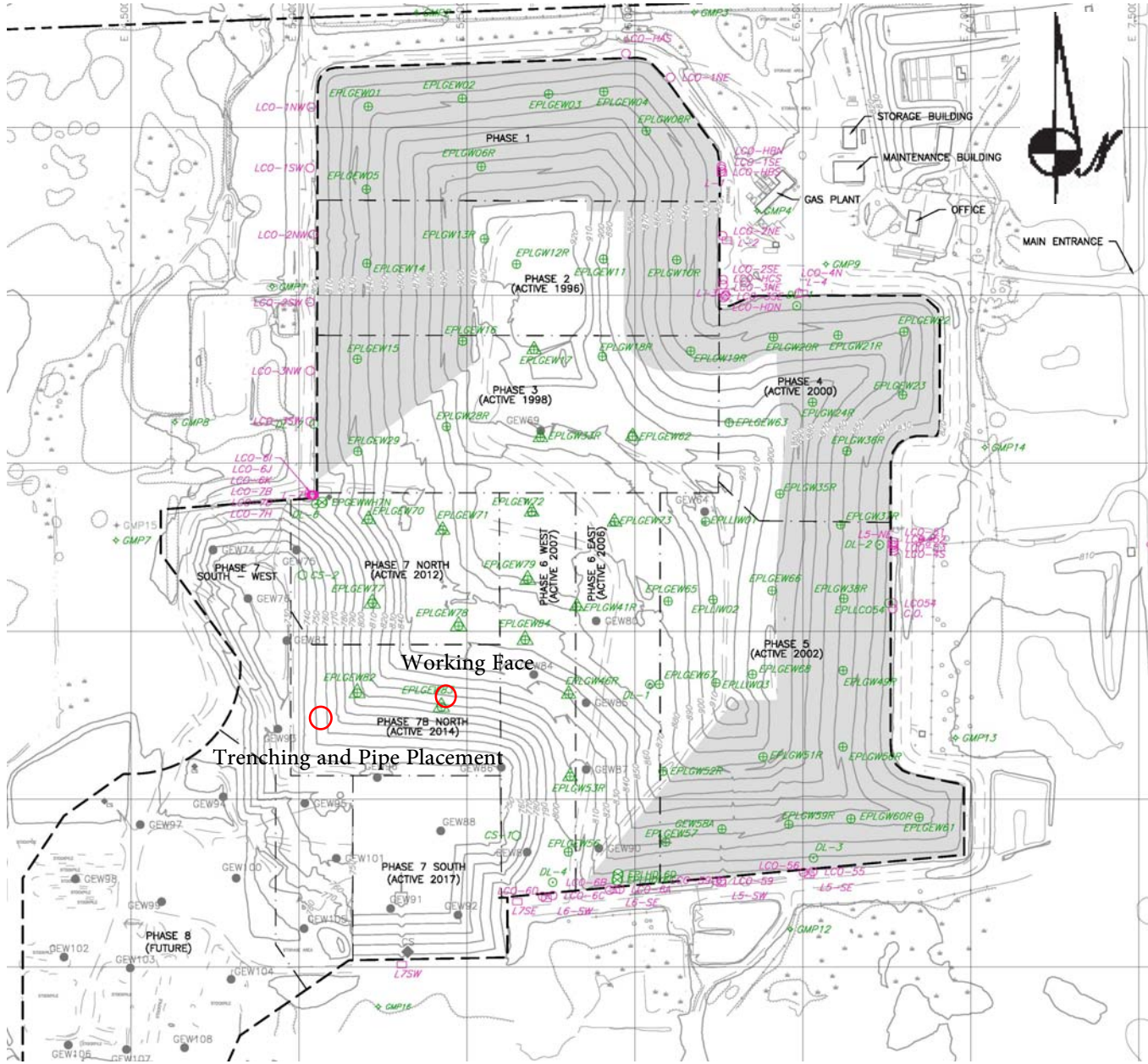

Walter Spear, Jr., P.E.

Michael Hickey
AM

Date: 3/30/20

Date: ~~3/30/20~~

Date: 3/30/20

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Working face and trenching project viewed from Union Church Road from the South





Working face on top of Phase 7 South



Trenching for line installation on West and South slope of Phase 7



Working face in Phase 7 South viewed from Union Church Road

**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