



2020 Year End Summary of Audits of the Emerald Park Landfill



Prepared For:
City of Muskego
Green For Life Emerald Park Landfill Standing Committee

(Intentionally Blank)



2020 Year End Summary of Audits of the Emerald Park Landfill



Prepared For:
City of Muskego
Green For Life Emerald Park Landfill Standing Committee

(Intentionally Blank)

2020 Green For Life Emerald Park Landfill Year End Compliance Officer Report and Audit Summary

TO: Advanced Disposal Services Emerald Park Standing Committee
FROM: Jo-Walter Spear, Jr., P.E.
COPIES: File
DATE: 03/29/2021
PROJECT NUMBER: 1012.10030

JSA Environmental (JSA) has been acting as the Emerald Park Landfill Standing Committee's (Committee) Landfill Compliance Officer since 1999. JSA conducts weekly audits of the Emerald Park Landfill's operations and construction activities. The results of these audits are recorded and presented to the Committee, in addition to being posted on the World Wide Web (WWW) for the public on the City of Muskego's web site.

Throughout 2020, as in previous years, JSA has reported to the Committee; providing the following services

- Attendance to all Committee Meetings
- Auditing of the Operations and Construction of the Emerald Park Landfill Site
- Review and recording of all documents publicly released by Emerald Park Landfill, Wisconsin Department of Natural Resources (WDNR), Host Communities, or public entities relating to the Emerald Landfill Site.
- Archiving of Emerald Park Landfill, WDNR, and Host Communities' documents.

Change of Management

At the end of May 2020; Mike Hackney was terminated from his role of General Manager for Advanced Disposal. At that time Chad Siegle was still being trained for his role as Site Manager at Emerald Park. Advanced Disposal placed Jake Margelofsky as the Temporary Site Manager and engaged in a search for a new General Manager. By the end of June 2020, Chad Siegle was installed as the Site Manager for Emerald Park. At the end of July, Dan Otselberger was hired to be the new General Manager for Advanced Disposal.

Change of Ownership

On Monday November 2, 2020 Green For Life Environmental, Inc. (GFL) acquired the Emerald Park Landfill from Advanced Disposal, via the conditions of the sale of Advanced Disposal to Waste Management. For purpose of auditing and committee meetings there does not appear to be a change in active staff from the landfill or regional support. As of the writing of this summary, there has been no change to regional and local staff.

For the ease of following the audit summary, the site will be referred to as Emerald Park Landfill (EPL); in 2021 it will be referred to as Green For Life Environmental Emerald Park Landfill (GFLEEPL).

Summary of Audits

JSA Environmental (JSA) performed fifty (50) Operational audits of Emerald Park Landfill and no Construction audits were conducted in 2020. Audits are conducted on a weekly basis with one excused for the Christmas Holiday. EPL did not have adequate staff for two audits in 2020, however in each instance an audit was conducted later in the week.

In addition to the managers that were present based on date, Scott Croft, Gas Well Technician; represented EPL during audits and signed the Audit Forms. Dan Otzelberger, current General Manager was present for audits in 2020 as well.

Audits were performed during operational hours of the facility, no audits were conducted on the weekends. Audits are recorded on “Audit Forms”, approved by the Committee and EPL. The form is reviewed by both auditor and a EPL representative at the end of each audit prior to signing by both parties. Audit observations are supported by photographs taken in conjunction with the audit. When a compliance issue is observed, it is recorded as an “Action Item” and included on a tallying list of action items for the year. In addition to the audit form, audit photographs, and action item list; a summary of the audit observations is created and included in the final deliverable document.

Coronavirus Disease identified in 2019 (COVID-19) Impacts

Starting on March 24, 2020; JSA Environmental and Advanced Disposal staff began engaging CDC guidelines and common sense. Audits were not conducted in a shared vehicle until June audits in 2020. Audit discussions were performed in person, distanced in the office or outside, or over the phone while the auditor was still on site.

To date, auditing protocols are being fully implemented when JSA is on site.

Weather Conditions

The weather conditions during the audit were recorded visually and from the weather stations near the area of the landfill. All of the weather readings were done with stations monitored by the National Oceanic and Atmospheric Administration (NOAA). EPL has installed and is operating a weather station at the site, data was not used from it for Audits.

Poor weather conditions have an impact on all landfills, EPL is no exception; daily cover is a mix of MRF seconds, foundry sands, construction/demolition wastes (C&D), site soils, tipped soils, and tarps. Extended poor weather conditions can have an affect on daily and intermediate cover. Dry weather conversely, can have an impact on gas collection and destruction.

Weather conditions aid in the identification of potential odor sources, trail paths, and travel times.

Equipment used in Landfill Operation

EPL had one compactor and two bulldozers in operation on the working face of the landfill for the majority of audits until November of 2020. The purchase of Advanced Disposal by Waste Management did not extend to Emerald Park, however Waste Management acquired the commercial waste collection. Without the commercial waste being tipped the daily tonnage dropped to approximately 1,000 tons per day; which only requires the use of a compactor and dozer to operate. year.

The site operated throughout 2020 with appropriate equipment as defined by the Plan of Operations, a compactor was used for compaction and a bulldozer to place daily cover. During periods of high soil volumes across the scale, or recovering soil previously tipped in Phases 3 & 4 Emerald Park implemented more dozers and had as many as three operating at one time.

EPL also made use of excavators and haul trucks (articulated dump truck) to excavate future expansion space and stock piles to provide intermediate cover to the active area. One water truck were available and used during dry dusty conditions. Another water truck is dedicated to leachate hauling, leachate from the Future Parkland Facility was collected in the dedicated truck and used in recirculation at Emerald Park until June of 2020.

Equipment does require maintenance and at times does fail, there were no recorded incidents of the site not having suitable equipment active to conduct operational activities. The facility has not employed a staff mechanic since 2012, all equipment repairs are done by third party or minor work by capable staff.

In cold weather, frozen conditions the site excavator is used to dig out frozen loads. In previous years the backhoe has been dedicated to this purpose.

The Emerald Park facility does not possess a street sweeper, however they have maintained a contract with a sweeping company to sweep US 45, and site roads as EPL requires. The sweeping events do not occur every week, however there were no Action Items pertaining to road conditions; though five (5) occurrences of tracking and nine (9) records of road debris; debris in the turn lanes and median are most commonly recorded. Emerald Park addresses street sweeping as far North as the intersection of US 45 and Loomis Road. In an answer to dealing with the site road conditions, especially the site entrance, the facility implemented the use of a back hoe to fill and grade pot holes with crushed stone; this condition extends back to 2017.

Working Face

EPL maintains a working face that is approximately one half (1/2) acre in size or smaller. Waste volumes dropped off in 2008 and the site volumes have fluctuated since, the volume balance of ~1,500 tons per day (TPD) supports the working face size. Weather conditions impact the working face size as well; during inclement weather the working face would be smaller. EPL operated working faces in Phases 7 North and 7 South for the receipt of MSW, special wastes, liquid loads, and C & D wastes; along with Phases 2 & 3 for the tipping of soils.

The soils, bio and landfill direct, working faces have been located on top of Phases 2 & 3 for more than ten years. The bio soil pile is in active remediation for future use on the site. Special wastes (Asbestos) and liquid loads are tipped in designated pits, within the MSW working face until filled and a new pit is established. Liquid loads were tipped predominantly into the working face in Phase 7 South from the top of slope; liquid loads receipt was terminated in June 2020.

Cover Material

The MSW working faces require the placement of daily cover. The facility employs soil and/or permitted alternative daily covers(ADC). The ADCs used at Emerald Park are auto-fluff, poly-fluff, compost, processed bio-soil, landfill direct soil, foundry sand, paper board, and tarps. Since late 2013 auto-fluff has been rarely available to the facility for ADC; in July the site started receiving auto-fluff for daily cover. For the rest of 2020 the site had stockpiled auto-fluff for ADC.

When possible C&D materials are used prior to cover to support the placement of cover and improve travel conditions within the active area. Wood chips, waste wood, unusable compost, etc are used in poor weather to improve travel upon the active area, but are not a part of cover.

The site must also maintain Intermediate cover over areas that are not in use or are not going to be in use. Intermediate cover is an additional twelve inches (12”) upon the previously placed daily cover and there is no alternative intermediate cover. Intermediate cover requirements were all met and the primary focus location for intermediate cover was the West and South slope of Phase 7.

If the site did not have soils stockpiled from previous tipping, soil would be excavated from the future cell locations West of Phase 7.

Leachate Management

EPL has the ability to recirculate leachate through a pipe system, buried in the waste, along with disposing of excess volumes through a MMSD force main. Relative leachate volumes and repairs to the leachate system were recorded through out 2020. No activities occurred to develop or maintain the current recirculation system. Emerald Park has not recirculated leachate in many years. The site does receive the leachate collected from Future Parkland's leachate tank and tipped in the liquid waste trench in the active area of EPL.

On May 21th it was discovered that the leachate levels, the height of leachate pooled on the liner of the landfill was in excess of State Statutes¹. The site management was informed by the a contractor and then EPL self reported to the WDNR. The WDNR responded with a letter of Notice of Non-compliance (NON) on May 28th., followed by a Notice of Violation (NOV). The site was not able to restore their good standing with the WDNR, the NOV was revoked on November 5, 2020.

On May 28th, a breach or seep occurred from Phase 7 South into the temp sed basin. This occurred at the elevation of the rainflap, very base of Phase 7 South's west slope. The seep was addressed immediately. The corrective action and cleanup requires draining of the temp sed basin by tanker truck and then removal of contaminated soils.

To restore the landfill leachate levels did not require the implementation of new systems or devices, the site used its existing system and 7 day/24 hour management to pump down the leachate to acceptable levels. Emerald Park also implemented tanker trucks, filter trailers, and contractors to correct the leachate volumes and clean the temp sed basin. The site did enter into discussions with the City of Muskego to improve the output of the lift station that removes the leachate from the EPL system into the public system.

Traditionally, landfills generate leachate from rainfall and the moisture already present in the waste. In design and operations the moisture content is rated at 25%, so ¼ of the tipped waste is water. There is a certain amount of evaporation that happens at the working face, but that drops off as cover is placed and is non-existent after the placement of another lift of waste. In 2011 the facility received operation approval to take liquid loads. This approval was revoked by the NOV..

In 2011 thru 2017 the site received 0.6 million gallons of liquid waste per year, respectively. In 2018 the site received 4.7 million gallons and 5.9 mg in 2019. The order of magnitude leap in liquid volumes, coupled with higher rainfalls each year, has made Emerald Park Landfill very “wet”, a high moisture content.

1 Section NR 506.07(5)(a), Wis. Adm. Code states leachate shall be removed from all collection tanks, manholes, lift stations, sumps or other structures used for leachate storage as often as necessary to allow for gravity drainage of leachate from the facility at all times or as it is produced, including hours when the landfill is closed, such as overnight and weekends.

Section NR 504.06(1)(a), Wis. Adm. Code states all major phases of landfills initially accepting municipal solid waste after July 1, 1996, shall be designed with a composite liner and a leachate collection system capable of limiting the average leachate head level on the composite liner to one foot or less during operation and after closure of the landfill.

Gas Monitoring & Management System

In 2012, EPL completed the construction of the “Gas Building”. The new facility at the site prepares the landfill gas(LFG) for distribution to MMSD via a pipeline. To make the gas usable at the target end of the pipeline, it must be cleaned, dried, and compressed. The facility removes the impurities from the LFG so that the pipeline is only carrying Methane. The construction of the facility included the relocation of the flare for destruction of the gas when the pipeline is not in use and an enclosed flare that is used to destruct contaminants.

During the majority of audits, JSA recorded that the facility was delivering gas to MMSD and the volume of gas received has been controlled and limited by MMSD restricting receipt of LFG. Halts on delivery of gas by EPL occurred during filter media changes, improvements and additions to the gas collection system, and when the gas did not meet MMSD specifications.

The facility installed new gas wells, both vertical and horizontal (trench), in three projects in 2020. The first spanning over from the end of 2019 into 2020. The first horizontal trenches that were installed in 2019 failed early in 2020 due to moisture content in the trench. Through out 2020 the site added pumps and maintained them to drain gas wells of leachate.

2019 and 2020 have had the highest incidence of odor about Emerald Park. Odors recorded off site were predominantly gas in nature and very “strong”. The site used several techniques to track gas release and identify locations that needed improvement of collection or use of sealants.

Surface Water Management

EPL maintains three drainage basins and one temporary sedimentation basin² along with several thousand feet of conveyances. Emerald Park has maintained the conveyances and basins on an as needed basis. The ditches that collect runoff from Closures I thru III are well vegetated and maintained. Basin 1 had been cleaned and a new control structure placed in 2019, completed just before 2020 began. Basin 1’s condition is important as it receives all the water pumped from the temp sed basin.

The temp sed basin was remodeled in June thru August of 2020 to restore and improve its operations after it was contaminated by a seep. The new configuration is deeper and wider with more gradual topography. A new six inch pump was added to the operation.

JSA records erosion conditions under stormwater management. As the site has under gone partial closure projects, the erosion occurrences have been reduced. The slopes of all closure areas are in good condition and without erosion. The only “open” slopes that erode are those of Phase 7 and a small portion of the South slope of Phase 6.

EPL has not met the requirements of the City of Muskego Chapter 35 Stormwater Ordinance. EPL has not submitted a Schedule of Maintenance.

Odor Control

Auditors record the presence of off site and on site odors; in 2020 there were eighteen (18) occurrences of off site odors and thirty (30) on site odors. The offsite odors were landfill gas and garbage odors. The majority of on site odors were the detection of LFG odors on the access road to the working face in Phase 7. Once the site started receiving auto-fluff, auto-fluff odors were detected off site.

2 Excavation along South and West slope of Phase 7

In addition to the odors recorded in audits, JSA Environmental recorded one hundred sixty eight (168) individual complaints³, which occurred on one hundred twenty eight (128) separate days. In 2019 the odor complaints were one hundred thirteen (113) individual complaints, which occurred on sixty five (65) separate days. 2020 by far has the worst record for odors at and about Emerald Park.

The site implemented many changes to deal with odors, new collection wells, vacuum improvements, etc. The odor issues continued into 2021.

Special Waste Handling

Waste profiles, sampling, and protocols are done off site from the EPL Facility. This item remains on the audit should a new waste be accepted.

EPL receives asbestos, soils, and liquids as special wastes. EPL ceased receiving liquid wastes as of May 28th, 2020.

Litter Control

EPL implements two types of litter fences about the active area. Stationary fences are installed at the top of slopes and at the base of slopes and where possible prior to the boundary or perimeter fences. Mobil fences are moved by bulldozer to intercept litter blown by the wind. EPL also hires litter pickers to gather litter both on and off site.

One of the impact of COVID-19 has been to reduce the available temporary labor services and the need to minimize labor active in small areas or enclosed spaces, such as a truck cab. EPL maintained two pickers for most days of operations with increases when necessary during and after wind events.

The mobile fencing was used in the active area throughout 2020. Off site litter is recorded, if present, during an audit. If the litter is present in the subsequent audit an Action Item is issued. The site employs one pickers daily and additional pickers are hired when needed. Litter in trees occasionally occurs on site and it make take several weeks for the facility to provide contractors to adequately remove the litter

Vehicle Impacts

EPL sweeps US 45 when required by road conditions. When sweeping is done, EPL sweeps as far North as the intersection of US 45 and Loomis Road to address concerns by the residents along that stretch and motorists. Emerald Park also enforces sweeping to be done by the second party excavators during back hauls and clay removals.

There were instances of debris and tracking on Highway 45 during the operational history of 2020, but no Action Items. Similarly, the roads of the facility are experiencing wear especially at the entrance. The potholes at the entrance of the facility are becoming progressively larger and harder for the operation to maintain with crushed stone.

Inspection of incoming waste

Emerald Park uses several cameras, visible to the scale operator in addition to recording manifests, to monitor both truck activities and contents. Each equipment operator on the working face is able to observe the waste components when tipped from the haul vehicles. EPL does not make use of spotters nor does it have working faces that are not monitored by EPL staff.

All Wisconsin permitted landfills are required to perform a random load inspection for every 5,000 tons of waste received; the Host Agreement requires a minimum of two Random Load Inspections

3 Complaints made by email or phone call, which were shared with JSA Environmental.

per week. The random loads inspections were routinely performed once per week throughout 2020, a minimum of two was not always conducted. In later 2020 the site was not managing 5,000 tons per week, but weekly random loads were conducted.

Rejected Loads

Rejected loads have become very infrequent; not just at Emerald Park, but also within the industry; due to improved manifests, waste screening, and overall integrated waste management. However, in 2020 the site reject a roll-off load due to tires hidden in the load. Rubber tires, of any kind, are not permitted in landfills.

Contractors Audit

In 2020 EPL engaged the services of Environmental Sampling Corp. (ESC), Mueller Excavating, Terra, New Berlin Excavating, Cornerstone, Landfill Drillers, and SweepAll to aid in the construction and maintenance at the site. The activities of all contractors were recorded during audits.

Action Items

There were Two Action Items recorded in 2020

- Leachate levels above maintenance levels - Section NR 506.07(5)(a), Wis. Adm. Code states leachate shall be removed from all collection tanks, manholes, lift stations, sumps or other structures used for leachate storage as often as necessary to allow for gravity drainage of leachate from the facility at all times or as it is produced, including hours when the landfill is closed, such as overnight and weekends.
- Leachate Seep into Temporary Sedimentation Basin - Section NR 504.06(1)(a), Wis. Adm. Code states all major phases of landfills initially accepting municipal solid waste after July 1, 1996, shall be designed with a composite liner and a leachate collection system capable of limiting the average leachate head level on the composite liner to one foot or less during operation and after closure of the landfill.

Emerald Park Landfill has not completed a Chapter 35 Stormwater Permit application or the required Stormwater Maintenance Plan

(Intentionally Blank)



**Advanced
Disposal**

January



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: 01/04/2020
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of December 29, 2019. The audit was performed at 1:58 PM on **January 3, 2020** by Jo Spear, Jr. in the presence of Micheal Hackney, General Manager.

The weather conditions were overcast skies and potential for rain, though none occurred

Landfill Operations Audit:

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

The operation required the use of one compactor, one dozer, and one excavator. The excavator was not active during the audit

A) Working Face and Location

- Working face was in the Northwest corner of Phase 7 South against the South slope of Phase 7 North
- It appears that Phase 7 North is approximately one lift taller than Phase 7 South
- Daily cover consists of mixed MRF seconds, sand, and site soils

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Site delivering 1,100 cfm of Methane to MMSD
- Flare destructing 1,200 cfm of LFG
- MMSD Controlling flow volumes
- Media change for H₂S filters completed in December, Siloxane filters to be changed at end of month

D) Surface Water Management

- Three inch snow event in previous week, snow all melted leaving site wet and thawing
- Basin thawing, plenty of freeboard
- New erosion minimal

E) Odor Control

- No odors offsite, strong gas odors on active area, but not about site

F) Liquid Loads

- Tipped in working face

G) Litter Control

- One litter picker active on site, operating Resi-drop off during audit

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Site litter minimal
- H) Vehicle Impacts
 - US 45 and Union Church clean
 - Except that both landfill entrances have heavy mud tracking, the majority generated at WMWI
 - Site roads rough and wet
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving 1,400 TPD of MSW
 - Random Load Inspection last performed 1/03/2020
 - Waste consists of MSW, C&D, and Special wastes
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - Open during audit
 - E-Waste Container present
 - Site mostly clean and low use during audit
- L) Other Comments
 - New wells, nine, drilled and constructed about landfill. One well currently added to vacuum system. All vacuum system improvements expected to be completed by January 20th, 2020.
 - Gas wells that are abandoned are being replaced by nearby well installations.
 - No new odor complaints in 2020

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 January 3, 2020
 Auditor on site at: Open Close

TIME 1:50

PREVIOUS DATE: December 16, 2019 Completed

WEATHER Overcast, possible rain

WIND 6-10 MPA
 N S W

TEMP Maximum 35 °F Minimum 26 °F B.P. 29.82

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	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 is Northwest corner of
Phase 7 South against Phase 7 North
though one lift lower.
No other working faces



Cover Material:

NRE Seconds, sandy, and on site 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			#	1
Shutdowns Since Last Audit:			#	0
Total Number of Wells	#	Under vacuum	#	
Flow to MMSD:	#	1,100	cfm	

Under construction

1,200 cfm to flare

Comments:

MMSD Gas following flows

Consistent delivery since media change
S. Oxid filter media change end of month

D. Surface Water Management:

Storm Events Since Last # 1 Est. Volume

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

5" snow cover

Site melting, basins melting, Erosion

Minimal

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Gas odors about new well

F. Liquid Loads Received:

Tipped in Phase 7 South

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:

Minimal litter about site

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 heavily tracked about both landfill entrances, majority from WMDP - site roads 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:	01/03/2020				Form	<input type="checkbox"/>
Tonnage:	1,400 TAD					

Comments:

MSW, C&D, Special

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Residential facility clean

L. Other Comments:

* New wells, NTRC, drilled and constructed. One currently connected to Vacuum. Other Vacuum systems changes to be all completed by Jun 20th weather ~~permitting~~ permitting

* No new complaints to Emerald Park
No complaints made so far in 2020

* Some well abandonment in conjunction with new wells

Auditor's Signature: _____

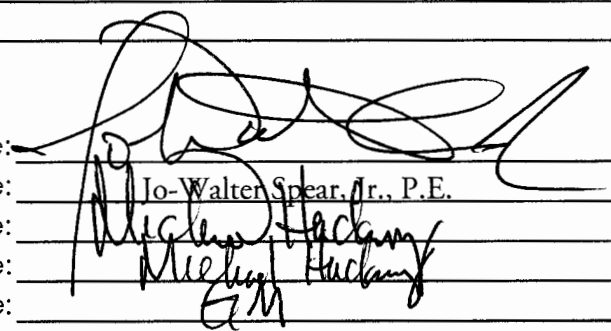
Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____



Date: 1/3/2020

Date: 1/3/20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



South slope of Phase 7 South, two new wells and well to be abandoned.





New well installed on Phase 7 South, South slope



New well, last well to drill, being installed near Southwest corner of Phase 7 South



Cason well attached to gas collection system



Phase 7 North, intermediate cover and pipe awaiting welding and use in gas collection system



Existing cason well in Phase 7 North



Active area viewed from the North



Working face in Northwest corner of Phase 7 South



New gas well on top of Phase 5

**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



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: 01/08/2020
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of January 5, 2020. The audit was performed at 9:14 AM on **January 8, 2020** by Jo Spear, Jr. in the presence of Micheal Hackney, General Manager.

The weather conditions were clear, bright and sunny; with wind gusting out of the 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, one dozer, and one excavator.

A) Working Face and Location

- Working face was in the Northwest corner of Phase 7 South against the South slope of Phase 7 North and nearly at a matching elevation
- Daily cover consists of mixed site soils and ADC

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Due to oxygen content in the LFG no delivery to MMSD
- Flare destructing 2,200 cfm of LFG
- One new well connected to system

D) Surface Water Management

- No prior events
- Site freezing, no flowing water, basins have freeboard

E) Odor Control

- Minor gas odor on US45 and 8 Mile Road.
- Odors at working face

F) Liquid Loads

- Tipped in active area, away from slope

G) Litter Control

- One litter picker active on site, active in parking lot during audit
- Litter present about active area due to gusting winds

H) Vehicle Impacts

- US 45 and Union Church clean
- Site roads rough, but clean

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving 1,400 TPD of MSW
 - Random Load Inspection last performed 1/03/2020
 - Waste consists of MSW, C&D, and Special wastes
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - Closed during audit
 - E-Waste Container present
 - Site mostly clean
- L) Other Comments
 - Contractor welding pipe for vacuum connections
 - Contractor excavating in Phase 6 South slope to find oxygen issue
 - Site employees excavating on West slope of Phase 7 South to address oxygen issue
 - Three seeps, below access road, on West slope of Phase 7 South. Will be addressed by placement of horizontal gas collection trenching by 1/20/2020

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 January 8, 2020
 Auditor on site at: Open Close

TIME 9:14 AM

PREVIOUS DATE: January 3, 2019 Completed

WEATHER Clear, bright & Sunny

WIND 0-10 Gusts
 S E

TEMP Maximum 20 °F Minimum 19 °F B.P. 29.96

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	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 Northwest corner of Phase 7 South as previous audit. Liquid wastes tipped at edge of working face



Cover Material:

Sails & ADC

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 use since last audit			
Shutdowns Since Last Audit:	# None every			
Total Number of Wells	#	Under vacuum	#	
Flow to MMSD:	Flare	#	2,200	cfm

Comments:

Vacuum changes ongoing, 1 well of 9 added to system
High O2 values preventing delivery

D. Surface Water Management:

Storm Events Since Last	#	Est. Volume
	0	

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

Site freezing again, no flowing water
Ponds have freezeboard, but no precip expected

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Minor odor on vests, very minor, odors on 8 Mile as well

F. Liquid Loads Received:

Tipped in Active area

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:
 Intermittent guests have spread litter about active area

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

US45 & Union Church clean
 Site roads, rough but clean

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	01/03/2020				Form	<input type="checkbox"/>
Tonnage:	1,400 TPD					

Comments:
 MSW, CAD, Special

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		None

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

Site clean

L. Other Comments:

* Contractor welding pipe for vacuum connections

* Contractor excavating in Phase 6 South slope to find oxygen issue

* Site labor excavating on West slope of Phase 7 South to address Oxygen issue

* Three steps below access road, on West slope of Phase 7 South will be addressed by placement of horizontal gas collection by 1/20/2020

Auditor's Signature: _____

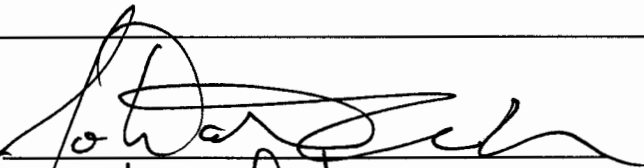
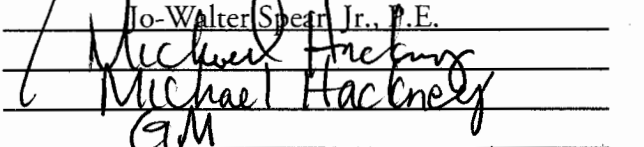
Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____


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

Michael Hackney
GM

Date: 1/8/20

Date: 1/8/20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Site employees investigating location of possible oxygen intrusion to gas collection system





12" HDPE pipe welding, ongoing, to connect gas system to wells



Contractor staging area on Phase 7 North



Working face in Northwest corner of Phase 7 South viewed from the North



Compactor working in Phase 7 South, against Phase 7 North, nearly same elevation



Existing cason well in Phase 7 North



Active area viewed from the North



Working face in Northwest corner of Phase 7 South



New gas well on top of Phase 5

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

Opened:

Updated: 01/09/2014 - Cleared

Item Number	DATE <small>month/date/year</small>	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



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: 01/17/2020
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of January 12, 2020. The audit was performed at 1:01 PM on **January 17, 2020** by Jo Spear, Jr. in the presence of Micheal Hackney, General Manager.

The weather conditions were overcast and darkening, with winds out of the Southeast. An ice and snow event is expected for the evening

Landfill Operations Audit:

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

The operation required the use of one compactor, one dozer, and one excavator.

A) Working Face and Location

- Working face was in the middle, roughly, of Phase 7 South and at an elevation similar to Phase 7 North
- Daily cover consists of mixed site soils and ADC
- Several caisson wells in Phase 7 will need to be raised prior to placement of next lift

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Site delivering half LFG to MMSD, 1,200 cfm
- Flare destructing 1,100 cfm of LFG
- MMSD controlling flow of gas

D) Surface Water Management

- Ice and snow event on 1/10 – 1/1
- Site and basins frozen, no flowing water on site

E) Odor Control

- No off site odors
- Odors at working face, typical LFG odors

F) Liquid Loads

- Tipped in active area, away from slope

G) Litter Control

- One litter picker active on site, active operating resi-drop-off area
- Litter present about active area due to gusting winds

H) Vehicle Impacts

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- US 45 heavily tracked on Northbound lane and WMWI Entrance
- Site roads rough
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving 1,500TPD of MSW
 - Random Load Inspection last performed 1/17/2020
 - Waste consists of MSW, C&D, Special wastes, and one day of soils
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - Open during audit
 - E-Waste Container present
 - Site mostly clean with boxes filling
- L) Other Comments
 - Contractor not active due to weather conditions
 - Site manager and committee members in meeting prior to audit
 - Gas system improvements
 - All vertical wells installed and connected to vacuum
 - Horizontal well construction will be completed in the coming week
 - Seeps to be repaired with installation of horizontals
 - Airline repairs ongoing

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 January 17, 2020
 Auditor on site at: Open Close

TIME 11:20 Arrived
Audit 1:01 PM

PREVIOUS DATE: January 9, 2019 Completed

WEATHER Overcast, getting cloudier, snow eminent

WIND 10-15 - Gusting
 N O E W

TEMP Maximum 28 °F Minimum 27 °F B.P. 30.72

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

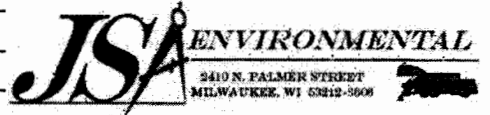
No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>-</u>							

A. Working Face Size and Location:

Working face in rough middle
of Phase 7 South nearly to
grade with Phase 7 North
Several wells in both phases will
need to be raised before
next lift



Cover Material:

MRF Records & soils

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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:	#		—			
Total Number of Wells	#	Under vacuum	#			
Flow to MMSD:	#	1,200	cfm	1,100 cfm flare		

Comments:

Shutdowns only for new connections
MMSD controlling flow

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	—
-------------------------	---	---	-------------	---

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

Ice & snow event on 1/10-1/11
Site & Basins frozen

E. Odor Control:

Odors Present:	Onsite	<input type="checkbox"/>	Offsite	<input type="checkbox"/>
----------------	--------	--------------------------	---------	--------------------------

Comments:

No offsite odors, typical LFG odors at working site

F. Liquid Loads Received:

Tipped in Active Area

G. Litter Control:

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

Comments:

Picker operating Resid 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 has heavy trucking in North bound lanes about
Waste Entrance

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"/>	#	1
Random Load Inspection Dates:					1/17/20	Form <input type="checkbox"/>
Tonnage:	1,500 TPD					

Comments:

MSW, 1 Day of soil tipping, C&D, small volume Special

J. Rejected Loads:

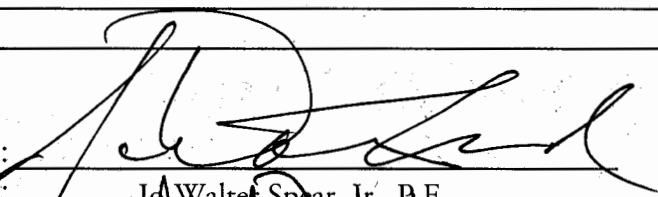
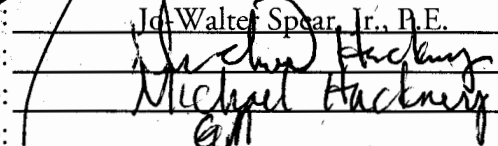
	Date/Time	Reason for Rejection
1.		None
2.		

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

Site clean = boxes filling
low volume use

L. Other Comments:

- * No odor complaints since 1/8/20
- * Site Manager & Committee members meeting prior to Audit
- * Gas System improvements
All 9 vertical wells connected
Horizontal well construction ongoing
and completion for the coming
workdays but to bad weather
- * Wirline work ongoing today to power up line pumps
- * Seeps to be repaired when horizontals put in

Auditor's Signature:  Date: 1/17/20
Auditor's Printed Name: Id. Walter Spear, Jr., P.E.
Management Signature:  Date: 1/17/20
Management Printed Name: Michael Hackney
Management Title: GM
JSA Principal Signature: _____ Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Working face viewed from the North, no good access point to take pictures during this audit





Active tipping in Phase 7 South, roughly the middle



Active area viewed from the North



Daily cover stockpile in Phase 7 South viewed from the North

**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



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: 02/04/2020
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of January 19, 2020. The audit was performed at 1:18 PM on **January 24, 2020** by Jo Spear, Jr. in the presence of Chad Seigle, Site Manager.

The weather conditions were overcast with heavy fog, some rain and limited visibility. Additional precipitation expected throughout the day/night.

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 dozer, which is a rental vehicle

The site has a Compactor, Dozer, and Excavator under repairs

A) Working Face and Location

- Working face was in the middle, roughly, of Phase 7 South and at an elevation similar to Phase 7 North
- Daily cover consists of mixed site soils and ADC
- Active area obscured by fog

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

D) Surface Water Management

- Snow and rain event this week, more rain and/or snow expected this evening and over weekend
- Site and basins frozen, no flowing water on site

E) Odor Control

- Minor odor on US 45 South of facility
- Odors at working face, typical minor LFG odors

F) Liquid Loads

- Tipped in active area, away from slope

G) Litter Control

- One litter picker active on site, operating resi-drop-off

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- No litter visible due to conditions and snow
- H) Vehicle Impacts
- US 45 gritty due to weather conditions
 - Site roads rough and potholed, especially entrance
- I) Inspection of Incoming Waste
- Site operating with three equipment operators
 - Receiving 1,200TPD of MSW
 - Random Load Inspection last performed 1/24/2020
 - Waste consists of MSW and C&D
- J) Rejected Loads
- None
- K) Residential Drop Off
- Open during audit
 - E-Waste Container present
 - Site obscured by fog, mostly clean
- L) Other Comments
- Contractor not active due to weather conditions
 - Horizontal gas extraction not yet installed due to weather conditions. To be completed by end of February
 - Seeps on West slope of Phase 7 North no longer present, self drained and healed.
 - Gas system improvements
 - Air lines run across top of Phase 7 to bypass air supply issues to Southeast corner of landfill

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 January 24, 2020

TIME 1:18

Auditor on site at: Open Close

PREVIOUS DATE: January 22, 2019 Completed

WEATHER Heavy fog, some rain, limited visibility WIND Little to none N S E W

TEMP Maximum 37 °F Minimum 33 °F B.P. 29.90

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor	<input checked="" type="checkbox"/>	<u>Milwaukee Spare</u>				
1	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	<u>Compactor</u>	<input checked="" type="checkbox"/>					
1	<u>excavator</u>	<input checked="" type="checkbox"/>					
1	<u>D6 Dozer</u>	<input checked="" type="checkbox"/>					

A. Working Face Size and Location:

Working face is middle of Phase 7 South.
Left elevation nearly equal to Phase 7 North
No other working faces.



Cover Material:

Onsite soil and mixed ADC

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:	#			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	#		cfm	

Comments:

MMSD controlling flow

All new wells connected and being brought to max vacuum over time

D. Surface Water Management:

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

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

Snow & rain event this week. More snow or rain expected over weekend. Site and basins frozen

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Minor odor on USTs
Minor gas odor in Active Area

F. Liquid Loads Received:

Tipped in these 7 South

G. Litter Control:

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

Picker operating - res. drop off
No litter visible

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 grading with weather
Site roads rough and potholed

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:	1/24/20			Form <input type="checkbox"/>
Tonnage:	1,200 TPD			

Comments:

MSW, C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Obscured by fog, mostly clear

L. Other Comments:

* Horizontal gas collector installation on hold due to weather. Awaiting contractor availability. Completion by end of February

* Weather conditions impact visibility and photos

* West slope seeps self healed

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

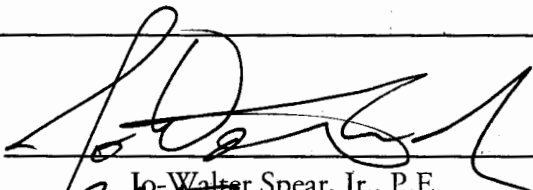
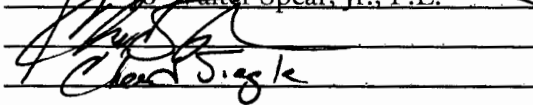
Management Title: _____

JSA Principal Signature: _____

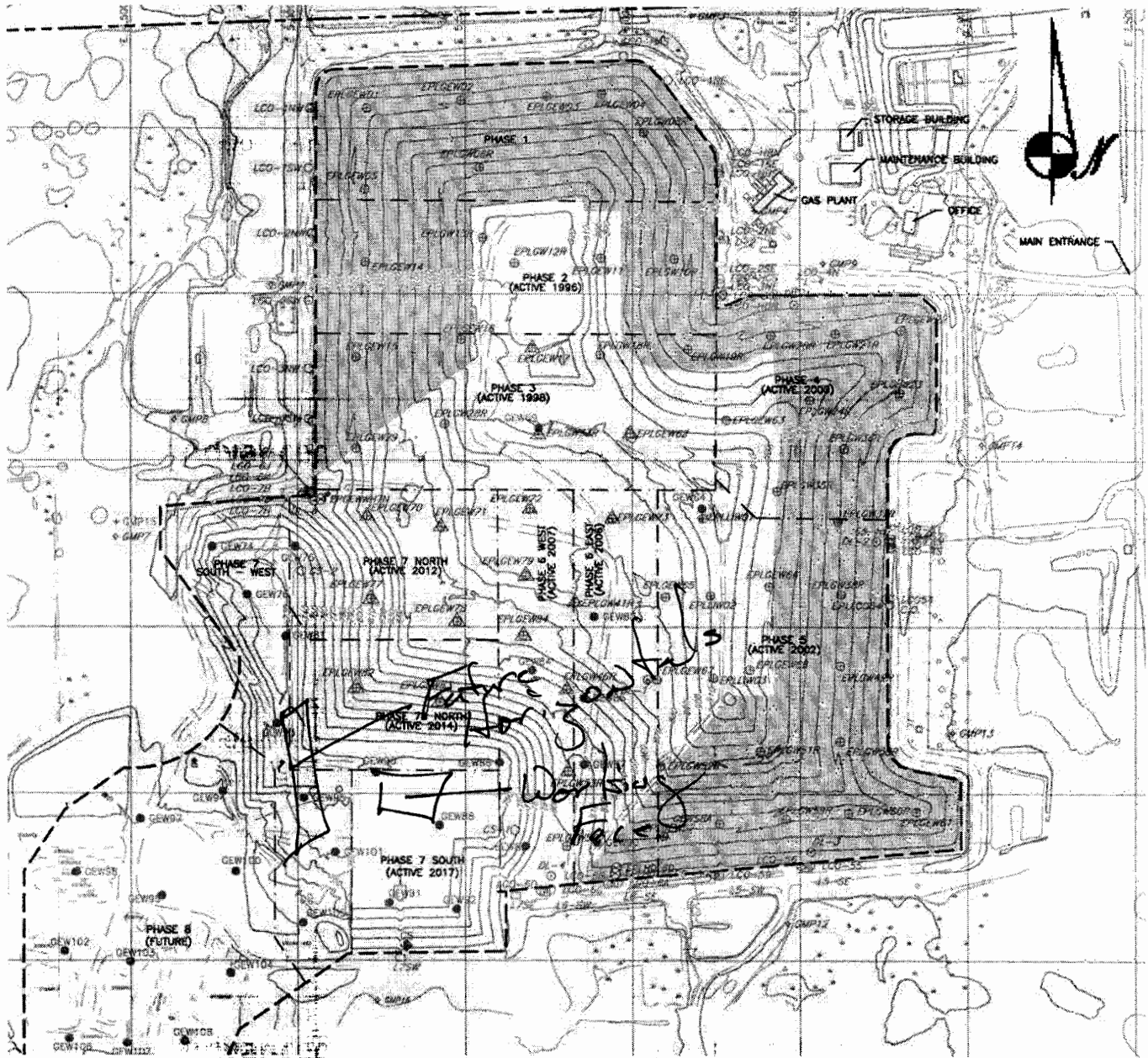
Date: _____

Date: _____

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Working face viewed from the North. Cover stockpile to left





Mixed alternative daily cover (ADC) stockpiled for future cover

Camera issues occurred this audit. Visibility too poor for good quality photos regardless

**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



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: 02/04/2020
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of January 26, 2020. The audit was performed at 12:20 PM on **January 30, 2020** by Jo Spear, Jr. in the presence of Michael Hackney, General Manager.

The weather conditions were complete cloud cover with possible flurries

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 dozer, which is a rental vehicle

The site has a Compactor and Dozer are under repairs

- A) Working Face and Location
 - Working face along Phase 6 and 7 South interface bringing Phase 7 South up to Phase 7 North grades. Next Lift will start at South end of Phase 7 South
 - Daily cover consists of mixed site soils
- 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 ~ 1,200 cfm
 - MMSD controlling flow of gas ~ 1,300 cfm
- D) Surface Water Management
 - Site snow covered
 - Site and basins frozen, no flowing water on site
- E) Odor Control
 - Odor on access road only
- F) Liquid Loads
 - Tipped in active area, away from slope
- G) Litter Control
 - One litter picker active on site
 - No litter visible due to conditions and snow
- H) Vehicle Impacts
 - Both landfill site entrances have heavy tracking
 - US 45 tracked in both lane directions

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- US 45 gritty due to weather conditions
- Site roads rough and potholed, especially entrance
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving 2,500 TPD of MSW, C&D, and Large soil project
 - Random Load Inspection last performed 1/24/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Clean site, boxes half full or empty
- L) Other Comments
 - Horizontal wells to be installed next week on West slope of Phase 7 North
 - All vertical wells are connected to system and vacuum being increased over time
 - Roll off boxes being stored on active area until excavator is available to dig out the frozen loads, to be done today
 - One caisson well in Phase 7 South raised for future waste placement

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 January 30, 2020 TIME 12:26
 Auditor on site at: Open Close

PREVIOUS DATE: January 24, 2019 Completed

WEATHER Complete cloud cover, possible flurries WIND 0-5MPH
 N S W

TEMP Maximum 31 °F Minimum 24 °F B.P. 30.21

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>2</u>	Excavator	<input checked="" type="checkbox"/>					
<u>1</u>	Dozer	<input checked="" type="checkbox"/>					

A. Working Face Size and Location:
Working face along Phase 6 & 7 South
interface bringing Phase 7 South to
grade with Phase 7 North. Next
left to start South and move North
to bio pile



Cover Material:

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	# —			
Shutdowns Since Last Audit:	# —			
Total Number of Wells	# 4	Under vacuum	#	4
Flow to MMSD:	#	— 1,200	cfm	

total 2,500 cfm

Comments:

MMSD controlling flows,

Gas volume cap ~ 300 cfm.

D. Surface Water Management:

Storm Events Since Last

2

Est. Volume

~ 2"

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

Snow events since last audit, are heavy. Site blanketed and frozen. Business frozen

E. Odor Control:

Odors Present:

Onsite Offsite

Comments:

Gas odor on access road only

F. Liquid Loads Received:

Tipped

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:

Minimal litter and snow cover controlling litter

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

Both site entrances tracked, USFS has some trucking
 Site roads rough. Entrance potholed

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	1/14/00				Form	<input type="checkbox"/>
Tonnage:	2,500 TPD					

Comments:

Large soil project coming in. New, CD, and special

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Clean boxes half full or empty

L. Other Comments:

* Horizontal wells to be installed on West slope of Phase 7 South & North next week

* Other west wells all installed and vacuum is being increased over time

* Boxes being stored on Active area until excavator is free to dig out frozen loads
To be done today

* One gaisson well in Phase 7 South raised for future waste placement

Auditor's Signature: _____

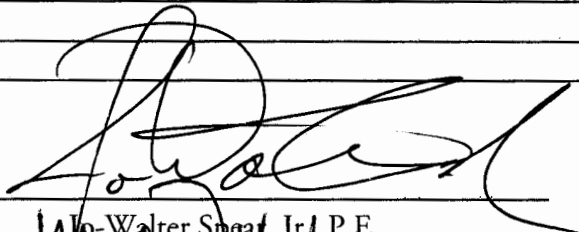
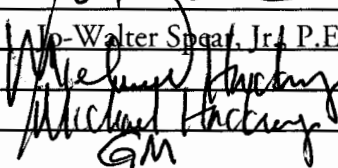
Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____


Walter Spear, Jr. P.E.

Michael Hocking
GM

Date: 1/30/20

Date: 1/30/20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Well in West slope of Phase 7 South, well actively being pumped to remove water and allow gas collection





West slope of Phase 7 South



West slope of Phase 7 South, odor area



Tipped soil being stockpiled on Phase 3 for future use



Additional alternative daily cover stockpiles



ADC stockpiled for use



Roll offs and truck with frozen loads

**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**

February



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: 02/04/2020
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of February 2, 2020. The audit was performed at 10:57 AM on **February 3, 2020** by Jo Spear, Jr. in the presence of Michael Hackney, General Manager.

The weather conditions were complete cloud cover with possible flurries

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

The site has an excavator under repairs

A) Working Face and Location

- Working face at South end of Phase 7 South, finishing off lift elevations
- Daily cover consists of mixed site soils and other 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

D) Surface Water Management

- No events since last audit
- Basins frozen, but site thawing due to warm weather

E) Odor Control

- Minor gas odor on Union Church Road
- Onsite odor on access road to Phase 7

F) Liquid Loads

- Tipped in middle of Phase 7 South

G) Litter Control

- One litter picker active on East slope of Phase 5
- Litter on site slopes due to changing wind directions

H) Vehicle Impacts

- US 45 being swept during audit, contractor employed by WMWI

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Site roads rough
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving 2,000 TPD of MSW, C&D, and Large soil project
 - Random Load Inspection last performed 1/30/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Clean site, boxes all full to overflowing
- L) Other Comments
 - No contractors active today
 - Horizontal gas extraction wells/trenches to be installed this weekend when truck traffic is at a minimum
 - Gas system dialing up as time passes to maximize vacuum at each well

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 January 30, 2020 TIME 12:26
 Auditor on site at: Open Close

PREVIOUS DATE: January 24, 2019 Completed

WEATHER Complete cloud cover, possible flurries WIND 0-5MPH
 N S W

TEMP Maximum 31 °F Minimum 24 °F B.P. 30.21

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>2</u>	Excavator	<input checked="" type="checkbox"/>					
<u>1</u>	Dozer	<input checked="" type="checkbox"/>					

A. Working Face Size and Location:
Working face along Phase 6 & 7 South
interface bringing Phase 7 South to
grade with Phase 7 North. Next
left to start South and move North
to bio pile



Cover Material:

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	# —			
Shutdowns Since Last Audit:	# —			
Total Number of Wells	# 4	Under vacuum	#	4
Flow to MMSD:	# — 1,200		cfm	

total 2,500 cfm

Comments:

MMSD controlling flows,

Gas volume cap ~ 300 cfm.

D. Surface Water Management:

Storm Events Since Last

2

Est. Volume

~ 2"

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

Snow events since last audit, are heavy. Site blanketed and frozen. Business frozen

E. Odor Control:

Odors Present:

Onsite Offsite

Comments:

Gas odor on access road only

F. Liquid Loads Received:

Tipped

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:

Minimal litter and snow cover controlling litter

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

Both site entrances tracked, USFS has some trucking
 Site roads rough. Entrance potholed

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	1/14/00				Form	<input type="checkbox"/>
Tonnage:	2,500 TPD					

Comments:

Large soil project coming in. New, CD, and special

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Clear boxes half full or empty

L. Other Comments:

* Horizontal wells to be installed on West slope of Phase 7 South & North next week

* Other west wells all installed and vacuum is being increased over time

* Boxes being stored on Active area until excavator is free to dig out frozen loads
To be done today

* One gaisson well in Phase 7 South raised for future waste placement

Auditor's Signature: _____

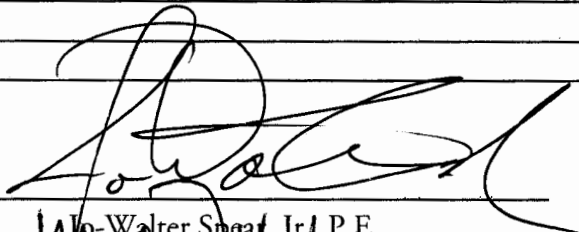
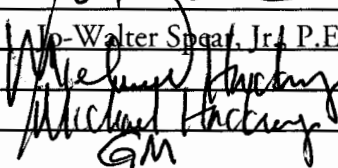
Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____


Walter Spear, Jr. P.E.

Michael Hocking
GM

Date: 1/30/20

Date: 1/30/20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Well in West slope of Phase 7 South, well actively being pumped to remove water and allow gas collection





West slope of Phase 7 South



West slope of Phase 7 South, odor area



Tipped soil being stockpiled on Phase 3 for future use



Additional alternative daily cover stockpiles



ADC stockpiled for use



Roll offs and truck with frozen loads

**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



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: 02/20020
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of February 9, 2020. The audit was performed at 11:35 AM on **February 14, 2020** by Jo Spear, Jr. in the presence of Scott Croft, Landfill Technician.

The weather conditions were clear and sunny with high 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

The site has an excavator under repairs

A) Working Face and Location

- Working face at South middle of Phase 7 South, moving Northward
 - Several dusty loads during audit and working face was kept small
- Daily cover consists of mixed site soils

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 2,400 cfm
 - Well field vacuum still under development

D) Surface Water Management

- Two snow events since last audit
- Basins frozen and site mostly snow covered

E) Odor Control

- Minor gas odor on Union Church Road
- Odors, of gas, on and offsite and working face and along US 45

F) Liquid Loads

- Tipped in working face

G) Litter Control

- One litter picker active in Resi-drop off
- Minimal litter due to snow cover

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- H) Vehicle Impacts
 - US 45 and 8 Mile clean
 - Site roads rough
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving 2,200 TPD of MSW; previous soil load on hold for today
 - Random Load Inspection last performed 2/14/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Clean site and low use during audit
- L) Other Comments
 - Only one horizontal gas extraction trench completed
 - Second trench to be installed as weather allows
 - No Management available on 2/13/2020 – odors were recorded on US 45

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 February 14, 2020

TIME 11:35

Auditor on site at: Open Close

PREVIOUS DATE: February 13, 2019 Completed

WEATHER Clear Sunny

WIND 10-20 MPA
 N S E

TEMP Maximum 14 °F Minimum 10 °F B.P. 30.53

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	<u>Excavator</u>	<input checked="" type="checkbox"/>					

A. Working Face Size and Location:

Working face roughly in South Middle of Phase 7 South
moving Northward. Dusty loads during
audit. Working face small in windy
conditions



Cover Material:

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	# <u> </u>			
Shutdowns Since Last Audit:	# <u>0</u>			
Total Number of Wells	# 80	Under vacuum	# 80	
Flow to MMSD:	# 1,200	cfm		

1,200 cfm to flare

Comments:

Wells still being developed to max possible vacuum.

D. Surface Water Management:

Storm Events Since Last # 2 Est. Volume - 14

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

Two snow events since last audit. Basins & site frozen. Snow covered

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Odors at working face of the Gas odors

F. Liquid Loads Received:

Tipped at working face

G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" 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:

Picker doing residrop off monitoring
Site snow carrying litter

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 & Union Church clean
Site roads 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:	2/14/2020			Form <input type="checkbox"/>
Tonnage:	2,200			TPD

Comments:

Msw, soil loads on hole today

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		None

K.

Residential Drop Off:	Open During Audit <input checked="" type="checkbox"/>	E-Waste Container Present <input checked="" type="checkbox"/>
-----------------------	---	---

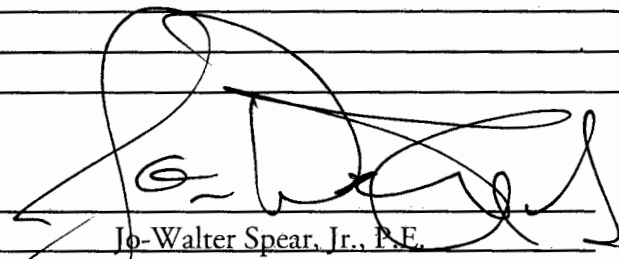
Site clean, low use during Audit

L. Other Comments:

* Only one horizontal well, trench placed. Second horizontal to be done when weather allows

* No management available on 2/13/2020 for audit. Odors on US 45 that day

Auditor's Signature:

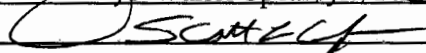


Date: 2/14/2020

Auditor's Printed Name:

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

Management Signature:



Date: 2/17/2020

Management Printed Name:

Scott Craft

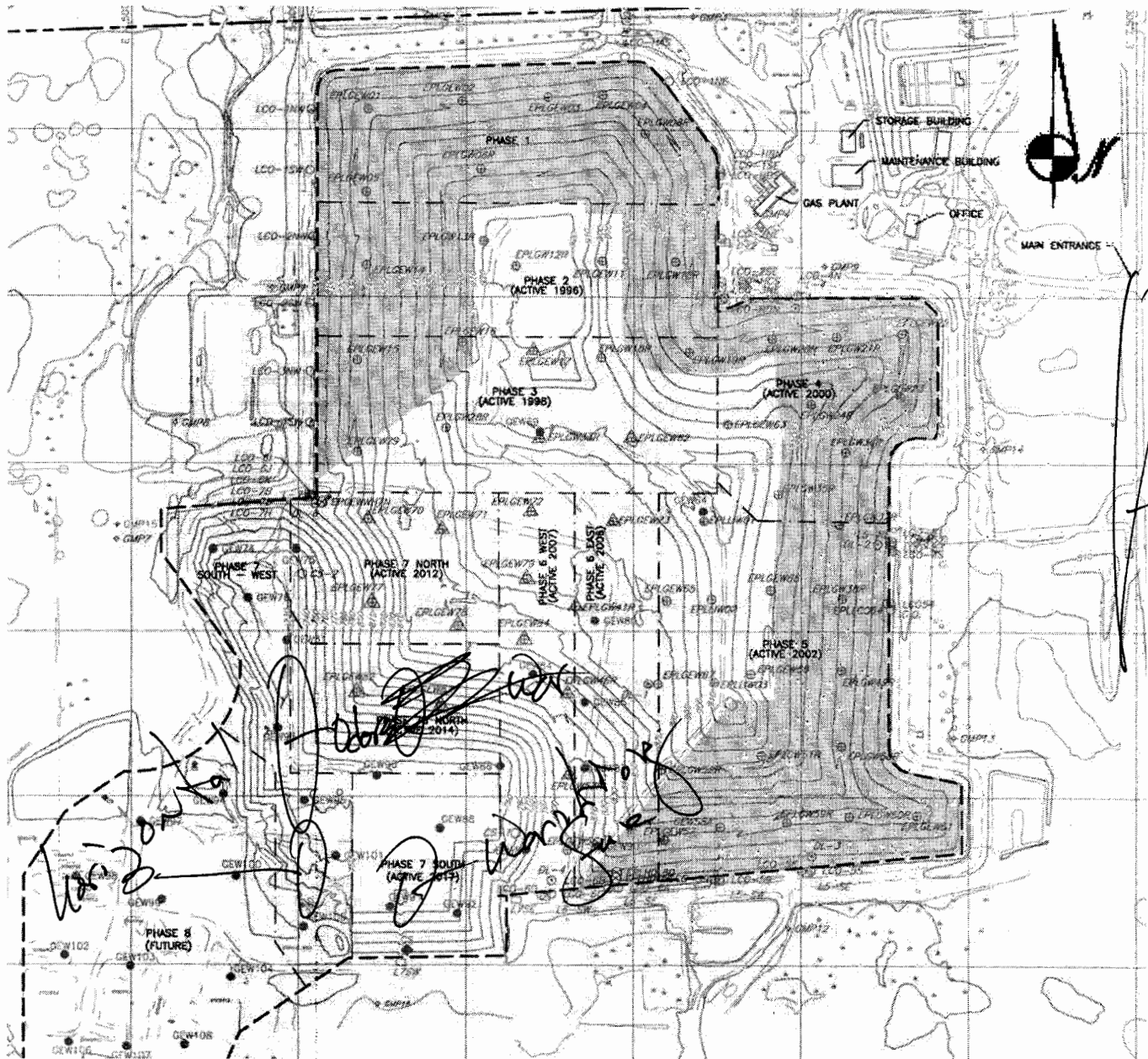
Management Title:

Landfill Tech

JSA Principal Signature:

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Fences placed to account for high winds





Working face



Working face



Compactor being cleaned out after dusty loads



Active area, well covered from previous working faces



Previous covered waste and raised well

**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



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: 02/24/2020
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of February 16, 2020. The audit was performed at 2:55 PM on **February 20, 2020** by Jo Spear, Jr. in the presence of Michael Hackney, General Manager.

The weather conditions were clear, sunny and cold

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 in Southeast corner of Phase 7 South
 - No other working faces
- Daily cover consists of mixed site soils

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 experienced consistent gas volume since last audit

D) Surface Water Management

- Two small snow events since last audit
- Basins frozen and site snow covered

E) Odor Control

- Gas odor on access road only

F) Liquid Loads

- Tipped in trench in Phase 7 South

G) Litter Control

- Minimal litter due to snow cover

H) Vehicle Impacts

- US 45 and 8 Mile clean
- Site roads clean, entrance rough

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving 2,300 TPD of MSW; expected large soil project in future
 - Random Load Inspection last performed 2/14/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Clean site and boxes being emptied during audit
- L) Other Comments
 - Only one horizontal gas extraction trench completed
 - Second trench construction started, expected completion on 2/23/2020
 - Existing seeps on West slope of Phase 7 will be addressed with trench construction

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 February 20, 2020

TIME 2:55

Auditor on site at: Open Close

PREVIOUS DATE: February 14, 2019 Completed

WEATHER Clear Sunny, very cold

WIND S-10 MPH
 N S E W

TEMP Maximum 17 °F Minimum 3 °F B.P. 30.67

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	<u>Compactor</u>						
<u>2</u>	<u>Dozer</u>						
	<u>Excavator</u>						
	<u>Haul Truck</u>						
	<u>Water Truck</u>						
	<u>Grader</u>						

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. No other working
face today



Cover Material:

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:	# 0			
Shutdowns Since Last Audit:	# 0			
Total Number of Wells	#	Under vacuum	#	
Flow to MMSD:	#	1200	cfm	

1,100 cfm to flare

Comments:

MMSD controlling flows. Consistent flows since last audit

D. Surface Water Management:

Storm Events Since Last # 2 Est. Volume 2.4

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

Two small snow events since last audit. No visible erosion. Site snow covered & frozen

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Odor on access road only

F. Liquid Loads Received:

Tipped in Phase 7 South

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 with snow cover

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 & 3 mile road clean,
Site roads clean, 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"/>	#	0
Random Load Inspection Dates:					2/14/20	Form <input type="checkbox"/>
Tonnage:	2,300					

Comments:

No soil today, but heavy project coming in. MSA

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

K.

Residential Drop Off:	Open During Audit	<input type="checkbox"/>	E-Waste Container Present	<input checked="" type="checkbox"/>
-----------------------	-------------------	--------------------------	---------------------------	-------------------------------------

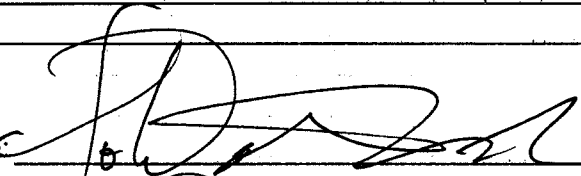
Boxes being emptied during audit. Site clean

L. Other Comments:

* Horizontal gas extraction well (trench) installation begun today. Completion expected on 2/23. Odors expected during construction and connection to gas system

* Seeps to be addressed with construction of horizontal

Auditor's Signature:

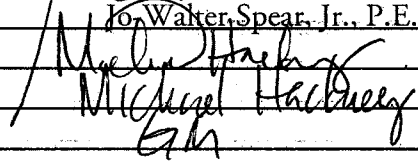


Date: 2/20/20

Auditor's Printed Name:

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

Management Signature:



Date: 2/20/20

Management Printed Name:

Michael Hickey

Management Title:

GM

JSA Principal Signature:

Date:

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Fences placed to account for high winds





Working face



Working face



Seep repair and horizontal gas extraction trench construction on West slope of Phase 7; West of access road



Active area, well covered from previous working faces



Seep repair and horizontal gas extraction trench construction on West slope of Phase 7; West of access road



Seep repair and horizontal gas extraction trench construction on West slope of Phase 7; West of access 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



**Advanced
Disposal**

March



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: 03/23/2020
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of March 1, 2020. The audit was performed at 2:45 PM on **March 5, 2020** by Anna Krajceck in the presence of Michael Hackney, General Manager.

The weather conditions were partly cloudy with sprinkled rain before the audit

Landfill Operations Audit:

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

The operation required the use of one compactor, two dozers, one excavator, and one haul truck

- A) Working Face and Location
 - Working face at South end of Phase 7 South
 - Daily cover consists of mixed site soils and foundry 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 2,300 cfm
- D) Surface Water Management
 - No events since last audit
 - Basins frozen, but site thawing due to warm weather
- E) Odor Control
 - Minor gas odor on access roads
- F) Liquid Loads
 - Tipped in middle of Phase 7 South
 - Two tanker loads of 4,300 gallon tipped during audit
- G) Litter Control
 - Six litter pickers active today
 - Some litter on HWY 45 and about entrance
- H) Vehicle Impacts
 - Some tracking on HWY 45 at both facility entrances

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



- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving 3,500 TPD of MSW, C&D, and Large soil project
 - Random Load Inspection last performed 2/28/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
- L) Other Comments
 - Backfilling of trenching for air lines and forcemain
 - Seep repairs on West slope of Phase 7

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

PROJECT NO. 1020.10030

DATE March 5, 2020
 Auditor on site at: Open Close

TIME 2:45pm

PREVIOUS DATE: February ²⁵ 2020 Completed

WSW 19mph

WEATHER Partly Cloudy, Earlier Rain Sprinkles

WIND N S E W

TEMP Maximum 48 °F Minimum 28 °F

B.P. 29.83

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	<u>Compactor</u>						
<u>2</u>	<u>Dozer</u>						
<u>1</u>	<u>Excavator</u>						
	<u>Haul Truck</u>						
	<u>Water Truck</u>						
	<u>Grader</u>						
<u>1</u>	<u>Back hoe Truck</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Soaps repairs on 7 Scott II
active face take beds



2019 Emerald Park Audit Form.pdf 1 2/26/20 1:55 PM

Cover Material:

ADC & Incurry Soils
Ferdry sand

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"/>	#	
Blowers in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Flare use since last audit			#	
Shutdowns Since Last Audit:			#	
Total Number of Wells	#	Under vacuum	#	
Flow to MMSD:	#	2300	cfm	

Comments:

D. Surface Water Management:

Storm Events Since Last # NO Est. Volume

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

still mostly frozen but warming.

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Minor on Access Roads

F. Liquid Loads Received:

2 tanker loads 4500 gal each

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"/>	Minor
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 6

Comments: Some Litter on HWY 45, Bag in entrance road.

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

HWY 45 w/ some Tracking from trucks to both sites.

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Random Load Inspection Dates:	2/28		Form	<input type="checkbox"/>
Tonnage:	3500 + Soil.			

Comments:

J. Rejected Loads: **NO**

	Date/Time	Reason for Rejection
1.		
2.		

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

Not open today

L. Other Comments:

Backfilling horizontal and repairing
seeps.

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 3/5

Date: 3/5/20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Spread cover in Phase 7 South





Phase 6 and 5



West slope of Phase 7 with completed horizontal wells and air supply



West of Phase 7



West of Phase 7



Capped slope with minor litter

**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



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

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of March 8, 2020. The audit was performed at 1:55 PM on **March 11, 2020** by Jo Spear, Jr. in the presence of Michael Hackney, General Manager.

The last audit was performed on March 5, 2020

The weather conditions were overcast with high clouds and humidity

Landfill Operations Audit:

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

The operation required the use of one compactor, one dozer, and excavator

A) Working Face and Location

- Working face at West side of Phase 7 South
- Clean soils are being stockpiled in compost area for future cap construction
- Landfill cover soils are being tipped at North end of Phase 7 North for future daily cover
- Daily cover consists of mixed site soils and MRF seconds 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

D) Surface Water Management

- Small rain event and two small snow events since last audit
- Site thawing making for muddy conditions
- Basins thawed

E) Odor Control

- Minor gas odor on US 45
- Onsite odor on access road to Phase 7

F) Liquid Loads

- Tipped in middle of Phase 7 South

G) Litter Control

- Four litter pickers active on Phase 4

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Litter on site slopes and in onsite trees
- H) Vehicle Impacts
 - US 45 has tracking from both facility entrances
 - Site roads recently patched, especially entrance, with crushed stone
- I) Inspection of Incoming Waste
 - Site operating with two equipment operators
 - Receiving 3,000 TPD of MSW, C&D, special and Large soil project
 - Random Load Inspection last performed 3/5/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Clean site, boxes half full
- L) Other Comments
 - Ste gas collection improvements completed on March 8, 2020
 - Airline and force main improvements started today, with pipe welding
 - Site conditions in Phase 7 are tight, future small working faces are expected

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

114-531-5232

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

PROJECT NO. 1020.10030

DATE March 11, 2020

TIME 1:55pm

Auditor on site at: Open Close

PREVIOUS DATE: March 5, 2020 Completed

WEATHER Overcast with high clouds high humidity 5-10 MPH
N S E W (W)

TEMP Maximum 43 °F Minimum 38 °F B.P. 30.01

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	Excavator						
	Haul Truck						
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

clean soil being stockpiled in compost
area for future cap construction
landfill cover soils being tipped at north end
of Phase 7 North for future cover
Working face at west side of Phase 7 South
for all wastes



Cover Material:

ADC MRF Section of 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				#	Continuous	
Shutdowns Since Last Audit:				#	No	
Total Number of Wells	#		Under vacuum	#		
Flow to MMSD:		#	1,200	cfm		

1,100 to flare

Comments:

Consistent volumes used delivery

MMSD controlling flows

D. Surface Water Management:

Storm Events Since Last	#	3	Est. Volume	~24
-------------------------	---	---	-------------	-----

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

Small rain event & two small snow events. Site thawing, very muddy, basins draining and fully thawed

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Minor gas odors on Access Road & USHS no odors in between

F. Liquid Loads Received:

Tipped in Phase 7 South

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"/>	#4

Comments:

Litter in onsite areas and slopes
 Pickers active in Phase 4 During 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 has trucking at both entrances
 Site roads recently graded at entrance

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:					3/5/2020	Form <input type="checkbox"/>
Tonnage:	3,000					

Comments:

ADC Soils, MSW, Special, and C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		None

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

Site clean, boxes half full

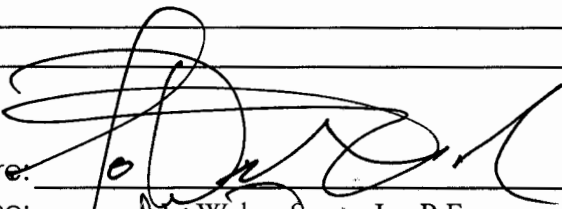
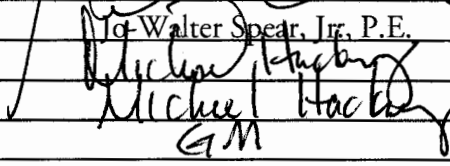
L. Other Comments:

~~* No complaints in March - JSA was mistaken~~

* Site gas improvements completed on March 8, 2020

* Airline and foremain improvements started today, contractor is welding pipe for installation

* Site conditions in Phase 7 are tight small working faces to be expected

Auditor's Signature:		Date:	3/11/2020
Auditor's Printed Name:	Walter Spear, Jr., P.E.	Date:	3/11/20
Management Signature:		Date:	3/11/20
Management Printed Name:	Michael Mackay	Date:	
Management Title:	GM	Date:	
JSA Principal Signature:		Date:	

Advanced Disposal Emerald Park Landfill Audit Map



Soil Stockpile
Clean Soil Stockpile

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

PROJECT NO. 1012.10030



West edge of Phase 7 South viewed from the North





Working face on West side of Phase 7 South



ADC stockpiled East of working face on Phase 7 South



Temp sed basin thawed and surrounding slopes/soils



West of Phase 7



Eastern edge of Phase 7 South



West edge of Phase 7 South, new well and ADC stockpile

**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



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

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of March 15, 2020. The audit was performed at 10:10 AM on **March 19, 2020** by Jo Spear, Jr. in the presence of Michael Hackney, General Manager.

The last audit was performed on March 11, 2020; an audit on March 18th could not be conducted because management was unavailable.

The weather conditions were overcast with lifting fog. Mild winds out of the Southwest

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 in middle of Phase 7 South
 - Working face surrounded by soils and MRF seconds for cover
 - Second working face for bio-soil at North end of Phase 7 North
 - Daily cover consists of seconds 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
 - Gas generation has been steady
- D) Surface Water Management
 - Snow cover gone and basins thawed
 - Basins draining
 - Erosion evident from winter months and thaw, but not severe
- E) Odor Control
 - No off site odors
 - Strong odors at trenching locations

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



- F) Liquid Loads
 - Tipped in Phase 7 South
- G) Litter Control
 - Five litter pickers active
 - Picker active on US45 during audit
 - Site litter in fences and ditches
- H) Vehicle Impacts
 - US45 and Union Church clean
 - Site roads recently patched, especially entrance, with crushed stone
 - On March 18, 2020 there was tracking from the WMWI entrance
- I) Inspection of Incoming Waste
 - Site operating with two equipment operators
 - Receiving 2,600 TPD of MSW, bio-soil, clean soil, and C&D
 - Random Load Inspection last performed 3/13/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present and nearly empty
 - Boxes empty and site clean
- L) Other Comments
 - Manager operating equipment due to only two available operators
 - Manager actively seeking equipment operator
 - Airline and force main improvements ongoing. Due to trenching odors are expected
 - Project should take approximately three weeks

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 19, 2020
 Auditor on site at: Open Close

TIME Arrive 10:10 Audit

PREVIOUS DATE: March 18, 2020 Completed

WEATHER Overcast, lifting fog WIND S-10, some gusts
 TEMP Maximum 53 °F Minimum 34 °F B.P. 30.06

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	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 middle of Phase 7 South
Working face surrounded by soil
and MRF seconds ADC for cover
Second working face for Bio Soil at
North end of Phase 7 North



Cover Material:

MRF Secours ADC

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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:			#	=		
Total Number of Wells	#	All	Under vacuum	#	All	
Flow to MMSD:	#	2,300	cfm	split half		

Comments:

MMSD controlling flows
Gas has been steady

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	2
-------------------------	---	---	-------------	---

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

Snow cover gone, basins thawing
Basins draining. Erosion evident from winter, but not severe

E. Odor Control:

Odors Present:	Onsite	<input checked="" type="checkbox"/>	Offsite	<input type="checkbox"/>
----------------	--------	-------------------------------------	---------	--------------------------

Comments:

No offsite odors detected. Strong odors at trenching

F. Liquid Loads Received:

Tipped in Phase 7 South

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 type="checkbox"/>	NO <input type="checkbox"/>	# 5

Comments:

Pickers active on US 45 during audit
 Site litter in fencing and ditches

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 road clear at 10:00 Am. Previous day had tracking at WMDX Entrance, site roads roughly patched

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	3/13/2020			Form <input type="checkbox"/>
Tonnage:	2,600 TPD			

Comments:

Bio soil, clean soil, MSW, and C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

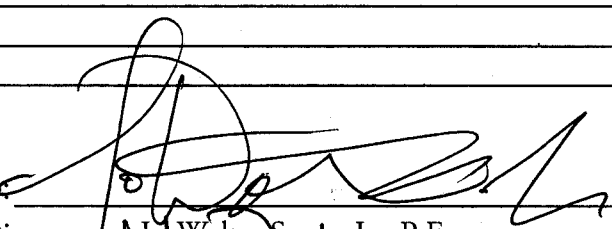
Boxes empty site clean, E-Waste nearly empty

L. Other Comments:

* Audit could not be performed on 3/18/20
due to no management ^{available} ~~present~~. Odor monitoring
on 3/18/20 found no detectable nuisance odors.

* Manager was active onsite operating
equipment.

* Force main and air line installation
ongoing site wide. Trenching in
waste required. Odors are activity
but not encountered at site.
Project should take 2-3 weeks.

Auditor's Signature: 

Auditor's Printed Name: _____

Management Signature: 

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 3/19/20

Date: 3/19/20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



Trenching

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

PROJECT NO. 1012.10030



Raised well in Phase 7 North





Overview of Phase 7 South



Overview of Phase 7 South



Overview of Phase 7 South



Overview of Phase 7 South



Working face and approach in Phase 7 South



Soils tipping at North end of Phase 7



Installation of air line and force main by trenching and backfilling along West slope of Phase 7



Installation of air line and force main by trenching and backfilling

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



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	
-------------------------	-----	-------------	--

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 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



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

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

PROJECT NO. 1020.10030

DATE March 30, 2020 TIME 1:46 PM
Auditor on site at: Open Close

PREVIOUS DATE: March 24, 2020 Completed

WEATHER Overcast and cloudy WIND 5 - 10 MPH
N S E W

TEMP Maximum 45 °F Minimum 31 °F B.P. 30.16

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 at the South end of the cell.

Discussion with manager indicated that working face was in the observed location

and that no other working faces were active



Cover Material:

ADC - sand and soils

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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	
-------------------------	-----	-------------	--

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 <input type="checkbox"/>	Offsite <input checked="" type="checkbox"/>
----------------	---------------------------------	---

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:

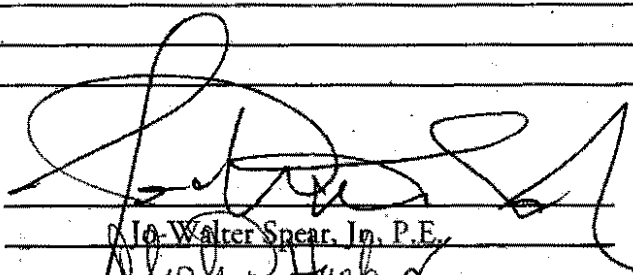
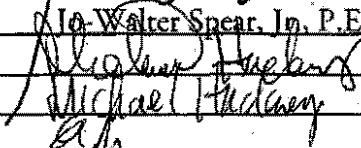
Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature:

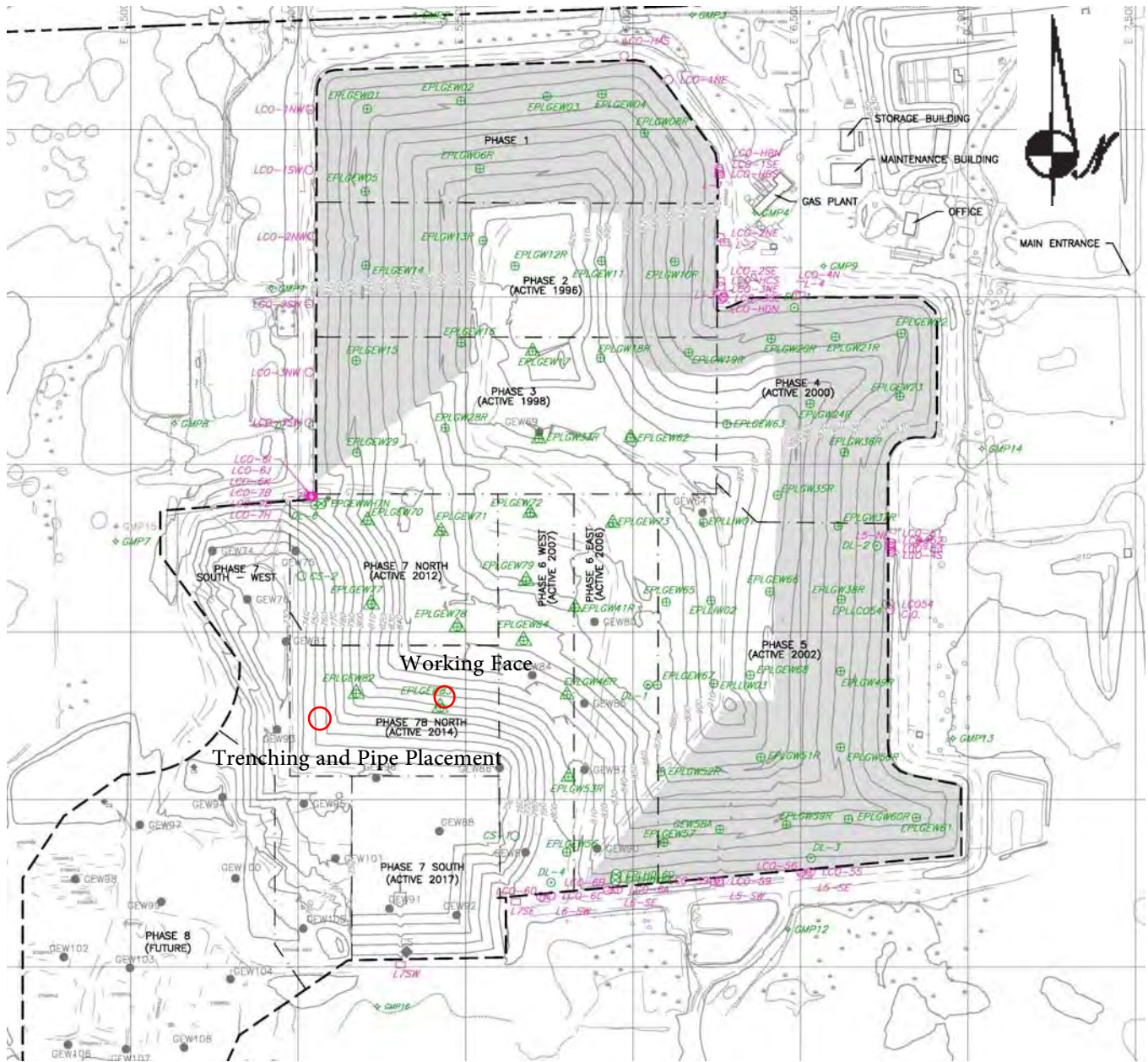

Walter Spear, Jr., P.E.

Michael Hickey
AM

Date: 3/30/20

Date: ~~3/30/20~~

Date: 4/20/20

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



**Advanced
Disposal**

April

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: 04/13/2020
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 5, 2020. The audit was performed at 12:03 PM on **April 8, 2020** by Jo Spear, Jr. Michael Hackney, General Manager was contacted by phone to discuss site conditions.

The last audit was performed on March 30, 2020

The weather conditions were overcast with some sun along with on and off rain

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
 - No other working faces in operation
 - Daily cover consists of soils being tipped during the day
- B) Leachate Management
 - Leachate being pumped to MMSD treatment
- C) Gas Monitoring and Management
 - Site delivering partial flow to MMSD, but much increased
 - Flare destructing LFG that is not being delivered to MMSD
 - MMSD controlling flow of gas
 - Total gas destruction 2,500 cfm; total gas volume increasing
- D) Surface Water Management
 - Two events since last audit, minimal rain fall
 - Basins and interior slopes not visible enough for evaluation
 - Exterior, capped slopes are in good condition with minimal erosion
 - Contractor regrading areas as trenching is completed

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



- E) Odor Control
 - Strong gas odor on Union Church Road and US45
 - Manager was not questioned about onsite odors
- F) Liquid Loads
 - Tipped in Phase 7 South
- G) Litter Control
 - Advanced is limiting picker on the site to minimize risk
 - One picker
 - Litter visible on exterior slopes, but minimal
- H) Vehicle Impacts
 - US45 and Union Church Road are clean, but the left turn lanes are heavily tracted
 - Site entrance rough and patched with crushed stone
- I) Inspection of Incoming Waste
 - Site operating with two equipment operators
 - Receiving 2,000 TPD of MSW, ADC soils, and liquid loads
 - Commercial waste streams have dropped off due to closed businesses
 - Random Load Inspection last performed 4/3/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Boxes nearly empty with one overflowing
 - Site clean
 - Tire pile appears large
 - Site manager stated that the drop off has been extremely busy
- L) Other Comments
 - Odor complaints have been on the rise since last audit
 - Both North and South of the site
 - Gas vacuum still being increased on new wells
 - Contractor finishing trenching on South slopes.
 - The remainder of the project will be over the top of Phase 7, which will be completed next week
 - Manager had no other activities ongoing or expected in the near future

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 8, 2020 TIME 2:15 PM
 Auditor on site at: Open Close

PREVIOUS DATE: March 30, 2020 Completed

WEATHER Some sun, overcast and clouds; with on and off rain WIND 5 - 15 MPH
 Ⓝ S E Ⓟ

TEMP Maximum 65 °F Minimum 35 °F B.P. 29.77

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 on top of Phase 7 South receiving all wastes including liquid loads
No other working faces on site.



Cover Material:

Soils tipped today

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"/>	#	
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Flare use since last audit	# Continuous			
Shutdowns Since Last Audit:	# None			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 2,000	cfm		

500 cfm to flare

Comments:

MMSD in control of flow, but has increased rate to 2,000 cfm

Site gas production has increased by 100 to 200 cfm

D. Surface Water Management:

Storm Events Since Last	# 2	Est. Volume	~1"
-------------------------	------------	-------------	------------

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

Site basins are not readily visible, nor are interior slopes

Exterior slopes appeared unchanged, no additional erosion

No erosion repairs being conducted, but contractor is regrading trenched areas

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Strong odors at intersection of US45 and Union Church Rd., odor along ~1/2 mile of Union Church. Auditor neglected to ask the manager regarding on site odors

F. Liquid Loads Received:

Being tipped in Phase 7 South 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 type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

Exterior slopes had visible litter from US45, but very minor
Advanced is keeping their picker count low for health safety

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

Union Church Rd. and US45 clean, but both left turn lanes are heavily tracted
Site entrance potholed and patched with crushed stone

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:	April 3, 2020			Form <input type="checkbox"/>
Tonnage:	2,000 tpd			

Comments:

Incoming waste consisted of MSW, ADC soils, and liquid loads

J. Rejected Loads:

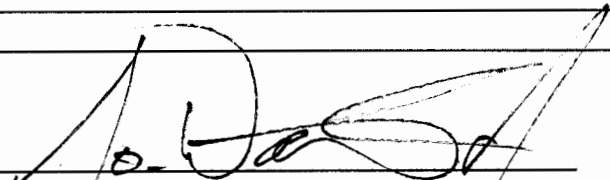
	Date/Time	Reason for Rejection
1.		None
2.		

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

Boxes nearly empty, one overflowing. Site clean with large tire piles
Manager stated that the drop off has been extremely busy when open

L. Other Comments:

- * Odor complaints have been on the rise since last audit; both North and South of the site
- * Contractor finishing trenching on South slopes during audit. Remaining project, over the top of Phase 7 to be completed by the end of next week.
- * No other projects planned at this time

Auditor's Signature:  Date: 04/08/2020

Auditor's Printed Name: Jo-Walter Spear, Jr., P.E.

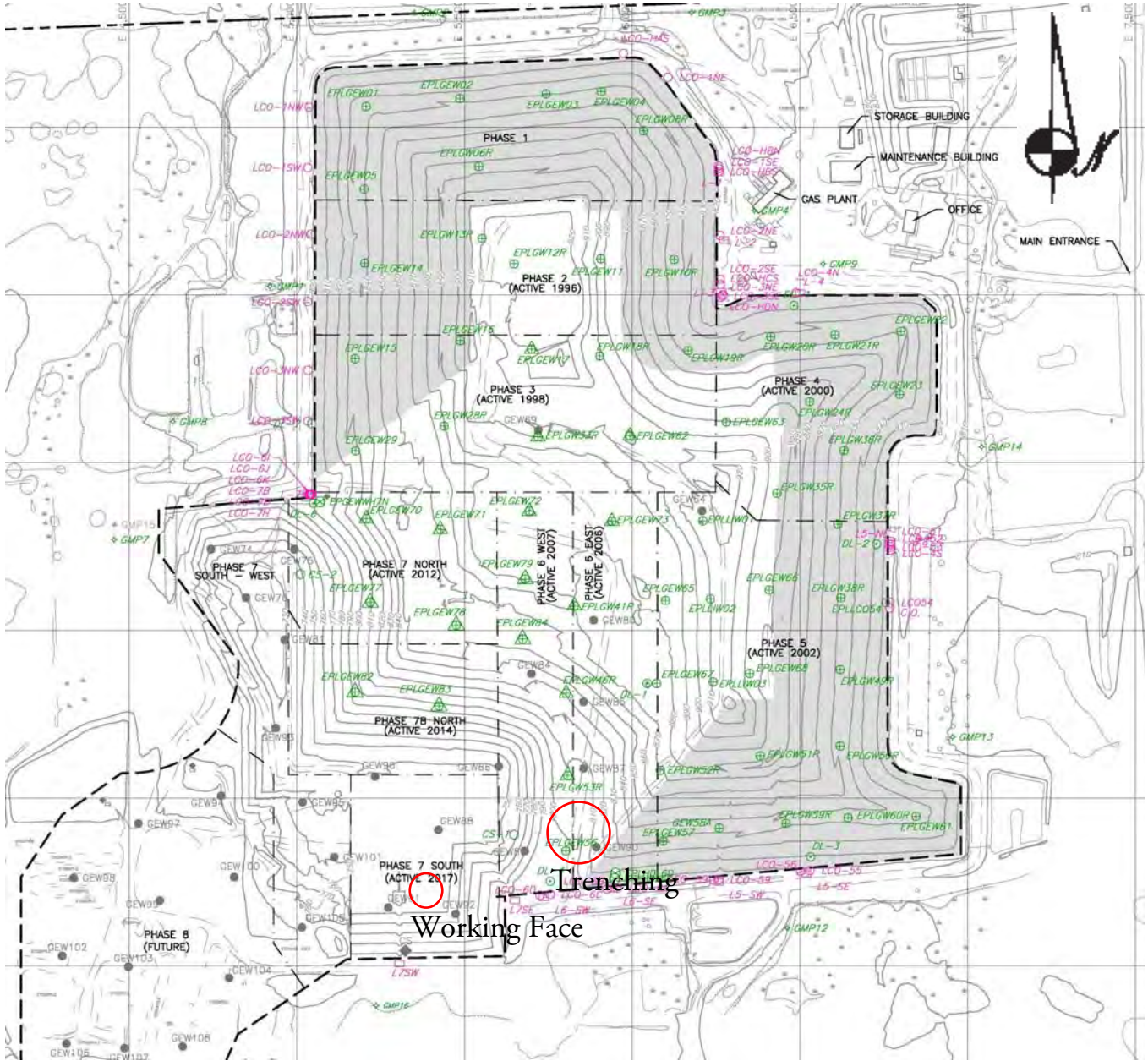
Management Signature: _____ Date: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____ Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



Odors along Union Church



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

PROJECT NO. 1012.10030



Working face viewed from Union Church Road from the South. Trenching project on South slopes blocked by trees





Working face on top of Phase 7 South



Trenching complete on West slopes



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

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: 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 12, 2020. The audit was performed at 1:40 PM on **April 16, 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 8, 2020

The weather conditions were clear, sunny, and winds out of the West

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
- No other working faces in operation
- Daily cover consists of soils being excavated by contractor

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Site delivering partial flow to MMSD, but much increased
- Flare destructing LFG that is not being delivered to MMSD
- MMSD controlling flow of gas
- Total gas destruction 2,400 cfm; total gas volume increasing

D) Surface Water Management

- One light rain/flurry event since last audit, no accumulation
- Basins are draining
- Site slope repairs ongoing where trenching occurred

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- E) Odor Control
 - No off site odors, strong odors on South perimeter road
- F) Liquid Loads
 - Tipped in Phase 7 South
- G) Litter Control
 - Advanced is limiting pickers on the site to minimize risk
 - Three pickers, well spaced about the site
 - Litter is well spread about after three days of heavy winds
- H) Vehicle Impacts
 - US45 and Union Church Road are clean, but the left turn lanes are heavily tracked
 - Site roads rough and entrance patched with crushed stone
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving 1,600 TPD of MSW and ADC soils
 - Random Load Inspection last performed 4/12/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Boxes nearly empty or half full
 - Site clean
- L) Other Comments
 - Contractor on site operating two dozers, two haul trucks, and one excavator.
 - Repairing slopes and grading areas impacted by trenching
 - Force main and airline installation project completed
 - Site manager provided site vehicle to allow auditor to travel about site. Auditor stayed to perimeter roads only and did not enter the landfill operational foot print

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 16, 2020 TIME 1:40
 Auditor on site at: Open Close

PREVIOUS DATE: April 8, 2020 Completed

WEATHER Clear, sunny, and windy WIND 10 - 20 MPH
 N S E W

TEMP Maximum 45 °F Minimum 32 °F B.P. 30.03

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Grader						
1	Front End Loader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in South end of Phase 7 South receiving all wastes
Alternative Daily Cover (ADC) Soils being received and stockpiled for
future cover placement



Cover Material:

Site soils being excavated and hauled by contractor

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	# None			
Shutdowns Since Last Audit:	# None			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 2,000	cfm		

400 cfm to flare

Comments:

MMSD increasing the volume they receive.

Gas collect volume has increased by 100 cfm as compared to March values

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	minimal
-------------------------	-----	-------------	---------

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

Snow flurry/rain event; no accumulation of snow or measurable rain fall

Basins are draining and site slope repairs ongoing where trenching occurred.

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No off site odors, strong gas odors on South perimeter road

F. Liquid Loads Received:

Tipped at 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 type="checkbox"/>	NO <input type="checkbox"/>	# 3

Comments:

Litter is well spread about the site and into tree lines due to three days of strong winds. Pickers are being kept well separated across site

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 the turn lanes on US 45 which are heavily tracked. Site roads are rough and entrance potholed

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:	April 12, 2020			Form <input type="checkbox"/>
Tonnage:	1,600 tpd			

Comments:

Site receiving MSW,

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		

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

Site clean and most boxes empty or half full

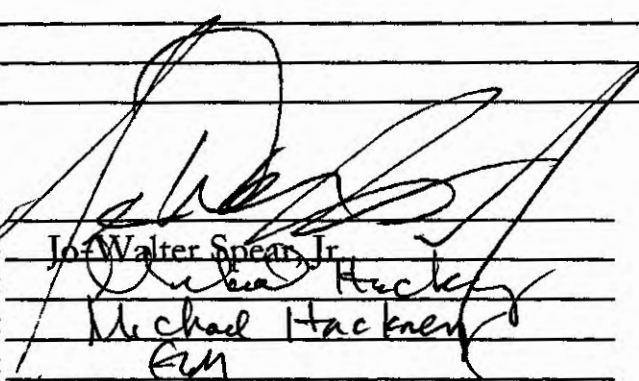
L. Other Comments:

* Contractor on site operating two dozers, two haul trucks, and one excavator; repairing slopes and grading areas impacted by the placement of new air and forcemain lines.

* Forcemain and air line installation project completed

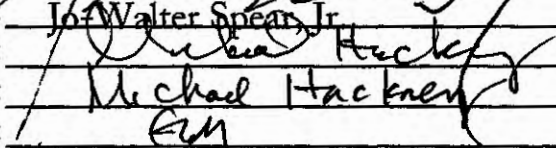
* No planned projects expected before next audit.

* Site Manager provided site vehicle to allow auditor to travel about site. Auditor stayed to perimeter roads only and did not enter the landfill operational footprint

Auditor's Signature: 

Auditor's Printed Name: Joe Walter Spear, Jr.

Date: 4/16/2020

Management Signature: 

Date: 4/22/20

Management Printed Name: Michael Hackney

Management Title: EM

JSA Principal Signature: _____

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Working face viewed from Union Church Road from the South.





Working face on top of Phase 7 South



Working face on top of Phase 7 South



Litter around basin, but still on site



Trenching complete on West slopes and slope patched



Previously placed waste, compacted and awaiting cover



Working face at top of slope



Stockpiled cover soils



Working face and cover soils at top of Phase 7 South slope



South slope of Phase 7 South, contractor repairing slope after trenching



Upper slope of Phase 5/6 South slope



East slope of Phase 5, picker active in image

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

PROJECT NO. 1012.10030



Working face viewed from Union Church Road from the South.





Working face on top of Phase 7 South



Working face on top of Phase 7 South



Litter around basin, but still on site



Trenching complete on West slopes and slope patched



Previously placed waste, compacted and awaiting cover



Working face at top of slope



Stockpiled cover soils



Working face and cover soils at top of Phase 7 South slope



South slope of Phase 7 South, contractor repairing slope after trenching



Upper slope of Phase 5/6 South slope



East slope of Phase 5, picker active in image



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: 05/19/2020
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 19, 2020. The audit was performed at 1:45 PM on **April 22, 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 16, 2020

The weather conditions were clear, sunny, and winds out of the West

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 bulldozers

A) Working Face and Location

- Working face on top of Phase 7 South, at Southeast corner, top of slope
- No other working faces in operation
- Daily cover consists of soils previously stockpile from Phase 8 excavation

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Site delivering partial flow to MMSD, but much increased
- 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

- Erosion and installation repairs finalized
- Basins have freeboard and are surrounded by water trapped litter

E) Odor Control

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- No off site odors, mild gas odor on Phase 7 access road
- F) Liquid Loads
 - Tipped in Phase 7 South
- G) Litter Control
 - Advanced is limiting pickers on the site to minimize risk
 - Three pickers, well spaced about the site
 - Litter is well spread about after three days of heavy winds
 - litter in on site trees
- H) Vehicle Impacts
 - US45 and Union Church Road are clean, but the entrance to WMWI is muddy
 - Site roads rough and entrance patched with crushed stone
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving 1,600 TPD of MSW, C&D, and special wastes
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Boxes nearly empty, truck emptying boxes during audit
 - Site clean
- L) Other Comments
 - Site internet down and has been sporadic
 - Repairing slopes and grading areas impacted by trenching
 - Three possible seeps on West slope of Phase 7, manager agrees and will address seeps

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

WMWI – METRO LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE May 13, 2020 TIME 2:05 PM
 Auditor on site at: Open Close

PREVIOUS DATE: April 29, 2020 Completed

WEATHER Sunny, clear, and dry WIND 10 - 20 mph gusting winds
 N S E W

TEMP Maximum 61 °F Minimum 50 °F B.P. 30.29

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Trailer Tipper						
2	Compactor						
1	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face near South end of Phase 2 of North Expansion West (NEW)
placing waste on fluff layer. Fluff layer is nearly completed, select waste will be
placed again next week

No other working faces



Cover Material:

Soils stockpiled from remediation of neighboring salvage yard

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Engines in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Shutdowns Since Last Audit:	# None			
Destructed Volume:	# 2,330		cfm	

Comments:

Gas volume down, but no odors

D. Surface Water Management:

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

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

Basins draining and erosion repairs ongoing

E. Odor Control:

Odors Present: Onsite Offsite Notes on odor monitoring page

Comments:

Waste odors on Oakwood Road, no other odors detected

F. Liquid Loads Recieved:

A couple loads today, low frequency delivery

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:

Litter about working face, predominantly in high fencing

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 8 Mile Road are clean. Site roads paved to entrance of North Expansion West project was completed on May 7, 2020

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:						5/9/2020
Average Tonnage:						2,400 TPD

Comments:

Site is receiving MSW, C&D, and special wastes

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

K. Residential Drop Off: Open During Audit

Site very busy, boxes to be emptied on May 14, 2020. Brush pile being trucked to Orchard Ridge landfill

L. Other Comments:

* Paving project was started and completed last week on May 7, 2020
entrance and US 45 much cleaner

* Contractor operating 3 bulldozers, 3 excavators, 8 haul trucks, and 2 earth compactors
* Berm construction along West and South of North Expansion West for future waste
elevations

* Ongoing excavation of North Expansion West Phase 2B

* Ongoing cap construction on Clearwater Pond Expansion

Auditor's Signature: _____

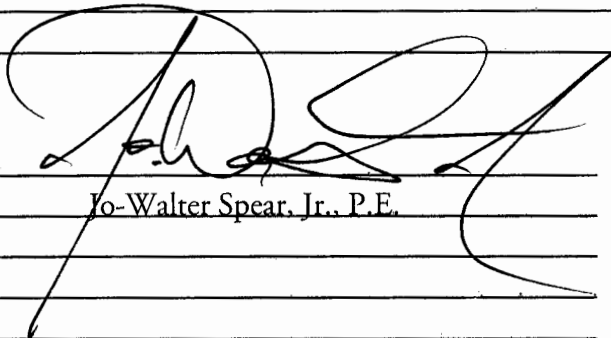
Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature _____

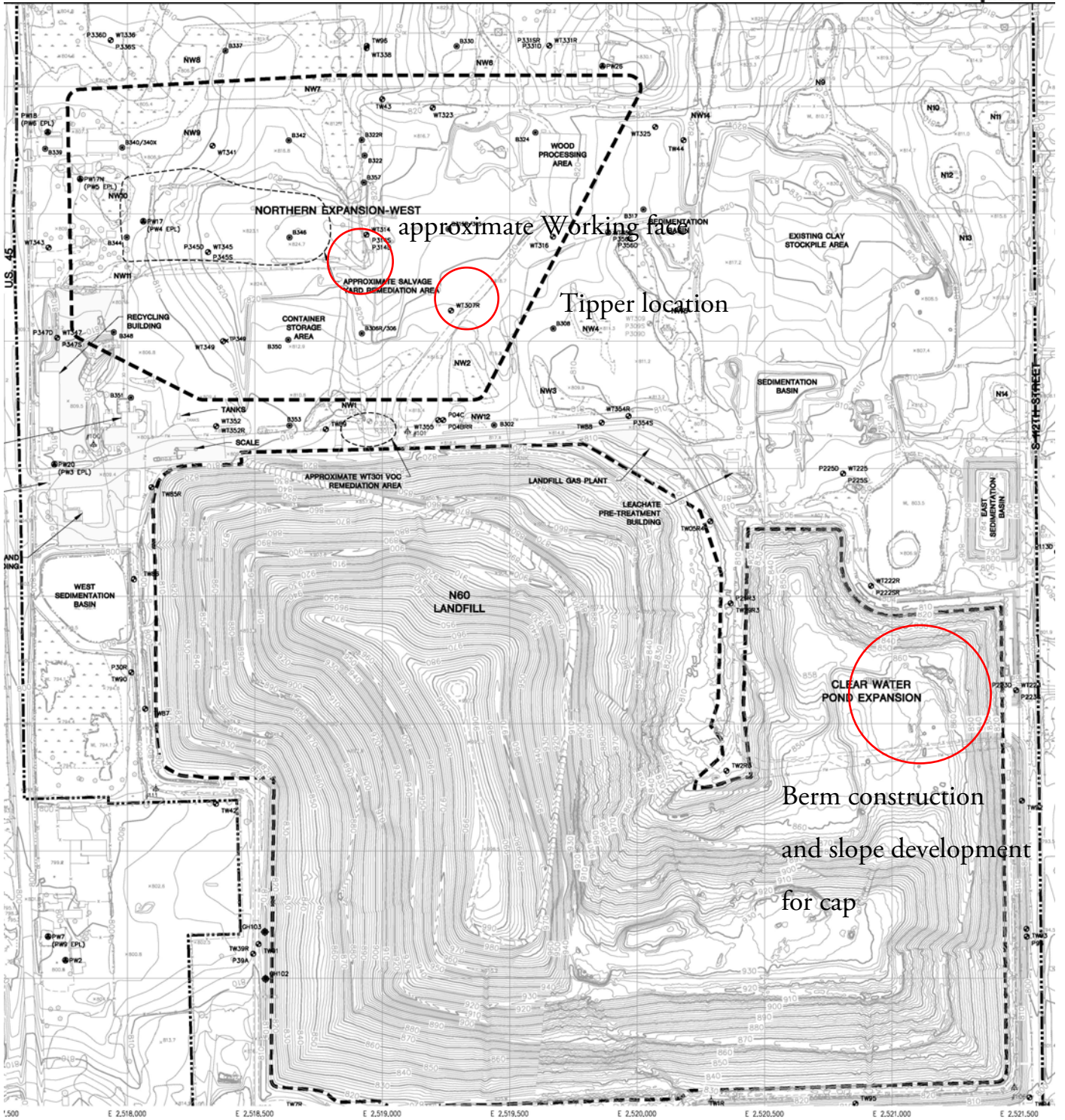


Date: 05/14/2020

Date: _____

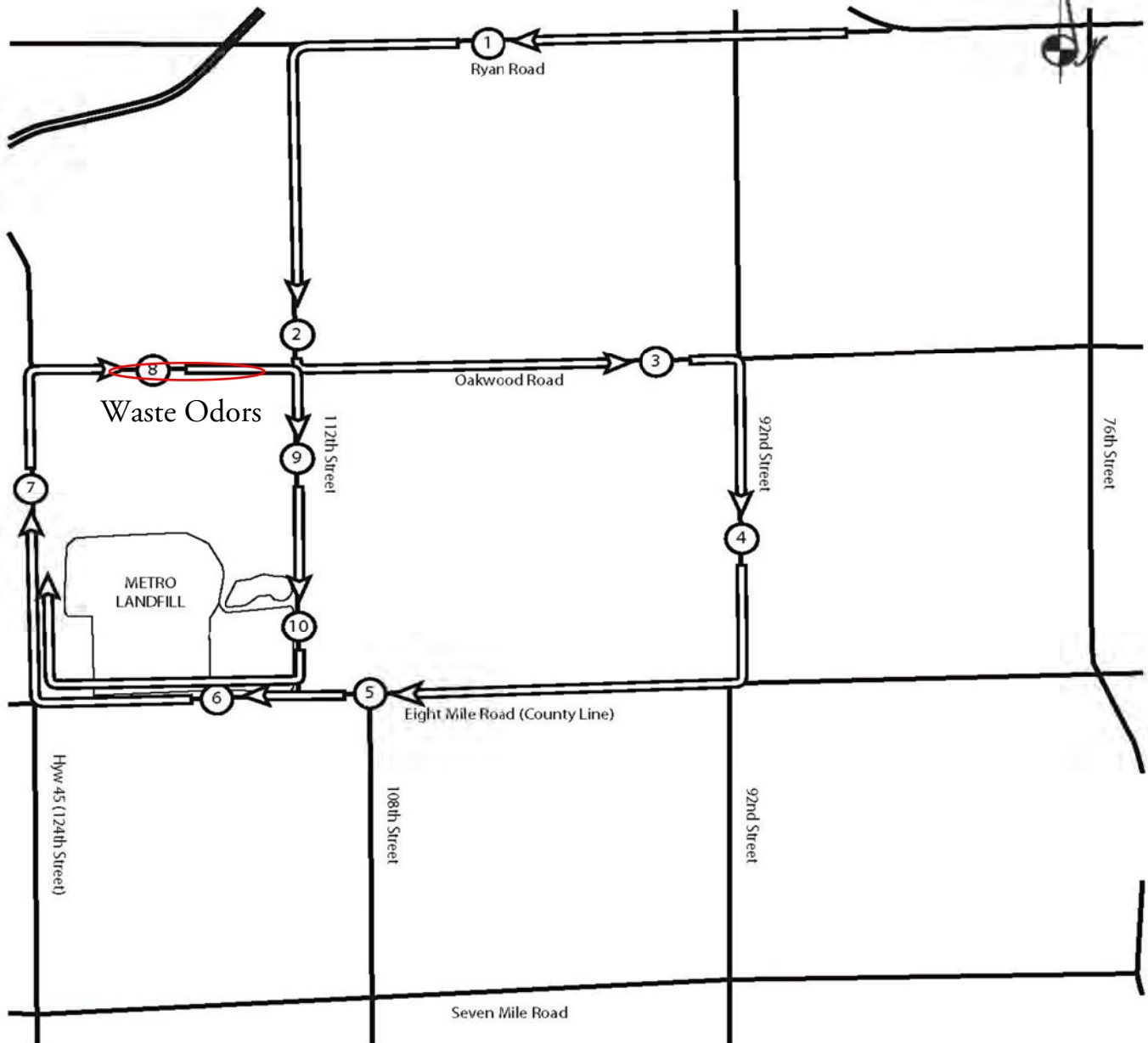
Date: _____

WMWI – METRO LANDFILL SITE MAP



WMWI - METRO LANDFILL Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



**WMWI - Metro Landfill,
AUDIT PHOTOS**

PROJECT NO. 1036.10056



Cap development for Clearwater Pond Expansion





Cap development for Clearwater Pond Expansion



Cap development for Clearwater Pond Expansion



Cap development for Clearwater Pond Expansion



Cap development for Clearwater Pond Expansion



New energy diverter installed in Clearwater Pond Expansion Cap



South section of perimeter fence in need of repair



Berm construction with excavated soils from North Expansion West (NEW),
Phase 2B



Berm construction with excavated soils from North Expansion West (NEW),
Phase 2B



Berm construction with excavated soils from North Expansion West (NEW),
Phase 2B



Berm construction with excavated soils from North Expansion West (NEW),
Phase 2B



Berm construction with excavated soils from North Expansion West (NEW),
Phase 2B



Tipper managing trailer loads



North Expansion West, (NEW), North of tipper covered with daily cover



Waste being spread into Phase 2



Tipped waste being pushed down into Phase 2



Berm construction with excavated soils from North Expansion West (NEW),
Phase 2B



North end of North Expansion West (NEW), no activities



Berm construction with excavated soils from North Expansion West (NEW),
Phase 2B



Berm construction with excavated soils from North Expansion West (NEW),
Phase 2B



Tipper at South end of North Expansion West (NEW) over junction of Phase 1
& 2



Berm construction with excavated soils from North Expansion West (NEW),
Phase 2B



Berm construction with excavated soils from North Expansion West (NEW),
Phase 2B



Berm construction with excavated soils from North Expansion West (NEW),
Phase 2B



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: _____

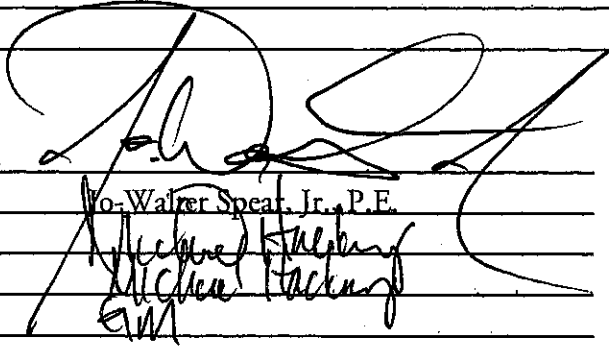
Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature _____



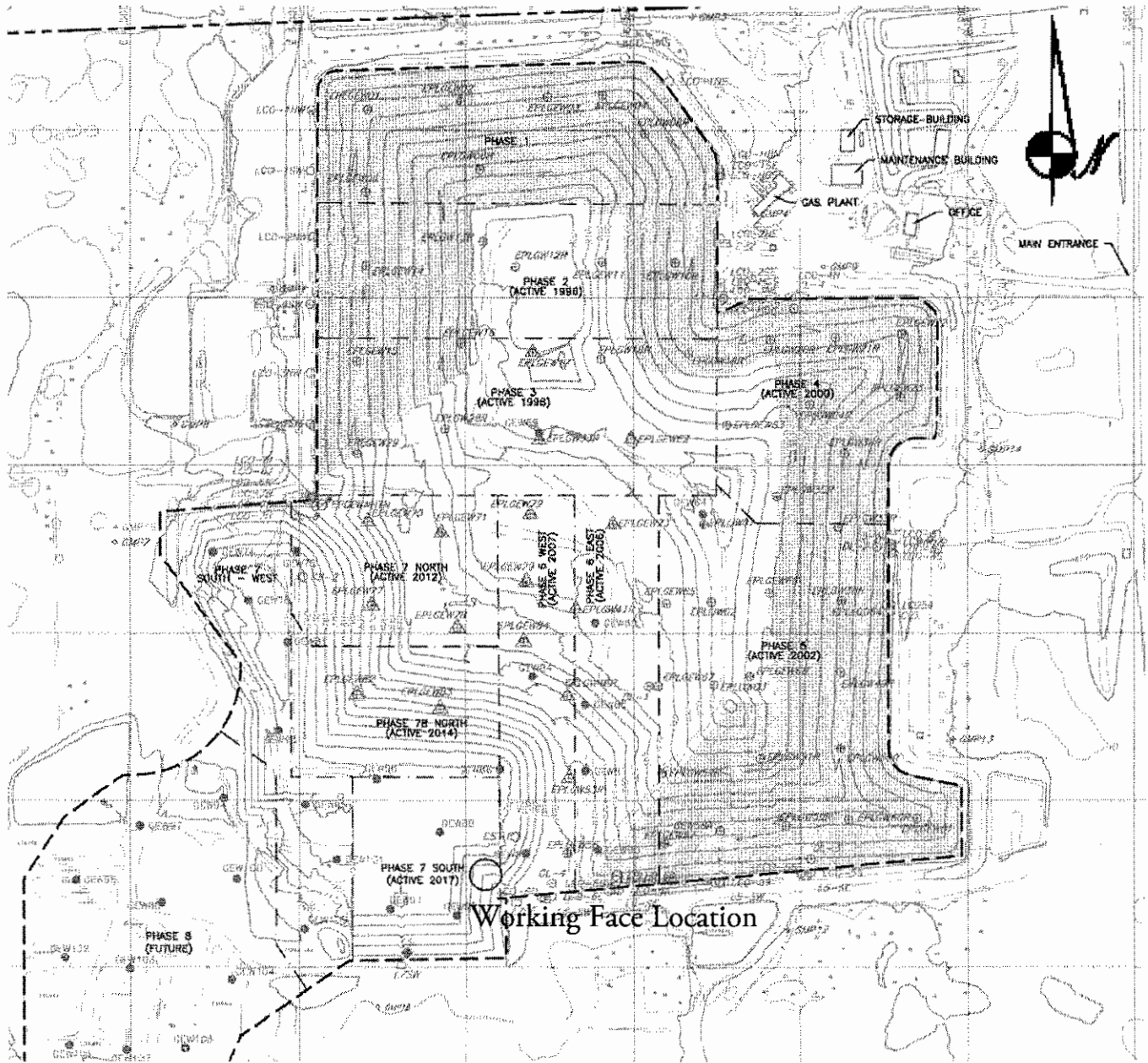
The image shows two handwritten signatures. The first signature is for the auditor, Walter Speat, Jr., P.E., and the second is for the management, Michael Hacking, E.M.

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



**Advanced
Disposal**

May



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: 05/12/2020
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 May 3, 2020. The audit was performed at 11:46 AM on **May 8, 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 29, 2020

The weather conditions were clear, sunny, and dry; it was a lovely and odor free day

Landfill Operations Audit:

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

The operation required the use of one compactor, one bulldozer, one excavator, and one haul truck

A) Working Face and Location

- Working face on West outboard slope of Phase 7 South, at the top of slope
- Liquid loads were tipped in a trench nearer to Phase 6
- Daily cover consists of site soils

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

- Site drying out since last audit, basins recovering free-board
- Temp sed basin well drained by pumping

E) Odor Control

- No odors on or off site

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- F) Liquid Loads
 - Tipped in Phase 7 South, away from Outboard slope
 - Volumes reduced by 2/3rds due to process improvements
- G) Litter Control
 - Advanced is limiting pickers on the site to minimize risk
 - Two pickers, well spaced about the site
 - Litter mostly on South slopes and basins cleared of litter since last audit
- H) Vehicle Impacts
 - Union Church Road clean
 - US45 and entrance very dusty
 - Entrance very potholed and patched with stone
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators + site manager
 - Receiving 1,700 TPD of MSW, C&D, special wastes, and small volume soils
 - Random Load Inspection last performed 5/05/2020
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Boxes almost all full
 - Citizens speeding in and out of facility
- L) Other Comments
 - Repairs to pipes at toe of Phase 7 South slope. Excavation will be back filled after repairs are completed
 - Site staff excavating future Phase 8 and using material for cover
 - Site is abandoning four gas extraction points, manager will update the Committee on the total number of extraction points (wells, vaults, etc)

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 May 8, 2020 TIME 11:46 AM
 Auditor on site at: Open Close

PREVIOUS DATE: April 29, 2020 Completed

WEATHER Clear, sunny, dry WIND W-NW 10 -25 mph
N S E W

TEMP Maximum 42 °F Minimum 26 °F B.P. 30.08

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 outboard slope of Phase 7 South, at top of slope.
Liquid loads are tipped in a trench near the boarder of Phase 6 & 7
No other working faces in operation.



Cover Material:

Site soils in use for outboard slope cover

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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:	# None			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 2,300		cfm	

Comments:

MMSD controlling flows, majority of gas going to them, remainder flared on site.

Site manager is checking total number of vacuum locations for future audits

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:

Site drying out since last audit, basins gaining freeboard.

Temp sed basin well drained by pumping

E. Odor Control:

Odors Present:	Onsite <input type="checkbox"/>	Offsite <input type="checkbox"/>
----------------	---------------------------------	----------------------------------

Comments:

There were no odors on site or off, nor complaints made on 05/08

F. Liquid Loads Received:

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

liquid loads being received and tipped East of working face to protect the outboard slope

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"/>	# 2

Comments:

Liter greatly reduced since previous audits, litter mostly on South slopes. Basins well
picked since last audit. Pickers active at opposite ends of the facility

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

Union Church Road clean, US45 and site roads very dusty and entrance to site potholed
and patched with stone.

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:	05/05/2020			Form <input type="checkbox"/>
Tonnage:	1,700 TPD			

Comments:

MSW, C&D, small volume soils, 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

Boxes mostly full, very busy and citizens driving too fast.

L. Other Comments:

* Repairs to pipes at toe of Phase 7 South slope. Excavation will be filled when repair complete.

* Site staff excavating future Phase 8 and using soil for cover on the working face

* Site has approval to remove four gas extraction points, there have been new wells already placed to compensate. One abandoned well is a gas extraction horizontal well installed in November. All wells are being abandoned due to moisture content.

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature _____

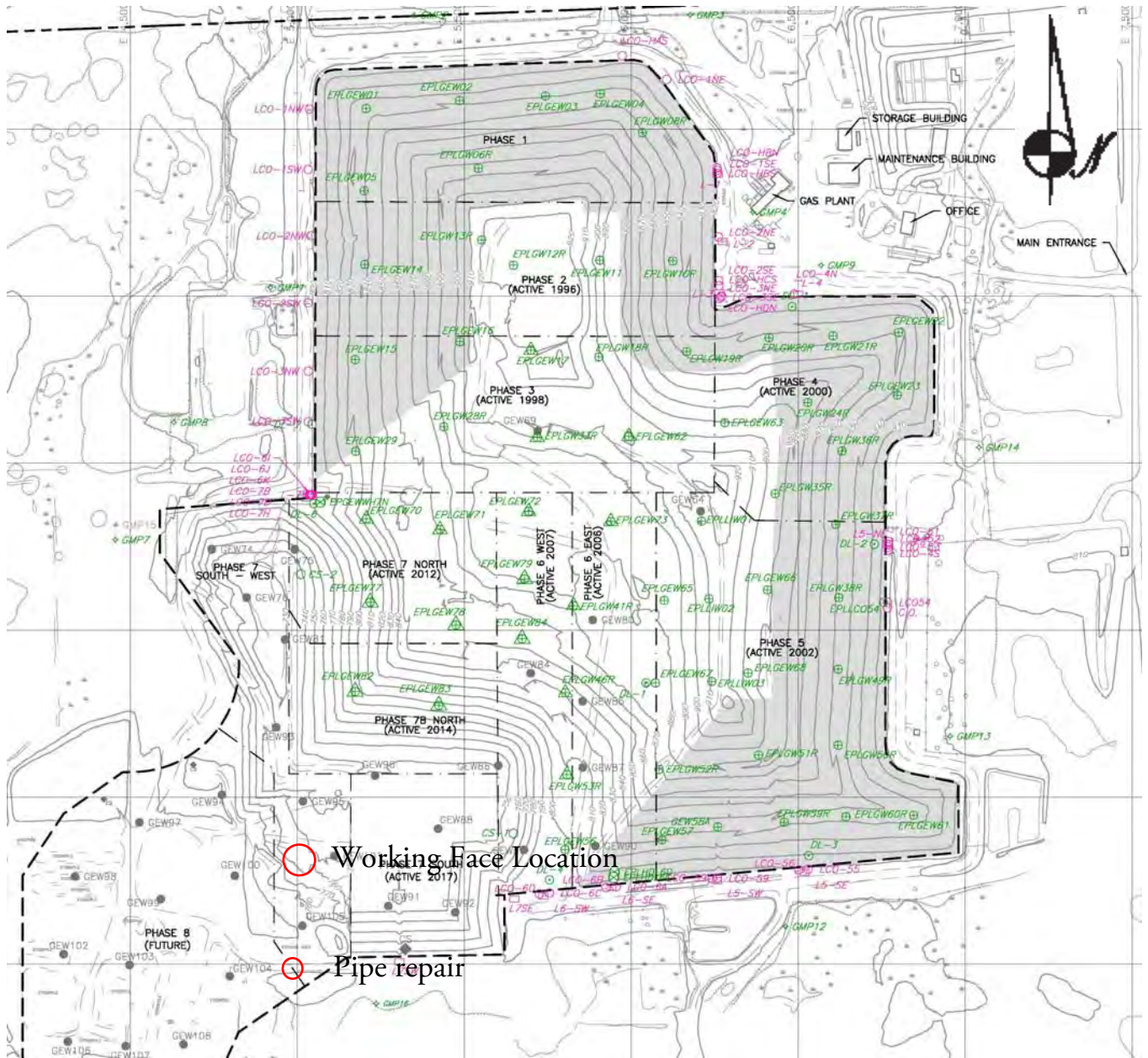
The Auditor's signature is a large, stylized cursive signature. The Management signature is a smaller, more legible cursive signature.

Date: 04/30/2020

Date: 5/1/20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Site viewed from Union Church Road





Site viewed from Union Church Road



Basin cleared of litter



West slopes restored after trenching



West slope of Phase 7 South, small seeps have appeared, self cured, and then reappeared



South slope of working face with cover stockpiled



Active working face



Phase 7 viewed from the West



South edge of footprint viewed from West



Phase 7 South, Southwest corner



Phase 7 South, West slope, small seeps evident



Phase 7 North, West slope



Phase 7 North & South, West slopes overview



West edge of landfill footprint viewed from the South



Temp. Sed Pond well pumped



Continued excavation of future Phase 8, material being used for cover on slope



Working face at top of West slope of Phase 7 South



South toe of Phase 7 slope, pipe repair to left of dozer



Dozer grading soils excavated for pipe repairs



South slope, litter trapped in grasses on capped areas

**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



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: 05/19/2020
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 May 10, 2020. The audit was performed at 1:21 PM on **May 13, 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 May 8, 2020

The weather conditions were clear, sunny, and dry, with gusting winds out of the Southwest

Landfill Operations Audit:

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

The operation required the use of one compactor, one bulldozer, two excavators, and one haul truck

A) Working Face and Location

- Working face on Southwest corner of the outboard slope of Phase 7 South, at the top of slope
- Liquid loads were tipped in a trench nearer to Phase 6
- ADC soils being tipped adjacent to working face on level slope
- Daily cover consists of site soils

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Site delivering half of flow to MMSD
- Flare destructing LFG that is not being delivered to MMSD
- MMSD controlling flow of gas
- Total gas destruction 2,300 to 2,400 cfm

D) Surface Water Management

- Site drying out since last audit, basins recovering free-board
- Temp sed basin well drained by pumping
- Site erosion minimal

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- E) Odor Control
 - No odors on or off site
- F) Liquid Loads
 - Tipped in Phase 7 South, away from Outboard slope
 - 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
 - Litter in on site trees; basins being picked during audit
- H) Vehicle Impacts
 - Union Church Road clean
 - US45 and entrance very dusty
 - Entrance very potholed and patched with stone
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators + site manager
 - Receiving 1,800 TPD of MSW, C&D, and special wastes
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Boxes being empties during audit, about half completed
 - Site clean
- L) Other Comments
 - Site manager operating excavator on West slopes to address emission exceedances by placement of cover
 - Site staff active in replacement of pumps and pump components for leachate management about 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 May 13, 2020 TIME 1:21 PM
 Auditor on site at: Open Close

PREVIOUS DATE: May 8, 2020 Completed

WEATHER Clear and dry WIND 10 - 20 mph gusting
 N E

TEMP Maximum 61 °F Minimum 50 °F B.P. 30.29

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
2	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 in Southwest corner of the outboard slope of Phase 7 South, at top of slope.
Liquid loads are tipped in a trench near the boarder of Phase 6 & 7
ADC soils are being tipped near working face for future cover



Cover Material:

Site soils in use for outboard slope cover, excavated from future Phase 8

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:	# None			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 2,300		cfm	

Comments:

MMSD controlling flows, approximately half the gas is going to MMSD

volume has been fluctuating between 2,300 and 2,400 cfm

D. Surface Water Management:

Storm Events Since Last # 1 Est. Volume minimal

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

Basins draining well, temp sed basin well drained by pumping

erosion about site minimal

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

There were no odors on site or off, nor complaints made on 05/13

F. Liquid Loads Received:

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

liquid loads being received and tipped East of working face to protect the outboard slope

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:

Litter in onsite trees, basins being picked during audit.

No offsite litter

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

Union Church Road clean, US45 and site roads very dusty and entrance to site potholed and patched with stone.

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 + site manager
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:				Form <input type="checkbox"/>
Tonnage:	1,800 TPD			

Comments:

MSW, C&D, soils, 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

Boxes being emptied during audit, about half emptied during audit.

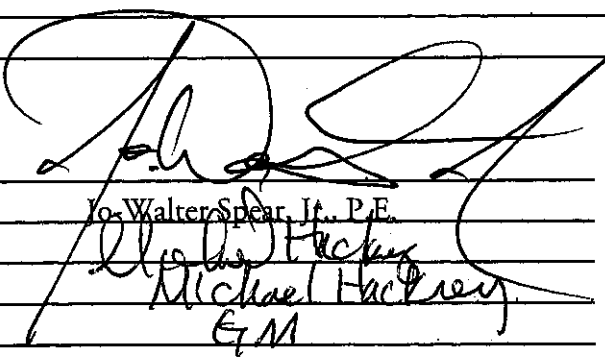
site clean

L. Other Comments:

* Site manager operating excavator on West slopes to address emission exceedances

by placement of cover

* Site staff is active in replacement of pump and pump components for leachate management about site.

Auditor's Signature: 

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature _____

Date: 05/13/2020

Date: 5/18/20

(Email)

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Site viewed from Union Church Road





Site viewed from Union Church Road



West slope of footprint



Landfill viewed from the West



Slope repairs to improve gas collection



Small seeps on West slope of Phase 7



Dozer placing cover as slope elevations are reached



Working face viewed from the West



Future Phase 8 and temp sed pond



Phase 7 North, West slope



Compactor active at Working Face

**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

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: 05/21/2020
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 May 17, 2020. The audit was performed at 1:03 PM on **May 20, 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, discussed the audit after the drive around.

The last audit was performed on May 13, 2020

The weather conditions were clear, sunny, and dry, with regular winds out of the East

Landfill Operations Audit:

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

The operation required the use of one compactor, one bulldozer, one excavator, and one haul truck

A) Working Face and Location

- Working face on West side of Phase 7 South, but East of top of slope
- Liquid loads were tipped in working face
- Daily cover consists of previously tipped ADC Soils

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Site no delivering to MMSD due to high moisture content
- Flare destructing LFG that is not being delivered to MMSD
- Total gas destruction 2,400 cfm, up slightly since last audit

D) Surface Water Management

- Site received two heavy rain events and one minor, additional rain of ~5 inches.
- Basins 2 & 3 filled to top of control structure
- New erosion on unvegetated slopes
 - Erosion into temp sed basin at South end has sediment higher than the rain flap to Phase 7 South Phase 1

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- E) Odor Control
 - No odors off site, minor odor at toe of slope of Phase 7 South
- F) Liquid Loads
 - Tipped in Phase 7 South, away from Outboard slope
- G) Litter Control
 - Advanced is limiting pickers on the site to minimize risk
 - Three pickers on East slopes during audit clearing slopes and ditches
 - Litter mostly removed from trees
- H) Vehicle Impacts
 - Union Church Road clean
 - US45 and entrance very dusty
 - Some tracking at WMWI, but greatly reduced
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving 1,800 TPD of MSW, C&D, and special wastes
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - One box full, all empty, full box was the metals box
 - Site clean
- L) Other Comments
 - Emission testing repairs completed 3 out of 7 emission sites. Compares will continue when slopes are dry
 - Auditor will have leachate discussion after review the RD&D permit
 - Site manager believes odors are coupled with leachate volume

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 May 20, 2020
 Auditor on site at: Open Close

TIME 1:03 PM

PREVIOUS DATE: May 13, 2020 Completed

S-15MPA
Near Straight North of East

WEATHER Clear, Sunny, high clouds

WIND N S E W

TEMP Maximum 64 °F Minimum 49 °F B.P. 30.18

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
1	off road particle						

A. Working Face Size and Location:

Working face on West side of Phase 7
South, away from out board
slope
Excavator tipped ADC Sals



Cover Material:

ADC soils previously tipped

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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:			#	No deliveries		
Total Number of Wells	#	Under vacuum		#		
Flow to MMSD:	#	2,400	cfm			

Comments:

No deliveries, destruction on site
Moisture too high

D. Surface Water Management:

Storm Events Since Last	#	3	Est. Volume	~44
-------------------------	---	---	-------------	-----

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

Two large rain events on 5/17 & 18
Ponds 2 & 3 at top of control structure
still have freeboard. Some erosion

E. Odor Control:

Odors Present:	Onsite	<input type="checkbox"/>	Offsite	<input type="checkbox"/>
----------------	--------	--------------------------	---------	--------------------------

Comments:

No odor offsite, minor odor at toe of slope

F. Liquid Loads Received:

Tipped in Phase 7 South

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:
 Pickers active in East ditch line
 during audit. Litter removed from trees

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

US45 Dusty but clear. Some tracking
 at WNW

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	6/13/2020				Form	<input type="checkbox"/>
Tonnage:	1,800 TAD					

Comments:
 New, C&D, and special

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

One box full, metals box, site clean.

L. Other Comments:

* Emission testing repairs, patched three of the seven sites. Will continue repairs when ^{dry}

* Leachate volumes, Leachate discussion on liner head ~~exceeded~~ to continue in future audits.

* Odors linked to moisture in waste mass.

Auditor's Signature: _____

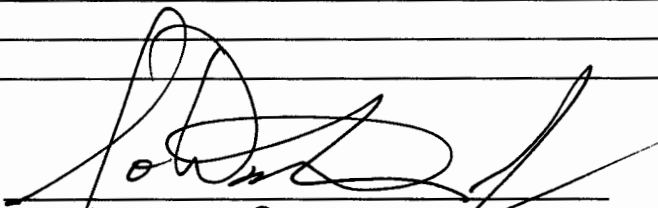
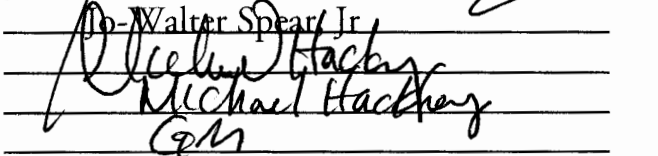
Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

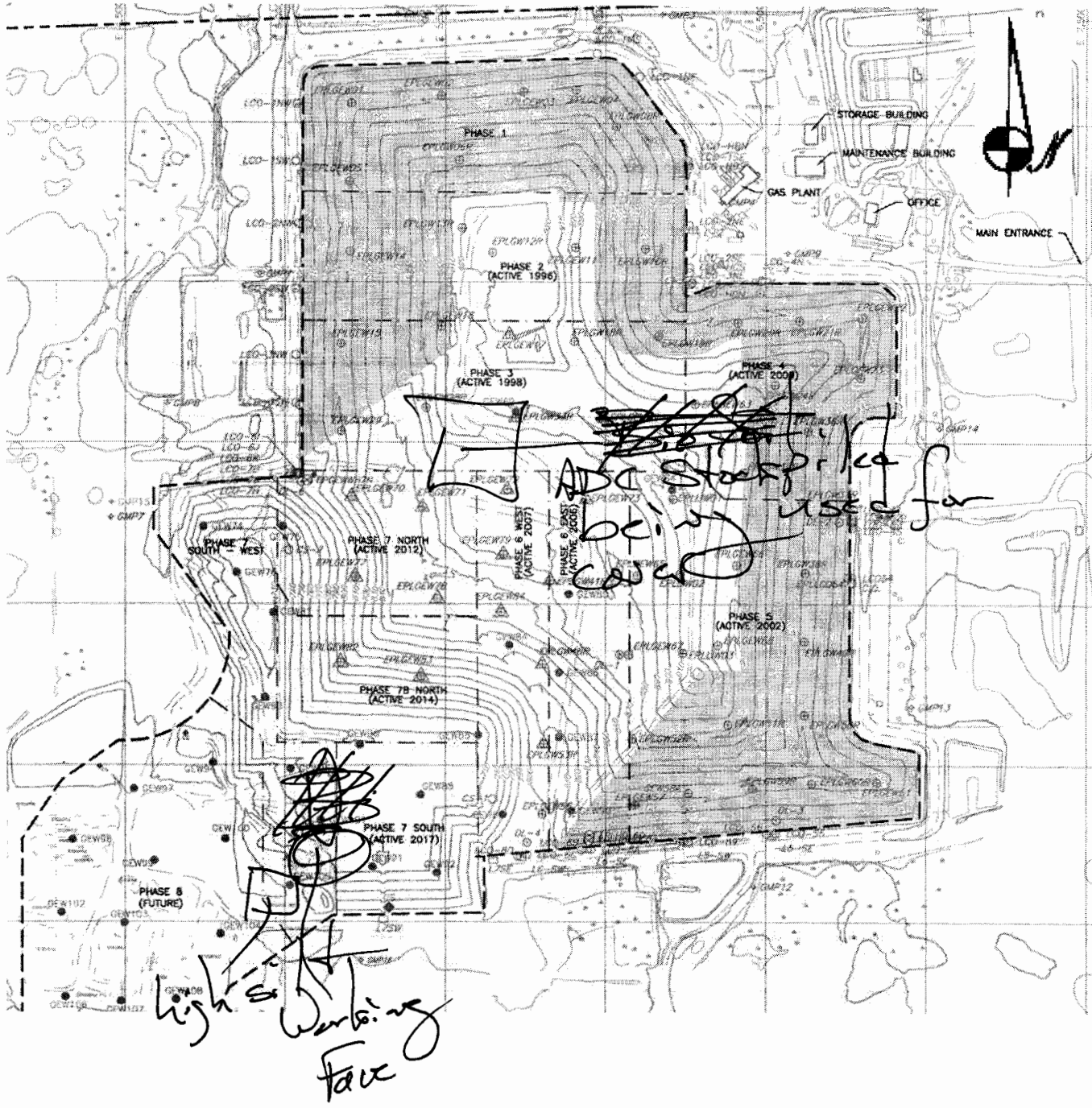

Walter Spear, Jr.

Michael Hackney
GM

Date: 5/20/2020

Date: 5/20/20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Site viewed from Union Church Road, trucks very active





Site viewed from Union Church Road



West slope of Phase 7 North



Landfill viewed from the West



Overview of West slopes



Small seep on Phase 7 South West slope



South slope of Phase 7 South, viewed from West



Temp sed basin, well pumped down



Temp sed basin, North end against Phase 7 North



South portion of Temp Sed Basin, adjacent to Phase 7 South



South slope with some erosion after two days of storms



Siltation in South end of the Temp Sed basin, silt is higher than rain flap of Phase 7 South



South slope with some erosion after two days of storms

**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



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: 06/03/2020
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 May 24, 2020. The audit was performed at 10:30 AM on **May 28, 2020** by Jo Spear, Jr. ADS EPLI provided a vehicle to allow the auditor to travel about the site to make observations. Tim Curry, Region Landfill Operations Manager, reviewed and signed the audit.

The last audit was performed on May 20, 2020

The weather conditions were rainy with some sun

Landfill Operations Audit:

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

The operation required the use of one compactor, one bulldozer, one excavator, and one haul truck

A) Working Face and Location

- Working face on West side of Phase 7 South, but East of top of slope; roughly in Southwest corner of Phase
- No liquid loads being accepted
- Daily cover consists of previously tipped ADC Soils

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- Site not delivering to MMSD due to high moisture content
- Flare destructing LFG that is not being delivered to MMSD
- Total gas destruction 2,400 cfm

D) Surface Water Management

- Basins draining well, temp sed basin well drained by pumping
- Erosion about site minimal
 - Erosion into temp sed basin at South end has sediment higher than the rain flap to Phase 7 South Phase 1. To be addressed as weather/wet conditions allow.

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- E) Odor Control
 - No odors on site, but sewer gas odors on US 45 and in the Metro parking lot
- 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
 - Litter mostly removed from trees
- H) Vehicle Impacts
 - Union Church Road clean
 - US45 and site roads very dusty
 - Entrance potholed and patched with stone
 - Some tracking at WMWI, but greatly reduced
- I) Inspection of Incoming Waste
 - Site operating with four equipment operators
 - Receiving NA TPD of MSW, C&D, and special wastes
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Site clean and boxes mostly empty
- L) Other Comments
 - General Manager no longer affiliated with Advanced on 5/29/2020. Action items will be included in next audit.
 - Audit discussion and review performed by Regional Manager.
 - Temporary manager to begin on 6/1/2020
 - Site activities for addressing emissions ongoing on West slope of Phase 7 South
 - Soils being staged at toe of slope, West slope of Phase 7 South for future erosion restoration

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 May 28, 2020 TIME 10:30 AM
 Auditor on site at: Open Close

PREVIOUS DATE: May 13, 2020 Completed

Mostly out of the West

WEATHER Rainy with some sun WIND N E W

TEMP Maximum 77 °F Minimum 55 °F B.P. 29.88

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
1	Excavator						
2	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 top of Phase 7 South, in Southwest corner.

No liquids being tipped



Cover Material:

Soils stockpiled from previous tipping days and site 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	# Continuous			
Shutdowns Since Last Audit:	# 1			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 2,400		cfm	

Comments:

No delivery to MMSD, all destruction through flare.

D. Surface Water Management:

Storm Events Since Last # 1 Est. Volume minimal

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

Basins draining well, temp sed basin well drained by pumping

erosion about site minimal

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No on site odors, but severe gas odor on US 45 and in Parking lot of Metro

F. Liquid Loads Received:

Site not taking liquid loads due to leachate elevations on liner.

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"/>	#

Comments:

Litter in trees reduced, site litter well controlled

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

Union Church Road clean, US45 and site roads very dusty and entrance to site potholed and patched with stone.

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:						Form	<input type="checkbox"/>
Tonnage:							

site manager

Comments:

MSW, C&D, soils, 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 clean and boxes mostly empty

L. Other Comments:

* Site Manager was removed on 5/29/2020. Action items will be added on next audit

and portions of this audit were impacted by no contact with the ex-manager

* Site activities for addressing Emissions ongoing on West slope of Phase 7 South*

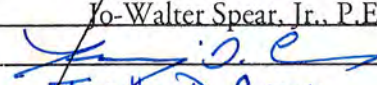
* Soils being staged at toe of slope, West slope of Phase 7 South for future erosion restorations.

Auditor's Signature: 

Auditor's Printed Name: _____

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

Date: 06/03/2020

Management Signature: 

Management Printed Name: _____

Timothy D. Curry

Date: 6/3/20

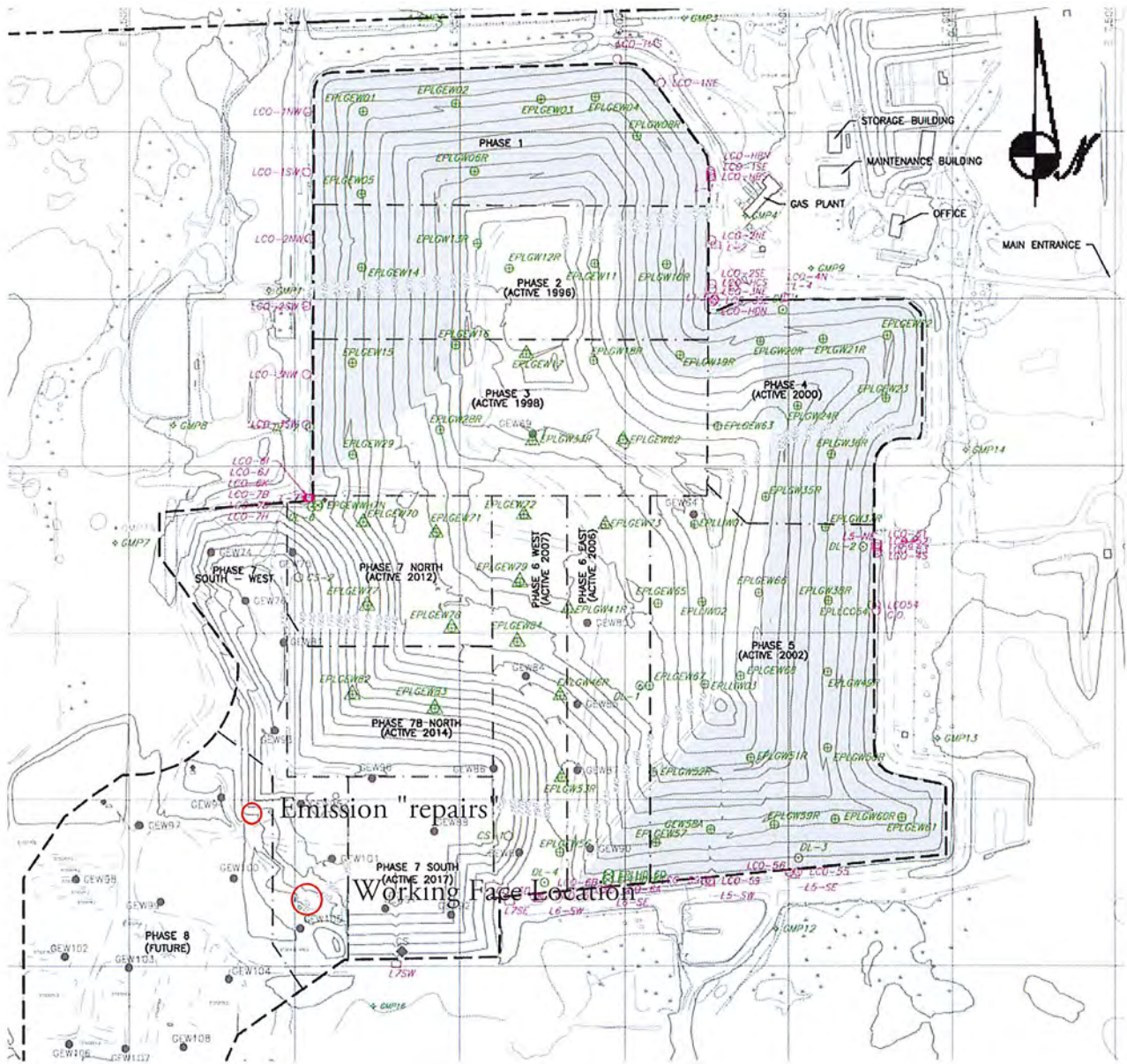
Management Title: _____

Region Landfill Operations Manager.

JSA Principal Signature _____

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



1. Temp sed basin forebay





2. West slope of Phase 7 South, seep repairs by placement of soil cover



3. Working face at Southwest corner of Phase 7 South, East of top of slope



4. Southwest corner of Phase 7 South



5. Soil stockpile to add to cover for seeps or emissions



6. Excavator performing slope repairs for Emissions and/or seeps



7. Excavation of future Phase 8, soil being used in the back ground at South end of Temp Sed Basin



8. Temp Sed Basin Forebay, some cleaning appears to have been done for silt

**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**

June



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: 06/08/2020
PROJECT NUMBER: 1012.10030

Due to the COVID-19 pandemic, JSA Environmental and Advanced Disposal are engaging CDC guidelines and common sense. This audit was the first to be conducted with the temporary site manager and auditor in a shared vehicle.

On May 29, 2020 Mike Hackney was removed from the roll of General Manger and is no longer an employee of Advanced Disposal. During the transition of site ownership and the search for a new General Manger, Jake Margelofsky will be acting as site manager at Emerald Park.

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of May 31, 2020. The audit was performed at 12:38 PM on **June 5, 2020** by Jo Spear, Jr.; in the presence of Jake Margelofsky; the temporary Site Manager.

The last audit was performed on May 28, 2020

The weather conditions were sunny with low clouds and potential rain, winds out of the West

Landfill Operations Audit:

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

The operation required the use of one compactor, two bulldozers, one excavator, and two haul trucks

A) Working Face and Location

- Working face in Northwest corner of Phase 7 South, right in the bend of the access road at the top of slope
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- Site receiving soils, being stockpiled adjacent to working face for use as daily cover

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels

C) Gas Monitoring and Management

- Gas plant operation and delivery intermittent with gas field repairs on West slope of Phase 7 North

D) Surface Water Management

- Basins draining well, erosion and seeps being repaired on West slope of Phase 7

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Erosion about site minimal
 - Erosion into temp sed basin at South end has sediment higher than the rain flap to Phase 7 South Phase 1. To be addressed as weather/wet conditions allow.
- E) Odor Control
 - Minor gas odor on US 45 and stronger gas odors on access road into Phase 7
- 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
 - Three pickers active during audit. Tree litter all removed
- H) Vehicle Impacts
 - Union Church Road clean
 - US45 and site roads very dusty
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving ADC Soils, MSW, and C&D
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Site very busy during audit, boxing filling
- L) Other Comments
 - In late June site will be receiving auto-fluff for daily cover
 - Contractor on site aiding in erosion, seep, and gas field repairs
 - Action Item - A large breach or seep occurred on May 28, 2020 discharging leachate from Phase 7 South into the temp sed basin forebay. Advanced has corrected the seep and will be cleaning the impacted area over the month of June
 - Cleanup will require the draining of the temp sed basin by pumping to trucks and regrading the basin, disposing of contaminated soils into the landfill
 - Action Item – Site will be receiving an NOV and is already under an NON from the DNR regarding leachate head levels. The site will be actively draining leachate to reach compliance.
 - As of June 5th the site had Phase 1 thru 3 in compliance.

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



May 21, 2020

Ms. Ann Bekta
Wisconsin Department of Natural Resources
2514 Morse Street
Janesville, WI 53545

Re: ADS Emerald Park Landfill, LLC
Research, Development and Demonstration Plan, ADS Emerald Park Landfill (#3290)
Discovery of Warning Symptoms and Suspension of Leachate Recirculation/Liquids Application

Dear Ms. Bekta:

In accordance with the Conditional Plan of Operation Approval Modification for the Research, Development and Demonstration (RD&D) Plan Renewal dated October 16, 2019 for the Advanced Disposal Services Emerald Park Landfill (Emerald Park), we are providing the Wisconsin Department of Natural Resources (Department) the following notification.

The Conditional Plan of Operation Approval states:

“Warning Symptoms - Leachate recirculation and the introduction of liquids will be suspended upon discovery of warning symptoms and may not resume in the areas where the problem occurred until changes are made to the system or the warning symptoms have declined to acceptable levels. ADS will notify the department in writing within 7 days of the discovery of warning symptoms and suspension of leachate recirculation. Warning symptoms may include the following:

- Leachate head wells showing persistent elevated liquid levels”

During a thorough review of data collected for the RD&D Annual Report, a number of anomalies were identified that we determined required further evaluation. This evaluation was completed on May 18th, 2020 at which time it was determined that leachate head well levels were in excess of the regulatory requirements and have been for a yet undetermined amount of time. Evaluations of historic leachate head well readings, leachate headwell infrastructure and leachate removal infrastructure are ongoing and results will be provided to the Department as additional information becomes available.

As a result of these findings, Emerald Park immediately suspended all leachate recirculation and acceptance of non-hazardous liquid waste allowed under this RD&D approval. The suspension will remain in effect until a determination is made demonstrating acceptable liquid levels have been achieved



and sustained and concurrence from the Department that Emerald Park can return to operation under the RD&D Approval.

At your request a conference call/Skype meeting has been scheduled on May 26th to allow for a more thorough discussion regarding the cause of these conditions and corrective actions to be implemented to return to compliance as quickly as possible.

Sincerely,
Advanced Disposal Services

A handwritten signature in blue ink, appearing to read 'Timothy D. Curry', is written over a light blue horizontal line.

Timothy D. Curry
Midwest Region Landfill Operations Manager

cc: Cynthia Moore – WDNR
David Buser – WDNR
Jay Warzinski – Advanced Disposal Services
Dan DeWaard – Advanced Disposal Services
Mike Hackney – Advanced Disposal Services



May 27, 2020

File Ref: FID 268244130
Waukesha Co.
SW Corr.

Mr. Michael Hackney
Advanced Disposal Services Emerald Park Landfill, LLC
W124 S10629 South 124th Street
Muskego, WI 53150

Subject: NOTICE OF NONCOMPLIANCE
Advanced Disposal Services Emerald Park Landfill (License #3290)

Dear Mr. Hackney:

On May 21, 2020, Advanced Disposal notified the department, as required by the research, development and demonstration plan, of leachate head wells showing persistent elevated liquid levels at the Emerald Park Landfill. On May 26, 2020, Advanced Disposal and the department discussed the elevated leachate head levels and leachate pumping activities at the landfill. Advanced Disposal indicated the landfill has had elevated leachate head levels for an extended period of time and has not removed leachate in accordance with the plan of operation and code requirements. It appears that the landfill is in violation of state solid waste management regulations and the June 9, 2011 plan of operation approval.

Section NR 506.07(5)(a), Wis. Adm. Code states leachate shall be removed from all collection tanks, manholes, lift stations, sumps or other structures used for leachate storage as often as necessary to allow for gravity drainage of leachate from the facility at all times or as it is produced, including hours when the landfill is closed, such as overnight and weekends.

Section NR 504.06(1)(a), Wis. Adm. Code states all major phases of landfills initially accepting municipal solid waste after July 1, 1996, shall be designed with a composite liner and a leachate collection system capable of limiting the average leachate head level on the composite liner to one foot or less during operation and after closure of the landfill.

Condition 1 of the department's June 9, 2011 plan of operation approval states all aspects of construction and operation of the landfill shall be performed in accordance with the plan of operation, the requirements of chs. NR 500 to 538, Wis. Adm. Code, and the conditions of the approval.

Due to the seriousness of the noncompliance, the department will be issuing Advanced Disposal a notice of violation within the next few weeks.

If you have questions, please contact Ann Bekta at (608) 743-4845 or ann.bekta@wisconsin.gov.

Sincerely,

Cynthia Moore, Supervisor
Waste and Materials Management Program
South Central Region

cc: Brad Wolbert – DNR WA/5 (e-copy)
Natasha Gwidt - DNR WA/5 (e-copy)
Ann Bekta – DNR SCR (e-copy)
David Buser – DNR SER/file copy (e-copy)
Tim Curry – ADS (e-copy)

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

PROJECT NO. 1020.10030

DATE June 5, 2020

TIME 12:38 PM

Auditor on site at: Open Close

PREVIOUS DATE: May 28, 2020 Completed

WEATHER Low clouds, Sunny. possible rain WIND S-10 MPH
 N S E W

TEMP Maximum 84 °F Minimum 58 °F B.P. 29.88

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
<u>1</u>	Excavator						
<u>2</u>	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 junction of Phase I
North & South at west edge of
Phase I South

No other working faces



Cover Material:

Soils tipped adjacent to
Working face

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

Phases:

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Blowers in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Flare use since last audit		#	—			
Shutdowns Since Last Audit:		#				
Total Number of Wells	#	Under vacuum	#			
Flow to MMSD:		#	cfm			

Comments:

Delivery intermittent during gas field repairs

D. Surface Water Management:

Storm Events Since Last	#	Est. Volume	—
-------------------------	---	-------------	---

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

Basins draining, Erosion repairs
on West slope of these & ongoing

E. Odor Control:

Odors Present:	Onsite	<input checked="" type="checkbox"/>	Offsite	<input checked="" type="checkbox"/>
----------------	--------	-------------------------------------	---------	-------------------------------------

Comments:

Minor gas odor on US/S and stronger
on Access road.

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"/>	# 3

Comments:

Litter minimal about site.
Trees cleaned

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 415 dusty. Blaise road clean.
Site roads dusty.

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:					6/5/2020	Form <input type="checkbox"/>
Tonnage:	1,600 TPD					

Comments:

ADC Soils, MSW, C&D.

J. Rejected Loads:

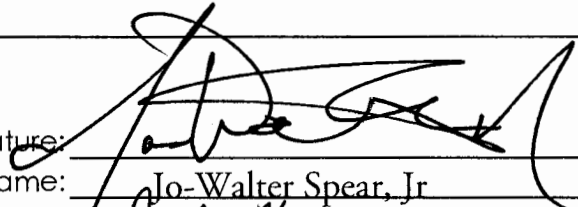
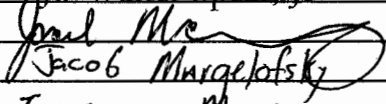
	Date/Time	Reason for Rejection
1.		None
2.		

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

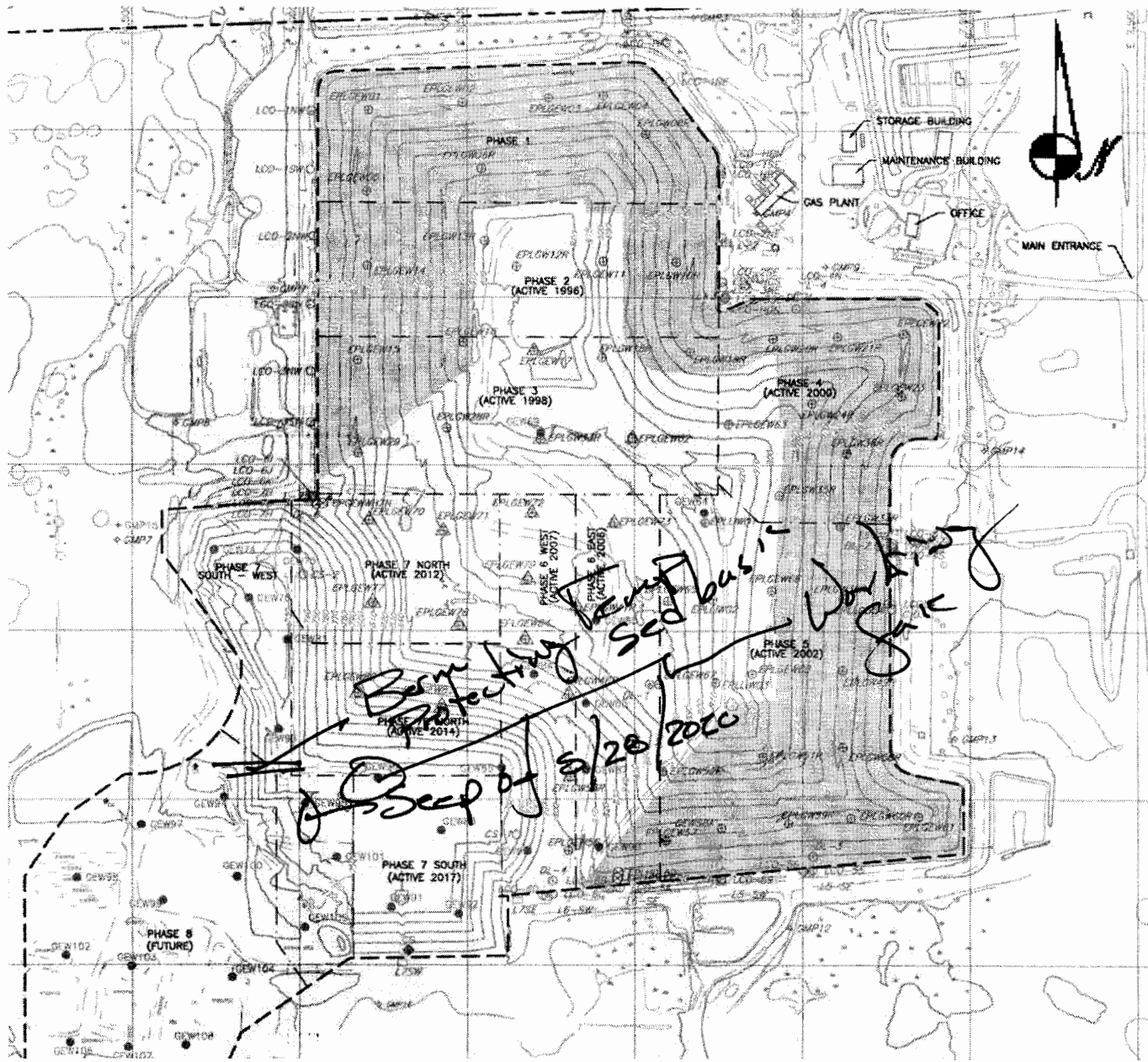
Site very busy during audit, boxes filling

L. Other Comments:

- * Autohuff will be received starting ~~starting~~ ~~for~~ daily cover in late June
- * Contractor riding in erosion, seeps and gas field repairs for last week
- * On 5/28/20, there was a seep from Phase 7 South into the fore bay of the Temp Sed Basin. Advanced has corrected the seep and will be cleaning up the impacted area over the month of June
- * Action Item - Site out of compliance with regards to leachate head, levels ongoing repairs since 5/28/2020

Auditor's Signature:  Date: 6/5/2020
Auditor's Printed Name: Jo-Walter Spear, Jr
Management Signature:  Date: _____
Management Printed Name: Jacob Margelofsky
Management Title: Temporary Manager
JSA Principal Signature: _____ Date: 6/5/2020

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Working face viewed from North, in Phase 7 North





Working face in Northwest corner of Phase 7 South



Working face and access to previous faces



Temp sed basin, contaminated with leachate from seep in Phase 7 South



Gas system repairs on Phase 7 North, West slope



Excavation of future Phase 8



Excavation of future Phase 8, soil being used in seep repairs



West slope of Phase 7 North, some seep repairs evident



West slope of Phase 7 North



Temp sed basin viewed from the North, closed off at the South end until cleaned and graded

**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



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: 06/18/2020
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 June 7, 2020. The audit was performed at 11:27 AM on **June 12, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the future Site Manager.

The last audit was performed on June 5, 2020

The weather conditions were clear and sunny, drying the site. Winds out of the West

Landfill Operations Audit:

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

The operation required the use of one compactor, three bulldozers, and a emissions sampling drone.

One dozer and one excavator were under repair

A) Working Face and Location

- Working face on the West edge of Phase 7 South, at top of slope, South of access road
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- Previously tipped soils in Phase 3 being used for daily cover

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin

C) Gas Monitoring and Management

- Gas volume down 100 cfm, 2,300 cfm being destructed. MMSD controlling flows

D) Surface Water Management

- Basins draining well, erosion and seeps being repaired on West slope of Phase 7
- Erosion about site minimal
 - Erosion into temp sed basin at South end has sediment higher than the rain flap to Phase 7 South Phase 1. To be addressed as weather/wet conditions allow.

E) Odor Control

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Gas odor on Union Church road when winds lessens
- 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
 - Two pickers active on site; site well picked and onsite trees clean
- H) Vehicle Impacts
 - Union Church Road clean
 - US45 and site roads very dusty
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and one contractor
 - Receiving MSW, C&D, and soils
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Site very busy during audit and boxes being emptied by roll-off truck
- L) Other Comments
 - Three contractors on site
 - Mueller Excavating cleaning sed basin #1 and restoring slopes. Soils tipped on Phase 7
 - Dead End Trucking repairing seeps and aiding in basin restoration
 - Drone flying site testing for emissions

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 June 12, 2020

TIME 11:27 AM

Auditor on site at: Open Close

PREVIOUS DATE: June 5, 2020 Completed

WEATHER Clear Sunny, drying WIND 10-20
 N S E W

TEMP Maximum 66 °F Minimum 44 °F B.P. 30.33

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>3</u>	Dozer		<u>1</u>				
	Excavator						
	Haul Truck						
	Water Truck						
	Grader						
<u>1</u>	<u>Drone</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	329						
<u>1</u>	<u>DGN</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>1</u>	<u>329</u>	<input checked="" type="checkbox"/>					

A. Working Face, Size and Location:

Working face on West edge
of Phase 7 South at top
of slope 7 South of Access Road



Cover Material:

Navalated ADC Soils tipped in
Phase 3

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:	# _____			
Total Number of Wells	# All	Under vacuum	# All	
Flow to flare	# 2,300 total cfm			

Comments:

MMSD controlling flow
Volume slightly down

D. Surface Water Management:

Storm Events Since Last # 2 Est. Volume 2/4

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

Site basins mostly draining,
Plenty of free board

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Odors when wind leaves on Union Church

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"/>	# 2

Comments:

Site well picked in all areas
Trees clean

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

Users of Union Church clean. Site roads dusty

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:	6/12/2020				Form	<input type="checkbox"/>
Tonnage:	1,800 TPD					

Comments:

MSW, C&D, and soils

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Busy during audit and boxes being emptied

L. Other Comments:

* Three Contractors on site
* Mueller excavating - Sed basin
cleaning and restoration.
Soils tipped in Working face

* Dead end trench - Repairing
seep & other sed basin
restoration

* Drone emission testing

~~*~~

Auditor's Signature:

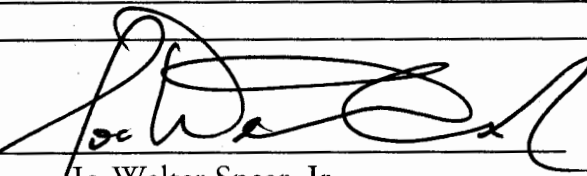
Auditor's Printed Name:

Management Signature:

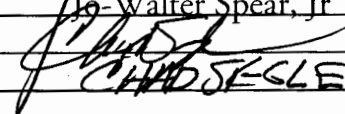
Management Printed Name:

Management Title:

JSA Principal Signature:



Jo-Walter Spear, Jr



CHAD SEALE

Date:

6/12/2020

Date:

6-12-20

Date:

Advanced Disposal Emerald Park Landfill Audit Map



offsite docs
in white

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

PROJECT NO. 1012.10030



Working face with daily cover stockpiled about edges





Working face on West edge of Phase 7 South



Working face and access to previous faces



North slope of Phase 7 South



Filter trailer for removing sediment from Temp Sed Basin leachate clean up



Previous cover and West slope of Phase 7 North viewed from East



View North along West edge of Phase 7



West slope of Phase 7 South



Overview of West slope of Phase 7



West slope of Phase 7 North, several seep repairs were done in last two weeks



Seep repair on West slope of Phase 7 North, was a large seep



Temp Sed Basin, contaminated with leachate, pumped to tanker for removal



To aid residents, the site depicts 1.5 cubic yards

**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



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: 06/18/2020
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 June 14, 2020. The audit was performed at 1:35 PM on **June 17, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the future Site Manager.

The last audit was performed on June 12, 2020

The weather conditions were clear and sunny summer weather, winds fluctuating from South to East

Landfill Operations Audit:

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

The operation required the use of one compactor, two bulldozers, an excavator and a haul truck

A) Working Face and Location

- Working face on South end and West edge of Phase 7 South
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- Soils excavated from future Phase 8 being used for daily cover

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin

C) Gas Monitoring and Management

- Gas volume returned to 2,400 cfm, partial delivery to MMSD
- Gas wells still being purged of water

D) Surface Water Management

- Basins draining well,
- Basin #1 cleaning and restoration nearly complete, contractor placing control structure

E) Odor Control

- Gas odor on access road only, no offsite odors

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- 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
 - Three pickers active on site; site well picked
 - Pickers active in site maintenance
- H) Vehicle Impacts
 - Union Church Road clean
 - US45 and site roads very dusty
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and one contractor
 - Receiving MSW, C&D, paper board, and soils
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present and over flowing
 - Site boxes mostly full
- L) Other Comments
 - Seep repairs complete
 - Temp sed basin pumping to PTW on going
 - Site receiving a new inbound scale
 - Roughly a month of one scale use
 - Leachate pumping ongoing to approach compliance
 - Overall site leachate depth ~1.6', down from a previous ~6.5' depth

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 June 17, 2020

TIME 1:35 PM

Auditor on site at: Open Close

PREVIOUS DATE: June 12, 2020 Completed

WEATHER Clear, Sunny, Summer weather

WIND 10-25 MPH
 N W

TEMP Maximum 86 °F Minimum 59 °F B.P. 30.22

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer		<input checked="" type="checkbox"/>				
<u>1</u>	Excavator		<input checked="" type="checkbox"/>				
<u>1</u>	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 Southeast and West edge of Phase 7 South



Cover Material:

Soils excavated in future phase

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:			#	0
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 2,200	cfm		

Comments:

Partially delivery to MMSD
System still purging water

D. Surface Water Management:

Storm Events Since Last # 0 Est. Volume

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

Basins draining
Basin #1 dry. Contractor placing new control structure

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Gas odor on Access road only

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"/>	# <u>3</u>

Comments:

Site clean.
Pickers doing site maintenance

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

USFS dusty, Union Church clean
Site roads dusty

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	<u>3</u>
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<u>6/12/2020</u>			Form <input type="checkbox"/>
Tonnage:	<u>1,800 TPD</u>			

Comments:

MWD, C&D, and paper board small soil

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<u>None</u>
2.		

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

Resite overflowing
Site boxes mostly full, site clean

L. Other Comments:

- * Seep repairs complete
- * Temp Sed based pumping to RW outgoing
- * Site receiving New table.
- * Leachate pumping outgoing
 Mac of site w/ completion

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 6/19/20

Date: 6-17-20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Working face at top of slope, soils stockpiled for daily cover





West slope of Phase 7



Access road from Phase 7 North to Phase 7 South, viewed from North



North slope of Phase 7 South



Working face between access road and top of slope, Phase 7 South



Active area of Phase 7 South, viewed from the North



Basin #1 cleaned and restored, new control structure being installed



Basin #1 cleaned and restored



North end of temp sed basin, pumping from this area to tanker



South end of temp sed basin



West slope of Phase 7, soils at top of slope for daily cover



Contractor separating temp sed basin to aid in pumping and future flow control



E-Waste box, over flowing

**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 serving an NOV



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: 06/26/2020
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 June 21, 2020. The audit was performed at 3:02 PM on **June 25, 2020** by Jo Spear, Jr.; in the presence of Jake Margelofsky; the Temporary Site Manager.

The last audit was performed on June 17, 2020

The weather conditions were clear, sunny, and dry; winds out of the South

Landfill Operations Audit:

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

The operation required the use of one compactor, two bulldozers, one excavator, and one haul truck. Contractor was operating one excavator and one haul truck.

A) Working Face and Location

- Working face at junction of Phase 7s, along West edge of Phases
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- Soils excavated from future Phase 8 being used for daily cover, some soils being tipped
- No other working faces

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin
 - Temp sed basin appeared to be pumped down by more than half

C) Gas Monitoring and Management

- Gas volume 2,400 cfm, partial delivery, 800 cfm, to MMSD
- Gas wells still being purged of water

D) Surface Water Management

- Basins draining well, plenty of freeboard
- Basin #1 cleaning and restoration complete

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- E) Odor Control
 - No offsite odors, favorable wind during audit
 - Onsite odors at seeps uphill from access road
- 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
 - Two pickers active on site; site well picked
- H) Vehicle Impacts
 - Union Church Road and US45 clean
 - US45 and site roads very dusty
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and one contractor
 - Receiving MSW, C&D, small volume soils, and special wastes
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present and over flowing
 - Contractor will be emptying e-waste box twice per week
 - Boxes being emptied during audit
- L) Other Comments
 - No odor complaints for 6/25/2020; there were complaints at start of week
 - Temp sed basin pumping to PTW on going
 - Site receiving a new inbound scale
 - Roughly a month of one scale use
 - Leachate pumping ongoing to approach compliance
 - Seeps adjacent to access road exposed and being back filled with stone. May not be capped overnight, but will be by end of 6/26/2020
 - Bentonite placement and other emission controls ~70% complete

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 June 25, 2020

TIME 3:02 PM

Auditor on site at: Open Close

PREVIOUS DATE: June 17, 2020 Completed

WEATHER Clear, Sunny & dry WIND S-15 MPH
 N S E W

TEMP Maximum 82 °F Minimum 61 °F B.P. 29.99

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
<u>2</u>	Excavator		<u>1</u>				
<u>2</u>	Haul Truck		<u>1</u>				
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face at junction of Phase
2 & 3, along West edge.
No other working face



Cover Material:

Stale pit soils from Phase 8

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			#	1
Shutdowns Since Last Audit:			#	None
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 300	cfm		2460 cfm

Comments:

MMSD Controlling flow
Flare controlling remainder

D. Surface Water Management:

Storm Events Since Last # 3-4 Est. Volume 2/50

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

Basins in good shape, plenty of freeboard. Basin 1 complete and restored

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No off-site odors. Gas odor at seeps on access road

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"/>	# 2

Comments:
Litter minimal on site.

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

*US48 & Union Church clean but dusty
 Site roads dusty, but 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"/>	#	
Random Load Inspection Dates:					6/19/20	Form <input type="checkbox"/>
Tonnage:	1,200 TPD					

Comments:
MHW, CFD, small soils, and special

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		

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

*Boxes being emptied, e-waste container overflowing
 e-waste emptied twice per week*

L. Other Comments:

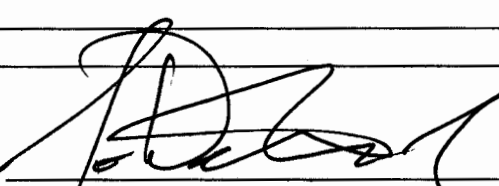
* No odor complaints prior to audit
No off-site odors

* inbound scale replacement ongoing

* Seeps adjacent to access road
exposed and being filled. Seeps
maybe left open overnight.

* Bentonite placement about wells
to seal ~ 70% complete

* Draining of temp sed basin to treatment
ongoing

Auditor's Signature: 

Auditor's Printed Name: Jo-Walter Spear, Jr

Management Signature: 

Management Printed Name: Jacob Margetofsky

Management Title: Temp Manager

JSA Principal Signature: _____

Date: 6/26/20

Date: 6/27/20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Bentonite and clay sealing about well heads





Bentonite and clay sealing about well heads



Excavation upslope of access road to address seeps and gas emissions.
May not be capped by end of day, but will be by 6/26/2020



View across active area



Work in cleaning and restoring basin #1 complete



Access road up to Phase 7, area of recurring odors



View across temp sed basin, South to North



View across temp sed basin, South to North



Vegetation slow to grow on West slope of Phase 7. Yellowing areas are potentially evidence of vegetative stress caused by LFG



Seep in West slope, just above Temp sed basin. This is a re-accuring seep

**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 serving an NOV



**Advanced
Disposal**

July



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: 07/22//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 June 28, 2020. The audit was performed at 2:00 PM on **July 1, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; Site Manager

The last audit was performed on June 25, 2020

The weather conditions were clear, sunny, and dry; winds out of the East

Landfill Operations Audit:

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

The operation required the use of one compactor, two bulldozers, two excavators, and two haul trucks. Contractor was operating two excavators and one haul truck.

A) Working Face and Location

- Working face moving Northward across Western edge of Phase 7 South
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- Soils excavated from future Phase 8 being used for daily cover, some soils being tipped
- No other working faces

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin
 - Temp sed basin refilled by rain event

C) Gas Monitoring and Management

- Gas volume 2,400 cfm being destructed by flare
- MMSD to be shutdown for two weeks
- Gas wells still being purged of water

D) Surface Water Management

- Basins draining well, no erosion issues

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- E) Odor Control
 - No offsite odors, favorable wind during audit
 - Garbage odors from WMWI along US 45
- 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
 - Two pickers active on site; site well picked
 - Pickers actively mowing and Weed eating during audit
- H) Vehicle Impacts
 - Union Church Road clean
 - US 45 dusty with debris in left turn lanes
 - Site roads are rough
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and one contractor
 - Receiving MSW, Soils, and ADC wastes
 - ~1,800 TPD
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present and over flowing
 - Site clean and boxes mostly empty
- L) Other Comments
 - Well pumps are being replaced frequently
 - Temp sed basin cleaning began on 6/28/2020 at the South end
 - Site receiving a new inbound scale
 - Concrete poured prior to today's audit
 - Leachate pumping ongoing to approach compliance
 - Dan Otzelberger named as new Regional Manager
 - Seep repairs up to date 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 July 1, 2020
 Auditor on site at: Open Close

TIME 2:00PM

PREVIOUS DATE: June 25, 2020 Completed

WEATHER Clear Sunny and dry

WIND S-15 mph gust
 N S E W

TEMP Maximum 86 °F Minimum 65 °F B.P. 29.98

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer		<u>1</u>				
	Excavator						
<u>2</u>	Haul Truck		<u>1</u>				
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face making north across
West edge of Phase 7.
No other working face



Cover Material:

Excavated from future Phases

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:	# None			
Total Number of Wells	#	Under vacuum	#	
Flow to MMSD:	# 0	cfm		

2, too close to flare

Comments:

MMSD will be shutdown for two weeks
Site will be flaring only during that time

D. Surface Water Management:

Storm Events Since Last # 0 Est. Volume

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

Basins draining.
No erosion issues

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No offsite odors from Advanced. Strong Waste odors from MMS Active Area

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 type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

Litter minimal
Pickers actively mowing/wood trimming

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 dusty and left turn lanes have debris
Union Church Clean - Site roads

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"/>	#	2
Random Load Inspection Dates:	6/26/2020				Form	<input type="checkbox"/>
Tonnage:	1,300 TPA					

Comments:

MSW, Soil loads, ADC

J. Rejected Loads:

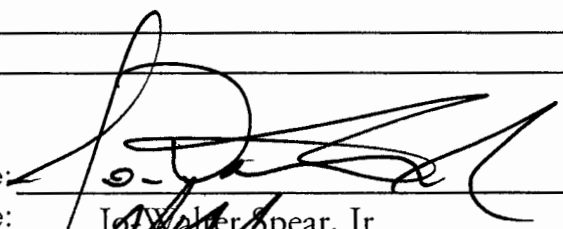
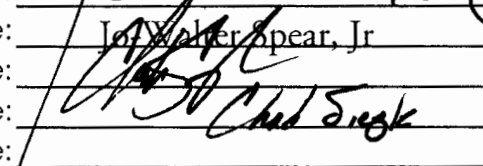
	Date/Time	Reason for Rejection
1.		None
2.		

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

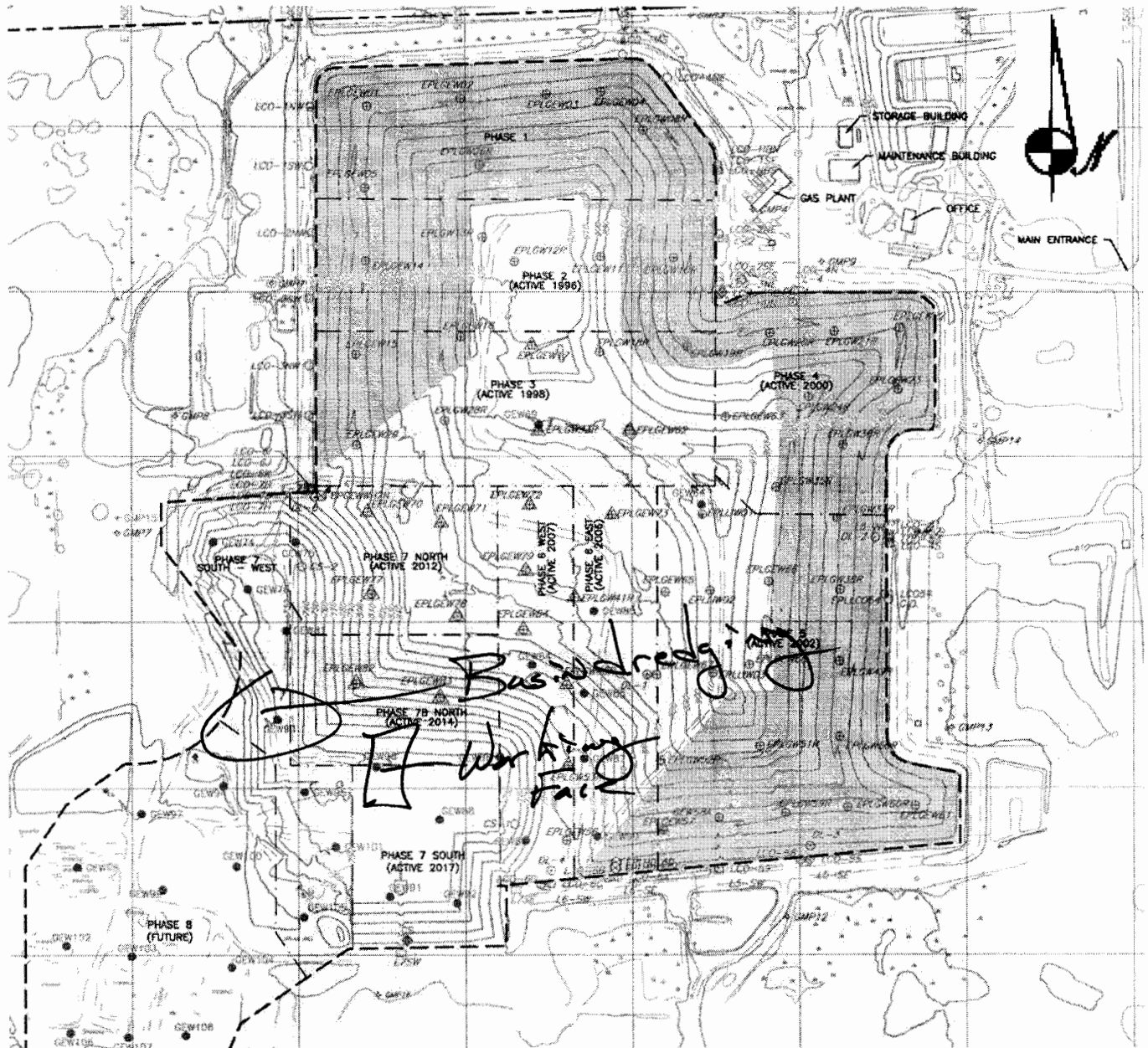
Site clean and relatively empty

L. Other Comments:

- * Well pumps have been replaced frequently
- * Sediment removal from ramp and basin, started 6/28/20 at ~~North~~ ^{South} end
- * Seal base poured for day. Approx two more weeks until complete
- * New GM to be Dan Otzeilberger
- * Seep repairs up to date

Auditor's Signature:  Date: 7/01/2020
Auditor's Printed Name: Joe Water Spear, Jr.
Management Signature:  Date: 7-1-20
Management Printed Name: Chad Siegle
Management Title:
JSA Principal Signature: _____ Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



West slope on approach to working face in Phase 7





West slope of Phase 7 above access road



West slope of Phase 7 above access road



Current surface conditions about working face in Phase 7



Wet area above previously repaired seeps along access road



Temp sed basin split to manage leachate contamination



Temp sed basin being separated to manage leachate contamination



View across temp sed basin, East to West



View into future Phase 8 excavation from the East

**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



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: 07/22/2020
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 July 5, 2020. The audit was performed at 1:20 PM on **July 5, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the Site Manager.

The last audit was performed on July 9, 2020

The weather conditions was rain at the start of the audit, followed by Sun and dry conditions. Wind changed direction frequently

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 bulldozers

A) Working Face and Location

- Working face in Northwest corner of Phase 7 South at the bend, at the top of the access road
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- Cover consists of paperboard and other ADC
- No other working faces

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin
 - Temp Sed Basin refilled by storm events

C) Gas Monitoring and Management

- Plant down due to power outage for four hours on 7/7/2020
- MMSD taking partial delivery of total 2,000 cfm destructed
- Gas wells still being purged of water

D) Surface Water Management

- Heavy, but short storm prior to Audit

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Basins with plenty of freeboard
- No evidence of new erosion
- E) Odor Control
 - No offsite odors
 - Minor gas odor on Access road only
- 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
 - Two pickers active on site; on and off site well managed
 - low winds are expected all week
- H) Vehicle Impacts
 - US 45 turn lanes gritty with debris
 - Site roads rough
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators
 - Receiving MSW, C&D, and ADC wastes
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present and empty
 - Boxes mostly empty and site clean
- L) Other Comments
 - Budgetary changes now have new paving to be done by future owner
 - No new odors since June 23, 2020
 - Temp sed basin cleaning ongoing
 - Flow meter for leachate lift station is faulty, 30 gpm off

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 July 9, 2020 TIME 1:20
 Auditor on site at: Open Close

PREVIOUS DATE: July 1, 2020 Completed

WEATHER Rained at start of audit, Sunny WIND Varies 10-15
 N S E W

TEMP Maximum 91 °F Minimum 69 °F B.P. 29.91

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	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 Northwest corner
of Phase 7 South at bend
in access road.
No other working faces



Cover Material:

Paper board

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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:			#			Power Outage 7/7/2020
Total Number of Wells	#	All	Under vacuum	#	All	
Flow to MMSD			#	2,000	cfm	

Comments:

MMSD taking partial delivery
Outage for 4 hours.

D. Surface Water Management:

Storm Events Since Last	#	2	Est. Volume	~1.5"
-------------------------	---	---	-------------	-------

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

Heavy but short storm today.
Basins with plenty of freeboard
Erosion Minimal

E. Odor Control:

Odors Present:	Onsite	<input checked="" type="checkbox"/>	Offsite	<input type="checkbox"/>
----------------	--------	-------------------------------------	---------	--------------------------

Comments:

No offsite odors, Minor gas odor on Access road
only

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"/>	# 2

Comments:

Litter minimal. Offsite litter non-existent
Low winds all weeks

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

Left turn lanes gritty and some debris. Site roads 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:	7/3/2020				Form	<input type="checkbox"/>
Tonnage:	1,800 TPD					

Comments:

MSW, ADC, CAD,

J. Rejected Loads:

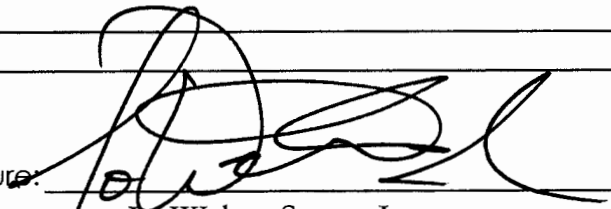
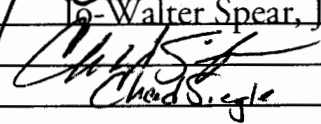
	Date/Time	Reason for Rejection
1.		None
2.		

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

Boxes mostly empty, E-Waste empty, site clean

L. Other Comments:

- * Road paving to be dealt with by transition company
- * No recorded odors since 6/23/2020
- * Temp Sed Basin cleaning ongoing
- * Flow meter for leachate lift station is faulty ~~for~~ ~ 30 gpm

Auditor's Signature:  Date: 7/9/2020
Auditor's Printed Name: Walter Spear, Jr.
Management Signature:  Date: 7-9-20
Management Printed Name: Chad Siegle
Management Title: _____
JSA Principal Signature: _____ Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Site slopes wet, but not eroded





Water pooled about active area



Water pooled about active area



Water pooled about active area



Basin #1 receiving very little water from Phases 1 thru 3 and not from Temp Sed Basin



North "bay" of Temp Sed Basin



Temp sed basin laid out, prepped for leachate removal and dredging



Temp sed basin, cleaning and dredging continue.

**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



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: 07/22/2020
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 July 12, 2020. The audit was performed at 1:38 PM on **July 14, 2020** by Jo Spear, Jr.; in the presence of Daniel Otzelberger; the General Manager.

The last audit was performed on July 9, 2020

The weather conditions were sunny with possible rain; winds out of the South

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 bulldozers

A) Working Face and Location

- Working face on East side of Phase 7 North starting a new lift from access road East
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- C&D, Paperboard, and other ADC wastes
- No other working faces

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin
 - Temp sed basin appeared to be pumped down by more than half

C) Gas Monitoring and Management

- Gas volume 2,500 cfm, partial delivery, 1000 cfm, to MMSD
- Gas wells still being purged of water

D) Surface Water Management

- Heavy rains at the end of last week, basins draining well, plenty of freeboard

E) Odor Control

- No offsite odors, favorable wind during audit

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Onsite odors at access road
- 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
 - Two pickers active on site
 - Litter minimal
- H) Vehicle Impacts
 - Union Church Road and US45 clean; including turn lanes
 - Site roads rough
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and one contractor
 - Receiving MSW, C&D, and special wastes ~1,700 TPD
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present and over flowing
 - Site clean
- L) Other Comments
 - Tree removed from Basin #2 control structure
 - Temp sed basin pumping to PTW on going
 - Surface scan to be conducted for 10 day recheck
 - Site prepared for surface scan on four last failure locations

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 July 14, 2020

TIME 1:38 PM

Auditor on site at: Open Close

PREVIOUS DATE: July 9, 2020 Completed

WEATHER Sunny dry and possible rain WIND 10-15 MPH
 N S E W

TEMP Maximum 85 °F Minimum 68 °F B.P. 30.04

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	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 on East side of Trac 7 North
start of new lift from access
road East.



Cover Material:

CFD and paperboard

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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:	#					_____
Total Number of Wells	#	All	Under vacuum	#	All	
Flow to MMSD:	1	Destruct	#	1,000	cfm	to MMSD 1,500 cfm to flare

Comments:

Partial flows to MMSD

D. Surface Water Management:

Storm Events Since Last	#	2	Est. Volume	229
-------------------------	---	---	-------------	-----

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

Heavy rains at end of last week, basins have plenty of freeboard

E. Odor Control:

Odors Present:	Onsite	<input checked="" type="checkbox"/>	Offsite	<input type="checkbox"/>
----------------	--------	-------------------------------------	---------	--------------------------

Comments:

Minor gas odor at access odor

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"/>	# 2

Comments:

1: Her minimal

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 Clear including turning lanes

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:					7/10/20	Form <input type="checkbox"/>
Tonnage:	1,760 - TPD					

Comments:

MSW, C&D, and special

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		

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

E-Waste overflowing; site clean

L. Other Comments:

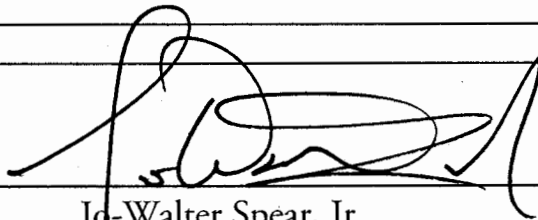
* Tree removed from Basin #2
Control structure

* Temp basin cleanup ongoing

* Surface scan to be conducted
for 10 day rechecked

* Site prepared for surface scan
on 4 last failures

Auditor's Signature:



Date: 7/14/20

Auditor's Printed Name:

Jo-Walter Spear, Jr.

Management Signature:



Date: 7/14/20

Management Printed Name:

Daniel Otzelberger

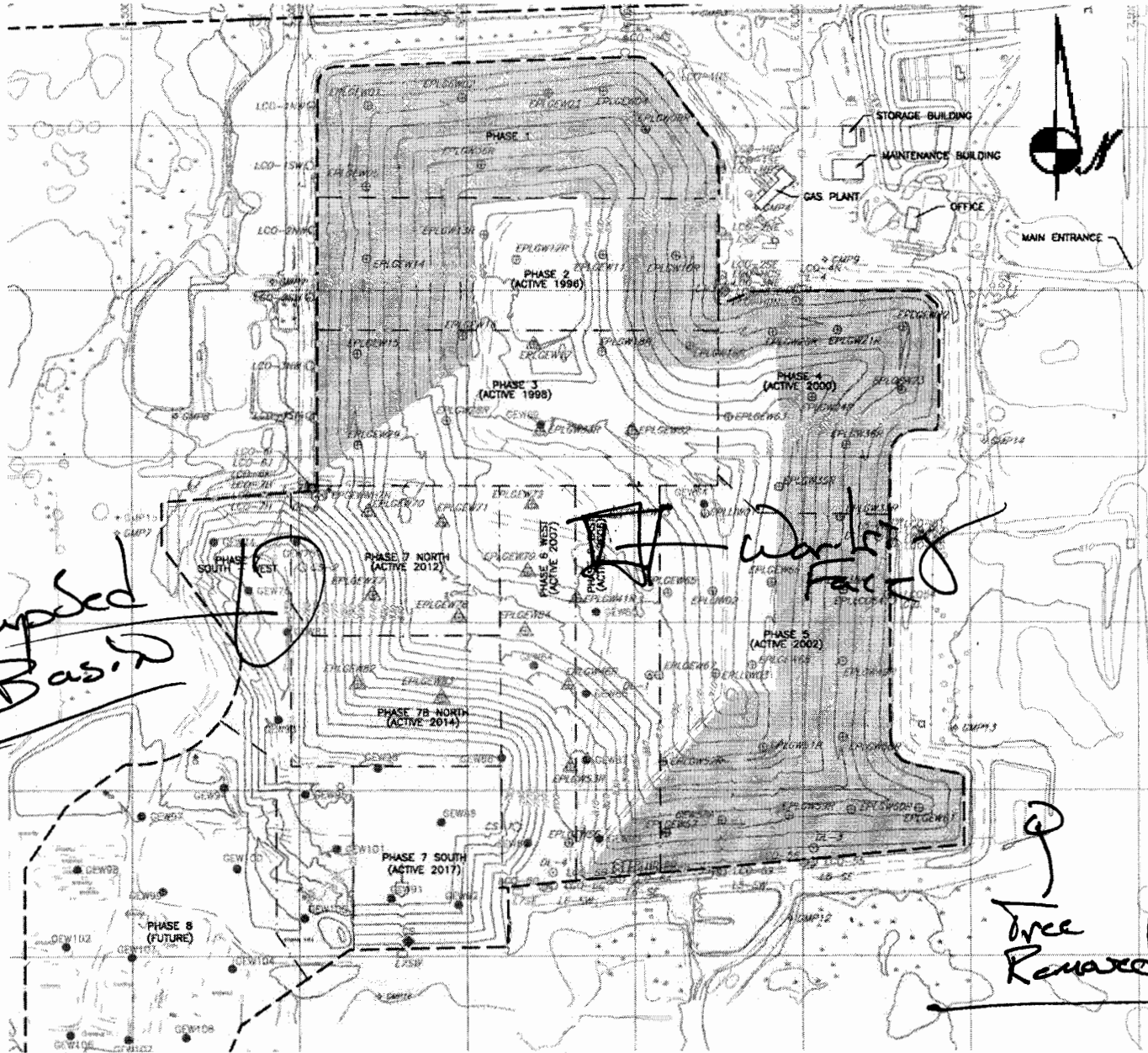
Management Title:

G.M.

JSA Principal Signature:

Date:

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Toe of South slope of Phase 7 South





West edge of South slope of Phase 7 South



South slope of Phase 7 South



South slope of Phase 7 South, well being backfilled after placement of bentonite



Top of slope, Phase 7, some stockpiling placed for cover



West slope, at top, of Phase 7



Phase 7 viewed to the East



Access across active area viewing South



Phase 7 view to the South



New lift moving West across Phase 7



Tanker truck receiving filtered water from temp sed basin



View across temp sed basin, East to West



West slope of Phase 7 viewed from the South



North end of Phase 7 viewed from West, East slopes in good repair



South end of Phase 7 viewed from the West



West slope of Phase 7, tanker truck leaving with a load from temp sed basin



West slope of Phase 7, no evident seeps



West slope above temp sed basin, excavator making repairs and access improvements



North slope out of temp sed basin, contaminated runoff pumped through filter tailer into tankers



Temp sed basin broken into bays to aid in cleanup and restoration after leach-ate contamination

**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



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: 07/24/2020
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 July 19, 2020. The audit was performed at 11:58 PM on **July 23, 2020** by Jo Spear, Jr.; in the presence of Daniel Otzelberger; the General Manager.

The last audit was performed on July 14, 2020

The weather conditions were sunny with clouds, at times overcast, and possible rain. Mild winds out of the Northeast

Landfill Operations Audit:

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

The operation required the use of one compactor, one bulldozer, one excavator, and one haul truck.

Contractors were operating one excavator

A) Working Face and Location

- Working face on East edge of Phase 7, moving Eastward toward Phase 6, bring lift to even grade across Phases 6 & 7
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- Previously tipped soils from Phase 3 being used as cover
- No other working faces

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin
 - Temp sed basin appeared to be pumped down by more than half

C) Gas Monitoring and Management

- Gas volume 2,500 cfm, partial delivery, 1400 cfm, to MMSD
- Gas wells still being purged of water, progress being made

D) Surface Water Management

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Two events since last audit. Basins draining with available freeboard
- E) Odor Control
 - Gas odor on Union Church at high tension crossing
 - Onsite odors at access road
- 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
 - Two pickers active on site
 - Litter minimal
- H) Vehicle Impacts
 - Union Church Road and US45 clean; including turn lanes
 - Site roads dusty and entrance very rough
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and one contractor
 - Receiving MSW, C&D, and special wastes ~1,600 TPD
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present and over flowing
 - Site clean, boxes mostly empty
- L) Other Comments
 - Basin cleaning of temp sed basin ongoing. South half deemed "clean". North half being solidified with the addition of lye
 - Inbound scale concrete poured today, estimated usable date in three weeks or less.

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 July 23, 2020 TIME 11:52
 Auditor on site at: Open Close

PREVIOUS DATE: July 13, 2020 Completed

WEATHER Sun w/ clouds, some overcast, possible rain WIND S-13
 S W

TEMP Maximum 77 °F Minimum 60 °F B.P. 30.11

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
2	Excavator		✓1				
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 is the middle of Phase 2B.~~
~~Upper facing North and waste being~~
~~tripped and pushed west into working~~
~~face~~

Working face on ~~the~~ East edge
 of Phase 7 Mainy Records
 Phase 6



Cover Material:

Previously tipped cover soils in Phase 3.

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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:					#	0
Total Number of Wells	#	All	Under vacuum	#	All	
Flow to MMSD:	#	1,400	cfm			

900 cfm

Comments:

Total destruction = 2,300 cfm.
Well draining ongoing - progress being made

D. Surface Water Management:

Storm Events Since Last	#	2	Est. Volume	2.1"
-------------------------	---	---	-------------	------

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

Some rain events since last audit
Basins draining

E. Odor Control:

Odors Present:	Onsite	<input checked="" type="checkbox"/>	Offsite	<input checked="" type="checkbox"/>
----------------	--------	-------------------------------------	---------	-------------------------------------

Comments:

Gas odor offsite on Union Church road at power lines and onsite at access road

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"/>	# 2

Comments:

Litter minimal onsite

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 & Elvion Church Road
Site roads 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:					<i>NA</i>	Form <input type="checkbox"/>
Tonnage:	<i>1,600</i>					

Comments:

MSW, C&D, and Special Wastes

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		

K.

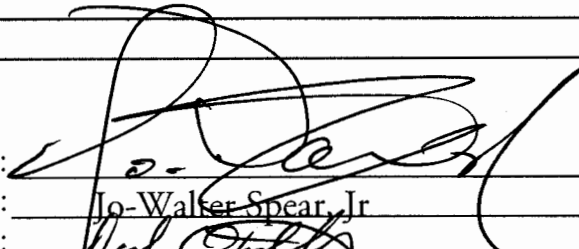
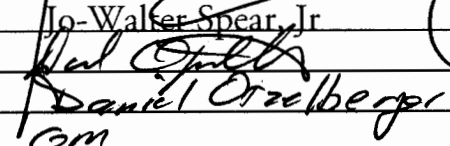
Residential Drop Off:	Open During Audit	<input type="checkbox"/>	E-Waste Container Present	<input checked="" type="checkbox"/>
-----------------------	-------------------	--------------------------	---------------------------	-------------------------------------

Site clean, boxes mostly empty, E-Waste overflowing

L. Other Comments:

* Basin cleaning at temp sed basin ongoing. South half "clean"
North half being solidified with lye

* To bound scale concrete poured today, estimated ~~start~~ use date in three weeks.

Auditor's Signature: 
Auditor's Printed Name: Jo-Walter Spear, Jr
Management Signature: 
Management Printed Name: Daniel Orzelberger
Management Title: GM
JSA Principal Signature: _____

Date: 7/23/2020
Date: 7/23/20
Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Slope repair on North slope of Phase 4, upper middle of Photo





Phases 4 and 3, soil being excavated from on top of Phase 3 for cover



South slope of Phase 7 South



Vault at toe of Phase 7 South slope



Access road headed North, potential area of odor release and where the most odors are encountered



Phase 7 viewed from the North



View across Phase 7



West slope of Phase 3



Basin 1



North end of temp sed basin, still being pumped/treated



South end of temp basin, certified clean



View across temp sed basin, South to North



Temp Sed Basin receiving Lye to solidify basin for cleaning



North end of Phase 7 viewed from West, East slopes in good repair



South end of Phase 7 viewed from the West



West slope of Phase 7, tanker truck leaving with a load from temp sed basin



West slope of Phase 7, no evident seeps



West slope above temp sed basin, excavator making repairs and access improvements



North slope out of temp sed basin, contaminated runoff pumped through filter tailer into tankers



Temp sed basin broken into bays to aid in cleanup and restoration after leach-ate contamination

**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



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: 07/29/2020
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 July 26, 2020. The audit was performed at 3:38 PM on **July 28, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the Site Manager.

The last audit was performed on July 23, 2020

The weather conditions were dry and sunny with strong winds

Site manager did not have a vehicle available for the audit. Audit was performed as a table discussion regarding the operation of the landfill. No pictures were taken.

Landfill Operations Audit:

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

The operation required the use of one compactor, two bulldozers, one excavator, and one haul truck.

Contractors were operating one dozer

A) Working Face and Location

- Working face on top of Phase 7 South, inbound from Phase limits
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- Previously tipped soils in Phase 3 being used as cover
- No other working faces

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin
 - Temp sed basin Northern half being solidified by contractor using lye

C) Gas Monitoring and Management

- Gas volume 2,500 cfm, partial delivery, 1,100 cfm, to MMSD
- Minor shutdown on 7/27/20 for less than 4 hours due to blower maintenance

D) Surface Water Management

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- One small event since last audit
 - Site basins have plenty of freeboard, Basin #1 receiving pumped water from temp sed basin under controlled conditions
 - Site very dry during audit
- E) Odor Control
- No offsite odors detected during audit
 - No site access, so no detection of on site odors
- 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
 - Two pickers active on site, performing site maintenance during audit
 - Litter minimal
- H) Vehicle Impacts
- Union Church Road and US45 clean; iturn lanes have debris
 - Site roads clean, entrance rough
- I) Inspection of Incoming Waste
- Site operating with three equipment operators and one contractor
 - Receiving MSW, C&D, and low volume special wastes ~1,600 TPD
- J) Rejected Loads
- None
- K) Residential Drop Off
- E-Waste Container present and over flowing
 - Site clean, boxes half full
- L) Other Comments
- Basin cleaning of temp sed basin ongoing. South half deemed "clean". North half being solidified with the addition of lye and water being pumped into Basin #1. Pumping can be done until water depth is 1' and then testing required before additional pumping.
 - Wells still being drained. Thirty five wells have pumps and are inspected weekly. A team works weekly to repair pumps and maintain wells.

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 July 28, 2020

TIME 3:38

Auditor on site at: Open Close

PREVIOUS DATE: July 23, 2020 Completed

WEATHER Dry, Sunny and strong winds WIND 5-25 SW & SE
 N E

TEMP Maximum 84 °F Minimum 66 °F B.P. 29.96

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2+1</u>	Dozer		<u>✓ (1)</u>				
<u>1</u>	Excavator		<u>✓</u>				
<u>1</u>	Haul Truck		<u>✓</u>				
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face Phase 7 South on top
Access to in board conditions
No other working faces



Cover Material:

Soils pre tipped for 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	#			
Shutdowns Since Last Audit:	# 7/27/2020			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 1,100	cfm		

2,500 cfm total

Comments:

Minor shutdown less than four hours on 7/27/2020
Shutdown for blower maintenance

D. Surface Water Management:

Storm Events Since Last # 1 Est. Volume < 1/2"

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

Basins have plenty of free board
Site dry by audit

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No odors during audit offsite

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"/>	# 2

Comments:

Pickers performing site maintenance

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 & Union Church road clean & dusty
Left two lanes ^{with} debris, Site 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:					7/23/2020	Form <input type="checkbox"/>
Tonnage:	1,600 TPD					

Comments:

MSW, C&D, and low volume asbestos

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

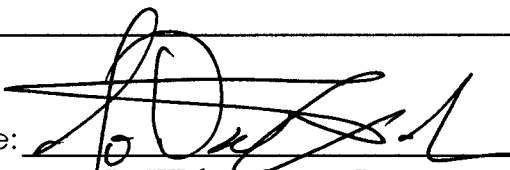
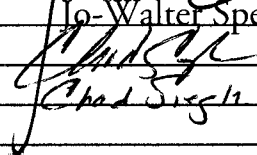
K. Residential Drop Off: Open During Audit E-Waste Container Present

on behalf of Gull, Site clean, E-Waste overflowing

L. Other Comments:

* Basin cleaning ongoing
for temp sed basin.
North half being pumped into
sed basin once until 1 foot
depth for testing - Oaks Contractor

* Wells still being drained
Weekly inspection of 35 wells
with ~~the~~ pumps.

Auditor's Signature: 
Auditor's Printed Name: Jo-Walter Spear, Jr
Management Signature: 
Management Printed Name: Chad Siegel
Management Title: _____
JSA Principal Signature: _____

Date: 7/28/2020
Date: 7-28-20
Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



**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



**Advanced
Disposal**

August



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: 08/12/2020
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 August 2, 2020. The audit was performed at 12:20 PM on **August 6, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the Site Manager.

The last audit was performed on July 28, 2020

The weather conditions were clear, sunny, with minor cloud cover

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 bulldozers.

Contractors were operating one excavator

A) Working Face and Location

- Working face on top of Phase 7 South at Southern end
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- ADC being used as cover, including shredded autofluff
- No other working faces

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Leachate head levels restored, some tankering out of Temp Sed Basin ongoing
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin
 - Temp sed basin Northern half being solidified by contractor using lye

C) Gas Monitoring and Management

- Gas volume 2,500 cfm, partial delivery, 1,500 cfm, to MMSD
- MMSD controlling flow rates

D) Surface Water Management

- One small event since last audit

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Site basins have plenty of freeboard, Basin #1 receiving pumped water from temp sed basin under controlled conditions
 - Erosion Minimal
- E) Odor Control
- No offsite odors detected during audit
 - Gas odor on midpoint of access road
- 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
 - Two pickers active on site, picking on West side of footprint during audit
 - Litter minimal
- H) Vehicle Impacts
- Union Church Road and US45 clean; but very dusty
 - Site roads dusty and entrance getting rougher
- I) Inspection of Incoming Waste
- Site operating with three equipment operators and one contractor
 - Receiving MSW, C&D, cover soils, and other ADC ~1,600 TPD
- J) Rejected Loads
- None
- K) Residential Drop Off
- E-Waste Container present
 - Site clean, boxes half full
- L) Other Comments
- Temp sed basin cleaning. Solidification with quick lye at North half of basin. Excavation by Oaks
 - Site management is evaluating redrilling of wells, will provide operational dates when prepared.
 - Autofluff is available again as ADC and the site is receiving it.
 - Tanker trucks removing surface water only

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 August 6, 2020

TIME 12:30

Auditor on site at: Open Close

PREVIOUS DATE: July 28, 2020 Completed

WEATHER Clear Sunny, some clouds

WIND S-15
 (N) S E W

TEMP Maximum 78 °F Minimum 56 °F B.P. 30.16

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	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 South end of Phase 7
South, nearer to East edge, Phase 6
than Outbound slope
No other active areas



Cover Material:

~~Specialty lined soil~~
Auto floor, # paper board, and other ADR

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:	# _____			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	#	1,500	cfm	

flaring remainder

Comments:

MMSD controlling flow
Volumes unchanged

D. Surface Water Management:

Storm Events Since Last # 1 Est. Volume 24"

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

Small storm event since last audit
Basins draining. Erosion minimal

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Gas odor on mid point of access road.

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"/>	# 2

Comments:

Pickers on west side of foot
print

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 clean but dusty.
Site roads dusty, entrance getting rougher

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:					July 20	Form <input type="checkbox"/>
Tonnage:	1,600					

Comments:

MSW, C&D, soils (cover), and ADK

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

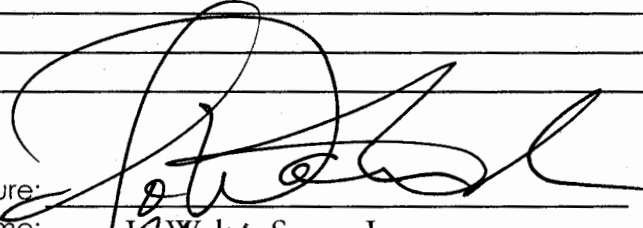
L. Other Comments:

* Temp sed basin clear out ongoing
Solidification with quick lye and
excavation by Oats

* 7 redrilled wells planned, development
to begin ~~on~~ ongoing.

* tanker trucks only remaining liquid
from Temp Sed Basin.

* Site receiving autoeffluent for ADC
once again.

Auditor's Signature: 

Date: 8/6/2020

Auditor's Printed Name: Walter Spear, Jr

Management Signature: 

Date: 8-6-20

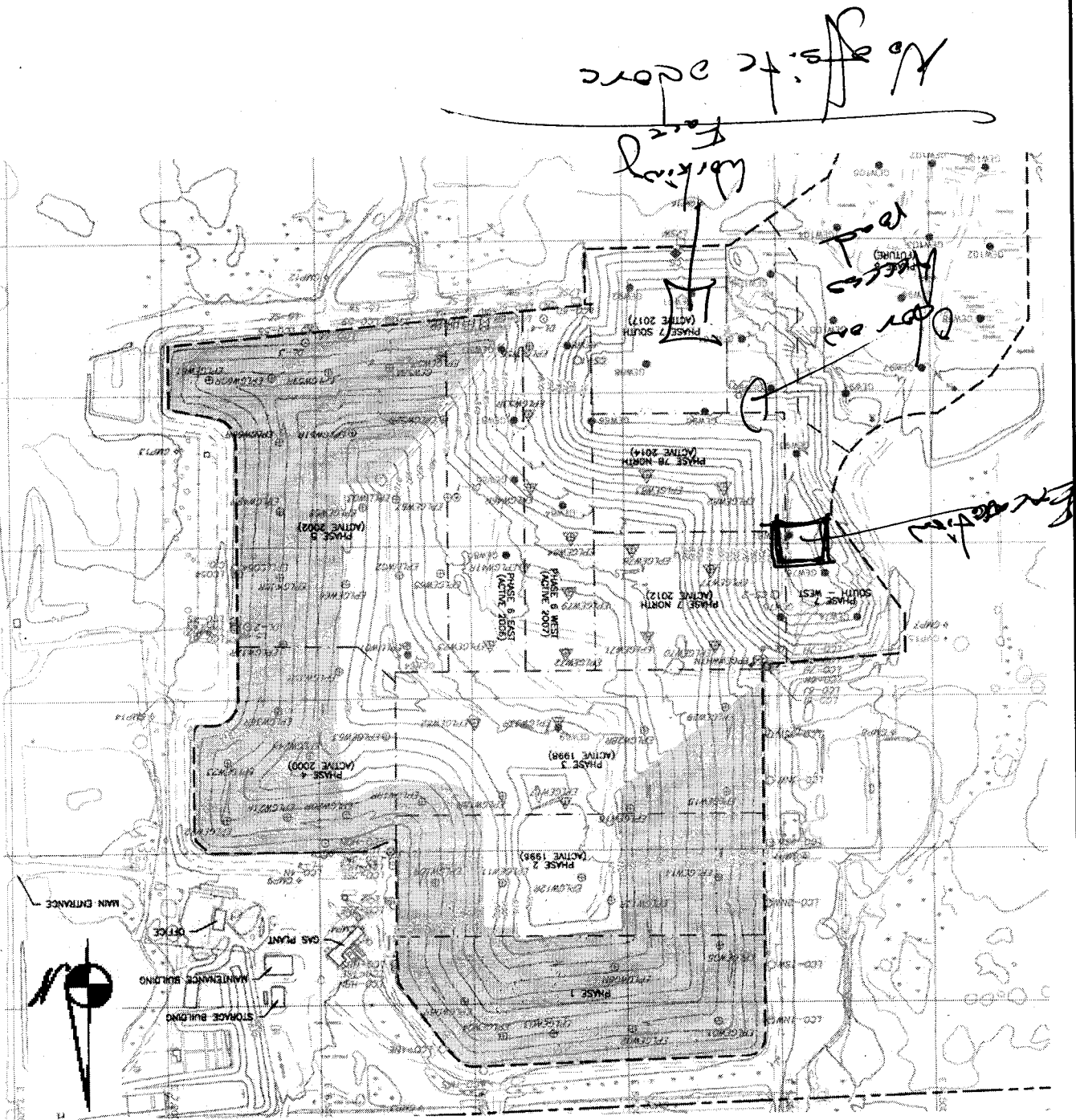
Management Printed Name: CHAD SKILLE

Management Title:

JSA Principal Signature:

Date:

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Temp sed basin and West slope of Phase 7





West, outboard slope, of Phase 7 South



South slope of Phase 7 South



Temp sed basin being solidified and material removed



Working face in Phase 7 North/South boundary



Phase 7 viewed from the North



Overview of Temp Sed basin cleanup

**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 serving an NOV



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: 08/27/2020
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 August 9, 2020. The audit was performed at 1:50 PM on **August 13, 2020** by Jo Spear, Jr.; in the presence of Daniel Otzelberger; the General Manager.

The last audit was performed on August 6, 2020

The weather conditions were clear, sunny, and very dry

Landfill Operations Audit:

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

The operation required the use of one compactor, two bulldozers, and one haul truck

Contractors were operating one excavator

A) Working Face and Location

- Working face ant South end of Phase 7 South. Active area being used for travelway
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- ADC being used as cover, including shredded autofluff
- No other working faces

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Leachate head levels restored, some tankering out of Temp Sed Basin ongoing
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin
 - Only the Northern tip of the temp sed basin still being cleaned

C) Gas Monitoring and Management

- Gas volume 2,550 cfm, partial delivery, 1,450 cfm, to MMSD
- MMSD controlling flow rates

D) Surface Water Management

- No events since last audit

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Site basins have plenty of freeboard, Basin #1 receiving pumped water from temp sed basin under controlled conditions
 - Erosion Minimal
- E) Odor Control
- No offsite odors detected during audit
 - Gas odor on midpoint of access road
- 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
 - Two pickers active on site, picking on East slope of Phase 5
- H) Vehicle Impacts
- Union Church Road and US45 clean; but very dusty
 - Site roads dusty
 - Entrance dusty and very rough
- I) Inspection of Incoming Waste
- Site operating with three equipment operators and one contractor
 - Receiving MSW, C&D, and special wastes ~1,700 TPD
- J) Rejected Loads
- None
- K) Residential Drop Off
- E-Waste Container present
 - Site clean, boxes half full
- L) Other Comments
- Temp sed basin cleaning. Excavation of contaminated silt nearly complete
 - Basin silt being stockpiled in Phase 3 for future cover
 - Site management is evaluating redrilling of wells, will provide operational dates when prepared.

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 August 13, 2020

TIME 1:50 PM

Auditor on site at: Open Close

PREVIOUS DATE: August 6, 2020 Completed

WEATHER Sunny, clear, very dry

WIND 5-10 MPH
 N S E W

TEMP Maximum 84 °F Minimum 64 °F

B.P. 30.17

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
<u>1</u>	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 south end of
Phase 7 of South. Active area
being used as travel way



Cover Material:

ADC and auto fluff

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	# Cont			
Shutdowns Since Last Audit:	#			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 1450	cfm		

total 25300cfm

Comments:

Shutdown by MMSD expected next week

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	
-------------------------	-----	-------------	--

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

Basin's draining. Temp Sed basin being pumped into Basin #1

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No off-site odor, on-site only at access road mid-point

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"/>	# 2

Comments:

Pickers on East slope of Phase 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 & Union Church clean
 US 45 very dusty. Entrance dusty & rough

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#		
Random Load Inspection Dates:						Form	<input type="checkbox"/>
Tonnage:	1,700 TPD						

Comments:

MSW, C&D, and special

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Boxes half full, site clean.

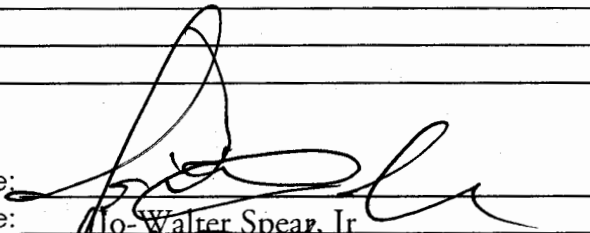
L. Other Comments:

* Temp Sed Basin cleaning nearly complete.

* Redrilling wells still in planning stage, expected end of September

* Basin material being stockpiled in Phase 3 for future cover.

Auditor's Signature:



Date: 8/13/2020

Auditor's Printed Name:

Jo Walter Spear, Jr

Management Signature:



Date: 8/13/20

Management Printed Name:

Daniel Otzelberger

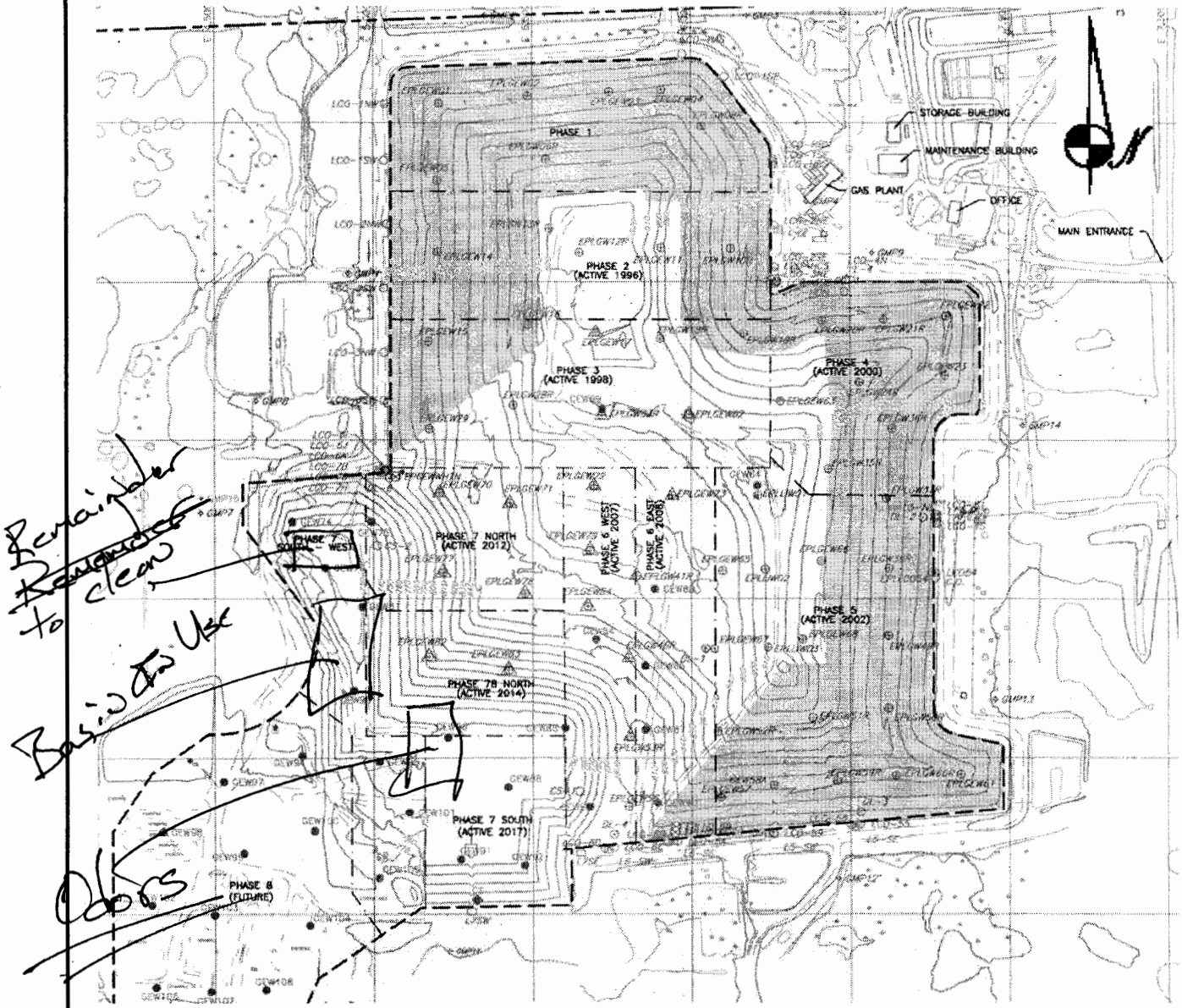
Management Title:

Facility Manager

JSA Principal Signature:

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



New inbound scale operational





Residential drop off area clean and boxes mostly empty



Residential drop off area clean and boxes mostly empty



Residential drop off area clean and boxes mostly empty



Phase 4 North slope



Travel over Phase 4 has started erosion locations



South slope of Phase 7 South, at junction with Phase 6



South slope of Phase 7 South



Work in leachate cleanout and system



West slope above access road



Phase 7 viewed from the North



Phase 7 viewed from the North



Working face in Southeast corner of Phase 7 South, against Phase 6



Phase 7 viewed from the North



Lost portion of Temp Sed Basin being cleaned of sil, contaminated by leach-
ate



Overview of Temp Sed Basin, mostly cleared and cleaned

**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



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: 08/27/2020
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 August 16, 2020. The audit was performed at 1:08 PM on **August 18, 2020** by Jo Spear, Jr.; in the presence of Daniel Otzelberger; the General Manager.

The last audit was performed on August 13, 2020

The weather conditions were clear, sunny, with minor cloud cover

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 bulldozers.

A) Working Face and Location

- Working face in Southeast corner of Phase 7 South against Phase 6
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- ADC being used as cover, including shredded autofluff and wood seconds
- No other working faces

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Leachate head levels restored, some tankering out of Temp Sed Basin ongoing
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin

C) Gas Monitoring and Management

- Gas volume 2,500 cfm, partial delivery, 1,500 cfm, to MMSD
- MMSD controlling flow rates
- 30 out of 34 wells with pumps actively pumping
- Pump lowered in well on West slope of Phase 7 South last week, odor intensity changed today

D) Surface Water Management

- Hit and miss showers over the last week

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Site basins have plenty of freeboard, Basin #1 receiving pumped water from temp sed basin under controlled conditions
 - Erosion Minimal
- E) Odor Control
- No offsite odors detected during audit
 - Very faint gas odor on midpoint of access road
- 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
 - Two pickers active on site, picking on South slope of Phase 7 and access road during audit
 - Litter minimal
- H) Vehicle Impacts
- US 45 being prepared for construction repairs in front of Emerald Park
 - US 45 and Union Church clean
 - Site roads dusty and entrance getting rougher
- I) Inspection of Incoming Waste
- Site operating with three equipment operators and one contractor
 - Receiving MSW, C&D, and other ADC ~1,600 TPD
- J) Rejected Loads
- None
- K) Residential Drop Off
- E-Waste Container present
 - Site clean, two boxes overflowing
- L) Other Comments
- There have been morning odor complaints daily since last audit
 - Construction entrance open for contractor's access
 - Temp Sed Basin cleaning nearly complete, contractor recontouring basin
 - Possible seep in rain flap and leachate released into Temp Sed Basin
 - US 45 repairs should be completed in one week.
 - Lowering of pumps in gas wells appears to take a full week before a noticeable change in odors

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 August 18, 2020

TIME 1:08 PM

Auditor on site at: Open Close

PREVIOUS DATE: August 13, 2020 Completed

WEATHER Clear, Sunny, high clouds WIND 0-5
 S W

TEMP Maximum 76 °F Minimum 56 °F B.P. 30.11

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	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
No other working faces



Cover Material:

Auto Sluff and wood seconds

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:	#			
Total Number of Wells	#	Under vacuum	#	
Flow to MMSD:	#		cfm	

Comments:

30 out of 34 well pumps working, repairs ongoing
Pumps lowered in one well along access road

D. Surface Water Management:

Storm Events Since Last # 1 Est. Volume ~ 1"

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

Hit or miss showers about Milwaukee & Waukesha
counties over last week. Basins draining
and drying

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Very faint odor about

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"/>	# 2

Comments:

Pickers active on South slope and access road. Litter minimal

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, construction about to begin
Site roads dusty & dry

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	8/13/2020				Form	<input type="checkbox"/>
Tonnage:	1,600 TPD					

Comments:

MW, A/D materials, CD, No soils

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Site closed. Top boxes overflowing
Site clean

L. Other Comments:

* Missing odor complaints since last audit
recessed other days

* Construction Entrance open for
Contractor, Dabs,

* Temp Sed basin cleaning nearly
complete, Contractor reshaping
Basin

* Possible New Seep at base of
Phase 7 South West slope into
Temp Sed Basin

* USHS Construction repairs should
be complete by next week

* Pump lowered in well at regular odor location
having an impact

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

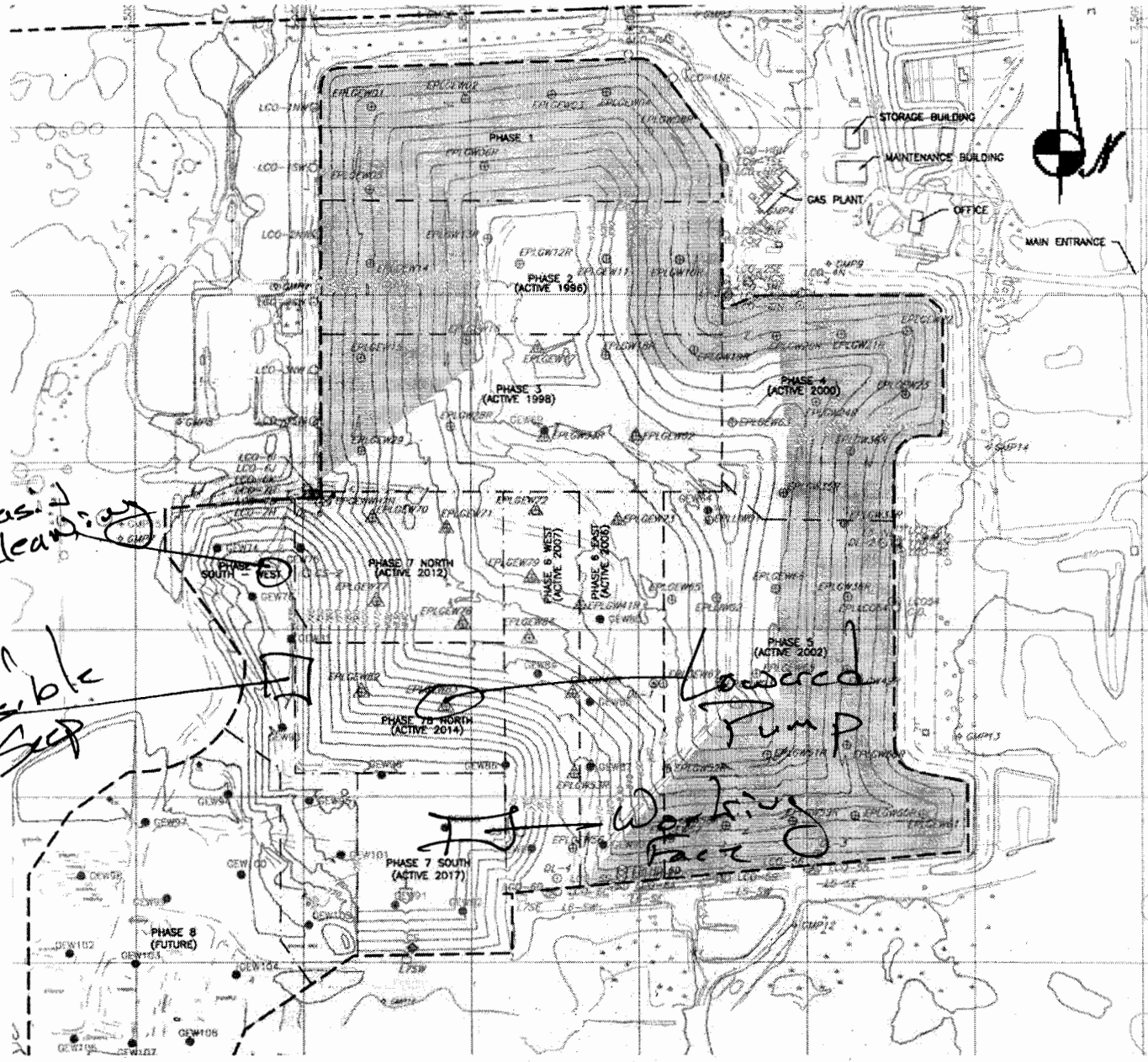
JSA Principal Signature: _____

Date: 08/18/2020

Date: 8/18/20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



Basic Cleanup

Possible Sep

Working Face

Leached Pump

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

PROJECT NO. 1012.10030



South slope Phase 7 South





New connection between wells in Phase 7



Active area viewed from North



Working face in South end of Phase 7 South



Junction of Phase 7 and 3 West slope



Temp sed basin viewed from Phase 7, not seep in sed basin in the South portion



West slope of Phase 7 South



Temp Sed Basin viewed from South



Temp Sed Basin viewed from North

**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 serving an NOV



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: 09/01/2020
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 August 23, 2020. The audit was performed at 12:25 PM on **August 25, 2020** by Jo Spear, Jr.; in the presence of Daniel Otzelberger; the General Manager.

The last audit was performed on August 18, 2020

The weather conditions were clear, sunny, with rain before and possibly after audit

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 bulldozers.

Contractors were operating one excavator and two haul trucks

A) Working Face and Location

- Working face in Southwest corner of Phase 7 South, on outboard slope
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- ADC being used as cover, including shredded autofluff
- No other working faces

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Leachate head levels restored, some tankering out of Temp Sed Basin ongoing
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin
 - Temp sed basin bottom being scrapped again for contaminates from seep in rain flap

C) Gas Monitoring and Management

- Gas volume 2,500 cfm, partial delivery, 1,100 cfm, to MMSD
- MMSD controlling flow rates
- MMSD has been pushing back a scheduled shutdown

D) Surface Water Management

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Heavy storm over previous night and into the am
 - Basins have freeboard
 - Erosion minimal, but increasing on South slopes
- E) Odor Control
- No offsite odors detected during audit
 - Gas odor on midpoint of access road
- 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
 - Two pickers active on site
 - Litter minimal
- H) Vehicle Impacts
- US 45 has heavy tracking from both landfill entrances
 - Site roads rough, entrance especially so
- I) Inspection of Incoming Waste
- Site operating with three equipment operators and one contractor
 - Receiving MSW, large soil project, and other ADC ~1,700 TPD
- J) Rejected Loads
- None
- K) Residential Drop Off
- E-Waste Container present
 - Site clean, boxes half full
- L) Other Comments
- Contractor repairing entrance with crushed stone
 - Temp sed basin has definite seep, noticed on 8/18/2020. Contractor exposing seep and removing contaminated soils to Phase 3.
 - Haul truck creating erosion on West slope of Phase 3
 - Slope grading maintenance on West Slope of Phase 7 South

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 August 25, 2020 TIME 12:25
 Auditor on site at: Open Close

PREVIOUS DATE: August 18, 2020 Completed

WEATHER Sunny Clear, earlier rain & potentially more WIND 0-15 MPH S W

TEMP Maximum 82 °F Minimum 67 °F B.P. 30.08

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
<u>1</u>	Excavator		<input checked="" type="checkbox"/>				
<u>2</u>	Haul Truck		<input checked="" type="checkbox"/>				
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Southwest corner of these 7 South
on out board slopes (corner slopes)
No other working faces



Cover Material:

ADC, auto fluff and wood

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:			#	
Total Number of Wells	#	Under vacuum	#	
Flow to MMSD:	# 1,100 flare		cfm	

1,400 to MMSD

Comments:

2500 cfm total destruct.
MMSD shutdown set back from last week

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	2.14
-------------------------	-----	-------------	------

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

Heavy storm last night into this morning
Basins have plenty of free board.
Erosion minimal

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No offensive odors, gas odors on access road

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"/>	# 2

Comments:

Site litter minimal

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 heavy trucking at both landfill entrances
 Site roads rough, especially entrance

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:					NA	Form <input type="checkbox"/>
Tonnage:	1,700 TPD					

Comments:

MOW, large soil job

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

K.

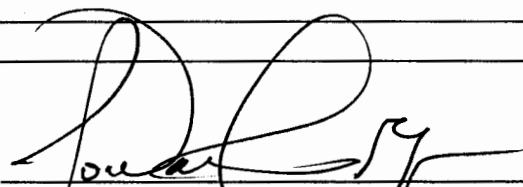
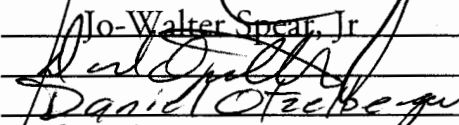
Residential Drop Off:	Open During Audit	<input type="checkbox"/>	E-Waste Container Present	<input checked="" type="checkbox"/>
-----------------------	-------------------	--------------------------	---------------------------	-------------------------------------

L. Other Comments:

* Contractor repairing entrance with crushed stone

* Seep into Temp Sed basin, identified last week, being repaired by contractor during audit today. Additionally excavated soils to expose rain flap and seep fixed in Phase 3 haul trucks rutting West slope at Phase 3/7 junction

* Slope grading maintenance on West Slope of Phase 7 South

Auditor's Signature: 
Auditor's Printed Name: Walter Spear, Jr
Management Signature: 
Management Printed Name: Daniel Otzeberg
Management Title: G.M.
JSA Principal Signature: _____

Date: 8/23/20
Date: 8/25/20
Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



Temp Sed Basin

Rain Pipe Deep

Working Face

Stachin

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

PROJECT NO. 1012.10030



South slope of Phase 7 South, erosion developing





West, outboard slope, of Phase 7 South



Southwest corner, South side of Phase 7 South. Heavy rutting by travel of gas techs



Temp sed basin being solidified and material removed



Look up West slope of Phase 7 South



View across Phase 6



West slope of Phase 7 South, some regrading done uphill, left, in photo



Phase 7 viewed from the North



View of Phase 7 South and North



Final cleanup of Temp Sed Basin after release and seep



Dozer regrading "clean" area of temp sed basin



Edge of uncovered waste viewed from the West, in Phase 7 South



Excavator clearing rain flap to access seep

**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 serving an NOV



**Advanced
Disposal**

September



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: 09/04/2020
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 August 30, 2020. The audit was performed at 10:45 AM on **September 2, 2020** by Jo Spear, Jr.; in the presence of Scott Croft; the Gas Plant Manager.

The last audit was performed on August 25, 2020

The weather conditions were sunny, very clear, and drying

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 bulldozers.

Contractors were operating three excavators and two haul trucks

A) Working Face and Location

- Working face in Southwest corner of Phase 7 South, on outboard slope, start of new lift to move Northward across Phase 7
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- ADC being used as cover, including shredded autofluff
- Soils excavated from Temp Sed Basin being stockpiled for future cover in Phase 3. This is contaminated soil from a seep in the temp sed basin

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Leachate head levels restored, some tankering out of Temp Sed Basin ongoing
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin
 - Temp sed basin bottom being scrapped again for contaminates from seep in rain flap

C) Gas Monitoring and Management

- Gas volume 2,600 cfm being destructed by flare, no delivery to MMSD today
- MMSD controlling flow rates

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- MMSD has been pushing back a scheduled shutdown, and continue to do so
- D) Surface Water Management
 - Small rain events since last audit
 - Basins have freeboard
 - Erosion minimal, but increasing on South slopes
- E) Odor Control
 - Autofluff odor on US 45 East of Phase 7
 - Gas odor on midpoint of access road
- 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
 - Two pickers active on site
 - Litter in left turn lane of entrance, but no where else off site
- H) Vehicle Impacts
 - US 45 dry and dusty, Union Church clean
 - Entrance recently patched with crushed stone
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and two contractors
 - Receiving MSW, soil project, C&D, and other ADC ~1,900 TPD
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Site closed and clean
- L) Other Comments
 - Dusty conditions on US45 from both sites. Street sweeper scheduling may be necessary
 - Seven wells have been identified for redrilling to begin at the end of the month. A new horizontal well is scheduled for place on the East side of the access road on the West slope of Phase 7; strong odors are usually encountered there
 - New outfall construction for Basin #1 ongoing
 - Temp sed basin cleaning and repair of the rain flap seep ongoing. Final repair requires the activities of a liner crew for liner repairs.

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 September 2, 2020

TIME 10:45

Auditor on site at: Open Close

PREVIOUS DATE: August 25, 2020 Completed

WEATHER Sunny, Very Clear, Dry, w/ WIND S-15 MPH
 TEMP Maximum 80 °F Minimum 62 °F B.P. 29.76

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	<u>Compactor</u>						
<u>2</u>	<u>Dozer</u>						
	<u>Excavator</u>						
	<u>Haul Truck</u>						
	<u>Water Truck</u>						
	<u>Grader</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in Southwest corner
of Phase 7 South,
Soil being stock piled in Phase 3
from Temp Sed Basin clearing



Cover Material:

Shredder Sluff and on site 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	# _____			
Shutdowns Since Last Audit:	# _____			
Total Number of Wells	#	Under vacuum	#	
Flow to MMSD:	Flare	#	2,600	cfm

Comments:

MMSD not receiving gas, but this is not the scheduled shutdown

D. Surface Water Management:

Storm Events Since Last # 2 Est. Volume 214

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

Basins draining with plenty of free board
Erosion developing on South slope of Phase 7

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Autofluff odor on U45 East of Phase 7

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"/>	#

Comments:

Litter is left turn lane of entrance

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 dry and dusty - Union Church clean
Entrance patched with stone*

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:					Form	<input type="checkbox"/>
Tonnage:	<i>1,900</i>					

Comments:

Mow, Soils & CED

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		

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

Site closed for the day, site clean

L. Other Comments:

* Dusty road conditions on USHS from both sides. Street sweeping scheduling maybe necessary.

* 7 well redrill expected by to begin end of the month

* New outfall construction for Basin #1 ongoing

* Temp Sed Basin cleaning to repair rain flap deep ongoing

Auditor's Signature:

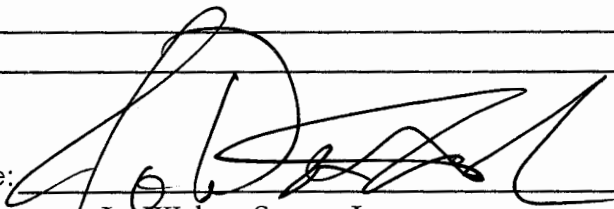
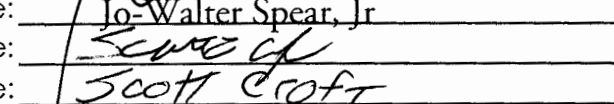
Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature:

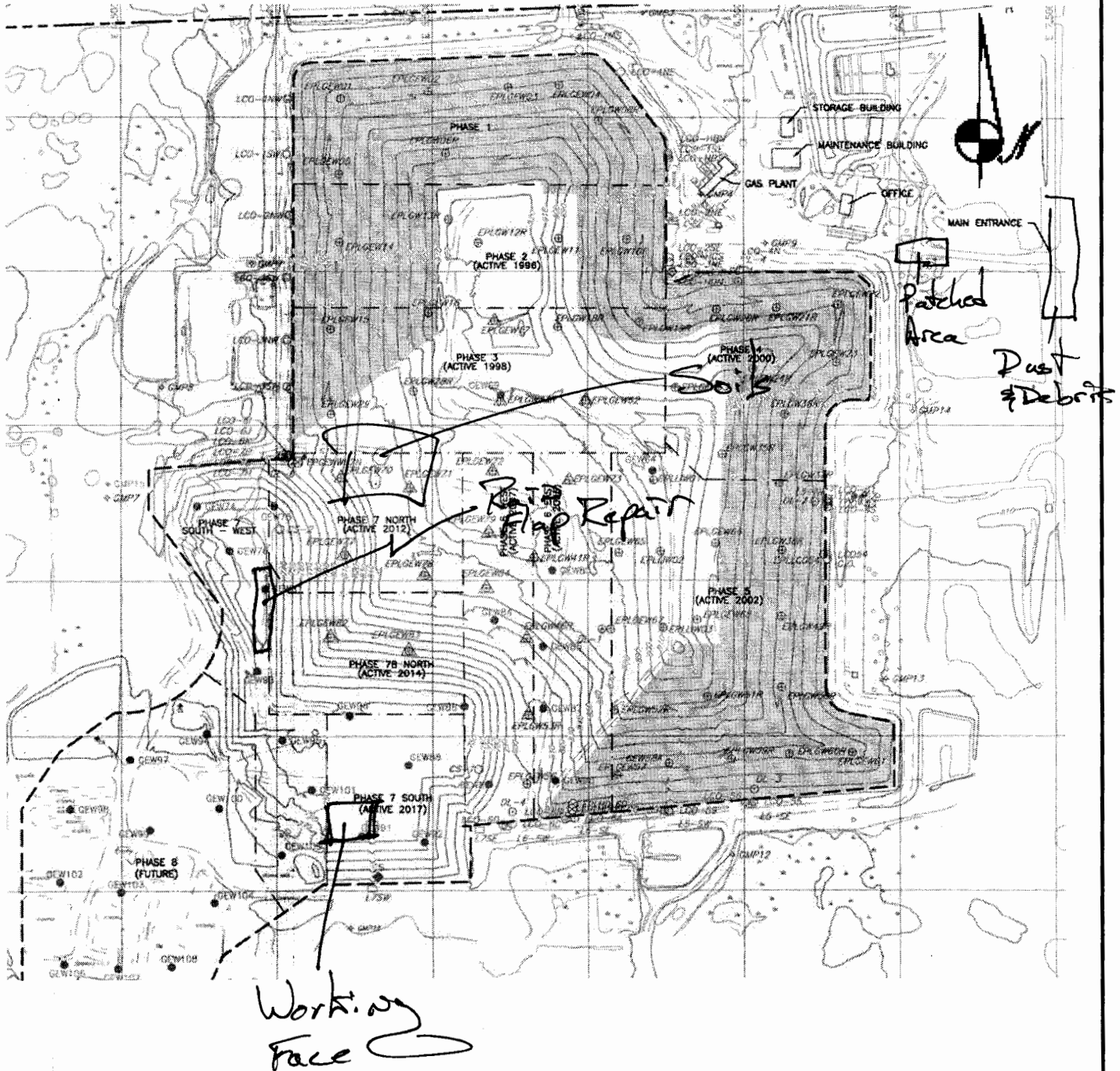

Jo-Walter Spear, Jr

Scott Croft
Plant Manager

Date: 9/2/2020

Date: 9/3/2020

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Top of Phase 7 South slope, at Phase 6 junction





East edge of Phase 7 South, South slope



South slope of Phase 7 South showing some erosion



South slope of Phase 6 & 7 junction



Damage to slope at Southwest corner of Phase 7 South by repeat travel of bull dozer



View across Phase 6



West slope of Phase 7 South



Phase 7 viewed from the North



Working face activities



Working face, new lift starting at South end of Phase 7 South



Protected wells and working face, well on left to be redrilled



Construction of new outfall for Basin #1



Temp Sed Basin, cleaned and drained



Stockpiling of soils from Temp Sed Basin on Phase 3



Stockpiling of soils from Temp Sed Basin on Phase 3



West slope of Phase 7 South, edge of working face visible



Seep repair to rainflap ongoing, there was a large volume of trapped leachate



North slope of Phase 4, some wear and tear from vehicle traffic

**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



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: 09/18/2020
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 September 6, 2020. The audit was performed at 10:25 AM on **September 6, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the Site Manager.

The last audit was performed on September 2, 2020

The weather conditions were overcast, spitting rain, and additional rain expected throughout the day

Landfill Operations Audit:

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

The operation required the use of one compactor, two bulldozers, and excavator.

Site backhoe in for repairs

Contractors were not operating equipment

A) Working Face and Location

- Working face in South end of Phase 7 South, along West top of slope, lift moving Northward
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- ADC being used as cover, including shredded autofluff; soils being used for cover on outboard slope

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Leachate head levels restored, some tankering out of Temp Sed Basin ongoing
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin

C) Gas Monitoring and Management

- Gas volume 500 cfm being destructured by flare, 2,000 cfm delivery to MMSD today
- MMSD controlling flow rates
- MMSD has been pushing back a scheduled shutdown, and continue to do so

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- D) Surface Water Management
 - Storms have occurred throughout the last week.
 - Basins have freeboard
 - Basin #1 repairs now complete
 - Erosion minimal, no noticeable increase
- E) Odor Control
 - Gas odors on Union Church just West of the South Boundary stockpiles/ screening berms
 - Gas odor on midpoint of access road
- 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
 - Two pickers active on site
 - Litter present in ditches and median of US45
- H) Vehicle Impacts
 - US 45 and Union Church clean accept for debris in the left turn lanes
 - Recently patched potholes in entrance washing out
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and two contractors
 - Receiving MSW, soil project when dry, and C&D ~1,800 TPD
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present and overflowing
 - Site operation has been busy, boxes overflow; being emptied throughout the day
- L) Other Comments
 - Gas well being raise in Northwest (corrected from audit) of Phase 7 South. Well is offline during construction and is a likely source of odor
 - Well redrill scheduled for end of month, includes horizontal gas collection trench installation
 - Liner repair on rainflap to occur when liner crew finishes at other sites

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 September 10, 2020 TIME 10:25
 Auditor on site at: Open Close

PREVIOUS DATE: September 2, 2020 Completed

WEATHER Overcast, spitting rain, rain expected throughout the day WIND S-10MPH S W
 TEMP Maximum 58 °F Minimum 53 °F B.P. 30.38

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
<u>1</u>	Excavator						
	Haul Truck						
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	<u>Backhoe</u>	<input checked="" type="checkbox"/>					

A. Working Face Size and Location:

South end of Phase 7 South, left margin
Northward
No other working faces



Cover Material:

Shredder fluff and soils on outboard slope

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:				#	None	
Total Number of Wells	#	SP	Under vacuum	#	= 1	
Flow to MMSD:			#	2,500	scfm	

2,000 delivered to MMSD

Comments:

One well off line while it is being raised
MMSD has planned shutdown for later in the month

D. Surface Water Management:

Storm Events Since Last	#	3	Est. Volume	21.5"
-------------------------	---	---	-------------	-------

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

Storms through out the week until weekend.

Basins have free board Basin #1 repairs

complete, No new erosion

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Odor on Union Church, right at West end of Stockpiles

F. Liquid Loads Received:

None

G. Litter Control:

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

Comments:
 Litter on US 45 ditches & Median

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 @ 3 Mile clean except for debris in turn lane
 Site entrance patches beginning to wash out

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	9/4/2020				Form	<input type="checkbox"/>
Tonnage:	1,800 TPD					

Comments:
 MSW, soil when dry, and C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Site has been busy boxes & E-Waste container overflowing. Boxes to be emptied today

L. Other Comments:

* Gas well being raised in Northeast corner
of these 7 South Wells off line during construction
likely source of odor

* Well redrill at end of month including
horizontal trench installation

* Lidder repair on rain flap to occur
when crew finishes at other sites

Auditor's Signature: _____

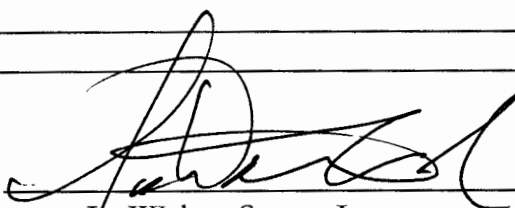
Auditor's Printed Name: _____

Management Signature: _____

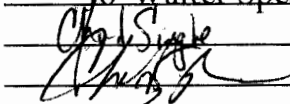
Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____



Jo-Walter Spear, Jr



Date: 9/10/2020

Date: 9-10-20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Residential Drop-off yard and gas plane





West slope of Phase 7 South, recently backdragged



West slope of Phase 7 South, recently backdragged; area around access road where most odors are discovered



West slope of Phase 7 South, recently backdragged



Working face viewed from North



Working face, lift developing on West edge of Phase 7 South



Active area



Basin #1, cleaned and control structure replaced



Temp sed basin viewed from South



Well raising at top of West slope Phase 7



West slope of Phase 7, waste placement right along West edge at top of slope



Temp sed basin viewed from the North, earth berm to separate leak from rain-flap and remainder of basin

**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 serving an NOV



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: 09/18/2020
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 September 13, 2020. The audit was performed at 11:15 AM on **September 15, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the Site Manager.

The last audit was performed on September 10, 2020

The weather conditions were sunny, clear, and drying

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 bulldozers.

Contractors were operating three excavators and two haul trucks

A) Working Face and Location

- Working face in Southwest corner of Phase 7 South, on outboard slope, end of lift across Phase 7 from North to South.
 - Current lift being developed to protect active area for future lifts to the East
- No liquid loads being accepted
 - Liquid loads will not be accepted until the site is compliant with its RD&D Permit
- Soils from site being used for cover on outboard slope

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate will be trucked from the site as well to aid in quickly returning leachate head depths to acceptable levels
 - Leachate head levels restored, some tankering out of Temp Sed Basin ongoing
 - Filter system trailer in place to reduce sediment in leachate pumped from temp sed basin
 - Temp sed basin bottom being scrapped again for contaminates from seep in rain flap

C) Gas Monitoring and Management

- Gas volume 700 cfm being destructed by flare, 1,800 cfm delivery to MMSD today
- MMSD controlling flow rates
- MMSD has been pushing back a scheduled shutdown, now set for 9/21/2020

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- D) Surface Water Management
 - Several rain events throughout August and September
 - Basins have freeboard
 - Erosion repairs ongoing as slopes receive cover
 - Vehicle traffic erosion at junction of Phase 3 and 7, West slope
- E) Odor Control
 - Autofluff and waste odors on US 45
 - No odors on Access road
- 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
 - Two pickers active on site
 - Litter minimal
- H) Vehicle Impacts
 - US 45 and Union Church clean; but dusty
 - Debris in left turn lanes
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and two contractors
 - Receiving MSW, soil project, and C&D ~1,800 TPD
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present
 - Site closed and clean
- L) Other Comments
 - All 34 gas wells that require pumps to lower liquid levels have working pumps
 - Temp Sed basin/Phase 7 rainflap repairs ongoing
 - Awaiting availability of liner crew
 - Well redrills and horizontal gas well scheduled for end of September

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 September 15, 2020 TIME 11:15
 Auditor on site at: Open Close

PREVIOUS DATE: September 10, 2020 Completed

WEATHER Clear, Sunny, drying WIND 10-15
 N E
 TEMP Maximum 79 °F Minimum 57 °F B.P. 30.25

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
1	Excavator		✓				
1	Haul Truck		✓				
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Backhoe	✓					

A. Working Face Size and Location:

Working face at South end of
Phase 6 South at very end of
Phase 7 Previous lift placed on
West edge of Phase 7 to protect
next lift



Cover Material:

Soils from site

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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			#	<i>—</i>		
Shutdowns Since Last Audit:			#	<i>0</i>		
Total Number of Wells	#	Under vacuum	#			
Flow to MMSD:	#	<i>1,800</i>	cfm	<i>700 cfm to flare</i>		

Comments:

MMSD has increased volume delivered
MMSD shutdown scheduled for 9/21/2020

D. Surface Water Management:

Storm Events Since Last	#	3	Est. Volume	<i>284</i>
-------------------------	---	---	-------------	------------

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

Basins have plenty of free board
Erosion repairs as slopes receive cover

E. Odor Control:

Odors Present:	Onsite	<input type="checkbox"/>	Offsite	<input checked="" type="checkbox"/>
----------------	--------	--------------------------	---------	-------------------------------------

Comments:

Auto fluff and waste odor on USFS

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"/>	# 2

Comments:

Pickers active in Southeast of footprint
Litter minimal

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 has debris in turn lanes, US 45 & Clavin
Church clear, but dusty

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:	7/11/2020				Form	<input type="checkbox"/>
Tonnage:	1,800 TPD					

Comments:

MWD, C&D, soil projects.

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

K.

Residential Drop Off:	Open During Audit	<input type="checkbox"/>	E-Waste Container Present	<input checked="" type="checkbox"/>
-----------------------	-------------------	--------------------------	---------------------------	-------------------------------------

Residrop-off clear, boxes mostly empty

L. Other Comments:

* All 34 wells with pumps, ~~some~~ have
working pumps to drain

* Temp sed basin rain flap repairs
ongoing

* Redfills stippl planned for end
of month

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 9/15/2020

Date: 9-15-20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



Repair Flap

Working Face

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

PROJECT NO. 1012.10030



Overview of Emerald Park Landfill from West





Erosion channels on West slope of Phase 3/7, left side of photo



Overview of landfill from West



South end of footprint viewed from West



Working face at South end of Phase 7 South



Southwest corner of Phase 7 South, working face being developed to bring lift up to current grade



Working face at very South end of Phase 7 South, bring grade up to current lift



Stockpiled cover adjacent to working face at Southwest corner of Phase 7 South



Stockpiled cover adjacent to working face at Southwest corner of Phase 7 South



Active area viewed from North, working face below visible grade



Lift along West slope of Phase 7 South, creates protected areas for future placements

**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 serving an NOV



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: 09/24/2020
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 September 20, 2020. The audit was performed at 2:13 PM on **September 23, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the Site Manager.

The last audit was performed on September 15, 2020

The weather conditions were sunny, clear, 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
- 2 bulldozers.
- 1 Water Truck

Contractors were operating:

- 1 excavator
- 1 haul truck

A) Working Face and Location

- Working face on West side of Phase 7 South, lift moving Northward across Phase
- Soils from Temp Sed Basin and Sump excavation being tipped on Phase 3, use as future cover
- Site is using Autofluff, other ADC, and soils being tipped today for cover

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate from drip legs in Phase 6 & 7 being pretreated by filter box prior to tankering offsite
 - Leachate from Sump in Phase 7 being pretreated by filter box prior to tankering offsite

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- C) Gas Monitoring and Management
 - MMSD controlling flow rates and began to take the full flow today
 - Delivery of 2,500 cfm to MMSD
 - Flare not lit during audit
- D) Surface Water Management
 - No appreciable rain events since last Audit
 - Site dry, some dust
 - Basins have freeboard and are draining, Basin #1 is dry
 - Site erosion minimal
- E) Odor Control
 - Autofluff odors on US 45; no other offsite odors detected
 - No onsite odors detected
- 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
 - Two pickers active on site
 - Large debris was noted on road edge near construction entrance
 - Site litter minimal
- H) Vehicle Impacts
 - US 45 and Union Church clean; but dusty
 - Site roads are dusty, water truck was being filled during audit
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and two contractors
 - Receiving MSW, soil project, ADCs, and C&D ~2,000 TPD
- J) Rejected Loads
 - None
- K) Residential Drop Off
 - E-Waste Container present and overflowing
 - Site closed and being cleaned during audit
- L) Other Comments
 - Gas well redrills and replacement along with other gas improvements is scheduled for September 29, 2020.
 - Rain flap repair awaiting liner crew to arrive on site
 - Site investigating sump conditions at Northwest Sump of Phase 7 South.
 - To investigate the sump is being excavated and leachate is being pumped through filters to tanker. The exposed sump is a source of potential odors

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 September 23, 2020

TIME 2:13

Auditor on site at: Open Close

PREVIOUS DATE: September 15, 2020 Completed

WEATHER Clear, Sunny, dry

WIND 0-10 mph
 N E

TEMP Maximum 79 °F Minimum 56 °F B.P. 30.06

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
1	Excavator		✓				
1	Haul Truck		✓				
1	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 South. Lift moving
Northward across Phase,
Soils from Temp Sed basin being
tipped on Phase 3.



Cover Material:

Autofluff & ADC

Soils being tipped for future cover

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

Phases:

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Blowers in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Flare use since last audit			#	Up to 1 today		
Shutdowns Since Last Audit:			#			
Total Number of Wells	#	All	Under vacuum	#	All	
Flow to MMSD:	#	2,500	cfm			

Comments:

MMSD taking full volume of gas today

D. Surface Water Management:

Storm Events Since Last	#	5	Est. Volume	
-------------------------	---	---	-------------	--

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

Site dry, roads dry

Basins draining and drying

Erosion minimal

E. Odor Control:

Odors Present:	Onsite	<input type="checkbox"/>	Offsite	<input checked="" type="checkbox"/>
----------------	--------	--------------------------	---------	-------------------------------------

Comments:

Autofluff odor on USFS, no other offsite odors

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 checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Pickers Active:	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

Large debris on road side & ditches
 Site litter minimal

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 Dusty, but clean. Union Church
 clean, Site roads dusty

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:	Last week				Form	<input type="checkbox"/>
Tonnage:	2,000 tpd					

Comments:

MSA, Soils, chiller fluff, and CRT

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		No
2.		

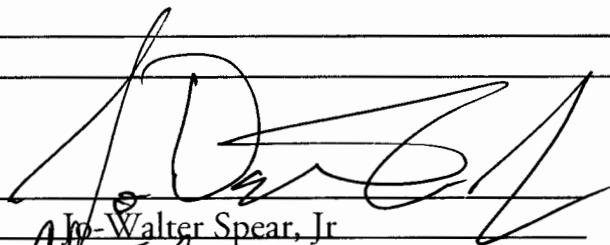
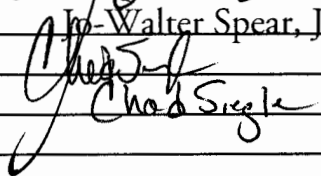
K. Residential Drop Off: Open During Audit E-Waste Container Present

Site being cleaned during audit
 and boxes being emptied. E-waste overflowing

L. Other Comments:

* Gas well redrills and replacement starts Sept. 29, 2020

* Site investigating sump in Northwest of Phase 7 South North Excavating sump and draining to investigate, Potential source of odors during ~~that~~ investigation

Auditor's Signature:		Date: 9/25/2020
Auditor's Printed Name:	Walter Spear, Jr	
Management Signature:		Date: 9-25-20
Management Printed Name:	Chad Siegle	
Management Title:		
JSA Principal Signature:		Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Phase 3 viewed from the West at a distance, new soils from cleaning up temp sed basin in center of photo, dark soil





Phase 3 & 7 viewed from a distance and the West



Phase 7 viewed from a distance and the West



Working face in distance, viewed from North



Working face in distance, viewed from North



East portion of Phase 7, viewed from North, working face and new lift to the right of picture



Temp sed basin, clean and dry



Temp sed basin, clean and dry



Temp sed basin, clean and dry



View North into Temp Sed Basin



West slope of Phase 7



West slope of Phase 7



Excavation to sump, materials being placed in working face and covered



Sump at Northwest Corner of Phase 7 South, being investigated for issues.
Excavation to bottom of cell will be a potential odor source



Exposed rainflap, awaiting liner crew for repairs.

**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

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: 10/14/2020
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 September 27, 2020. The audit was performed at 3:05 PM on **September 30, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the Operations Manager.

The last audit was performed on September 23, 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
- 2 bulldozers.

Contractors were operating:

- 1 excavator
- 1 haul truck

A) Working Face and Location

- Working face at South end of Phase 7 South, bringing new lift Northward
- No other working faces
- Site is using Autofluff and other ADC

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Leachate from drip legs in Phase 6 & 7 being pretreated by filter box prior to tankering offsite
 - Leachate from Sump in Phase 7 being pretreated by filter box prior to tankering offsite

C) Gas Monitoring and Management

- MMSD controlling flow rates
- Delivery of 1,400 to 1,500 cfm to MMSD
- Flare destroying 700-800 cfm

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Shutdowns over weekend, successful auto-restarts
- D) Surface Water Management
 - Storms over weekend and beginning of the week.
 - Basins have plenty of freeboard
 - Minimal new erosion
- E) Odor Control
 - Minor gas odor on US45 near Union Church intersection
 - No onsite odors detected
- 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
 - Two pickers active on site
 - Site relocated fences to reduce litter
 - Site litter minimal
- H) Vehicle Impacts
 - US 45 and Union Church clean and turn lanes clean
 - Site roads are dusty, entrance patched with crushed stone
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and two contractors
 - Receiving MSW, soil project, ADCs, and C&D ~1,800 TPD
- J) Rejected Loads
 - 9/29/2020 – Rolloff rejected to tires hidden in load
- K) Residential Drop Off
 - E-Waste Container present
 - Site closed during audit, boxes mostly empty, and site clean
- L) Other Comments
 - Contractor on site drilling new gas wells, with drill rig
 - Rain flap repair awaiting liner crew to arrive on site
 - Contractor restoring sum in Northwest corner of Phase 7 South. Sump being cleaned by hydraulic equipment

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 September 30, 2020

TIME 3:05 PM

Auditor on site at: Open Close

PREVIOUS DATE: September 23, 2020 Completed

WEATHER Clear, high clouds, dry WIND 10-25 MPH
 S E W

TEMP Maximum 58 °F Minimum 44 °F B.P. 29.50

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	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 South end of Phase 7
South, bringing new light
Northward
No other Working face



Cover Material:

Autofluff & ADC

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

Phases:

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	7
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	7
Flare use since last audit	# 9/29/2020			
Shutdowns Since Last Audit:	# 2-3			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 1400-1,500 cfm		Total 2,200	

Comments:

Shutdowns over weekend, successful restarts under Auto, MMSD limiting flows

D. Surface Water Management:

Storm Events Since Last	# 3	Est. Volume	2.54
-------------------------	-----	-------------	------

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

Storms over weekend and beginning of week. Basins have plenty of free board and minimal erosion

E. Odor Control:

Odors Present:	Onsite <input type="checkbox"/>	Offsite <input checked="" type="checkbox"/>
----------------	---------------------------------	---

Comments:

Mild gas odor on UBTs near Union Church

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"/>	# 2

Comments:

Litter minimal due to fence relocation

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 of Union Church clean, Turn lanes cleared
 Site roads dusty, entrance patched with stone

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Random Load Inspection Dates:	9/29/2020			Form <input type="checkbox"/>
Tonnage:	1,800 TPD			

Comments:

MSW, ~~LA~~ small soil volume, CTD, and ADC

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.	2/19/2020	Tires hidden in roll off
2.		

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

Boxes mostly empty and site clean

L. Other Comments:

* Contractor on site drilling new wells with survey rig.

* Contractor restoring Sump in Northwest corner of Phase 7 Sump being vacuumed by hydraulic equipment.

* Liver crew scheduled date awaiting

Auditor's Signature: _____

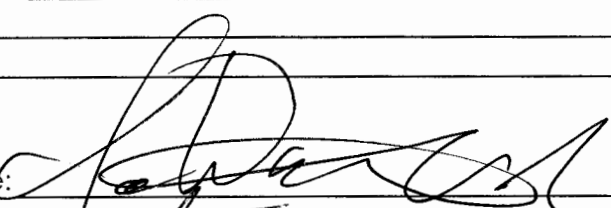
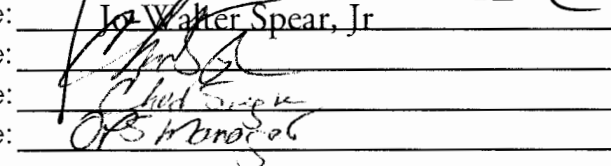
Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

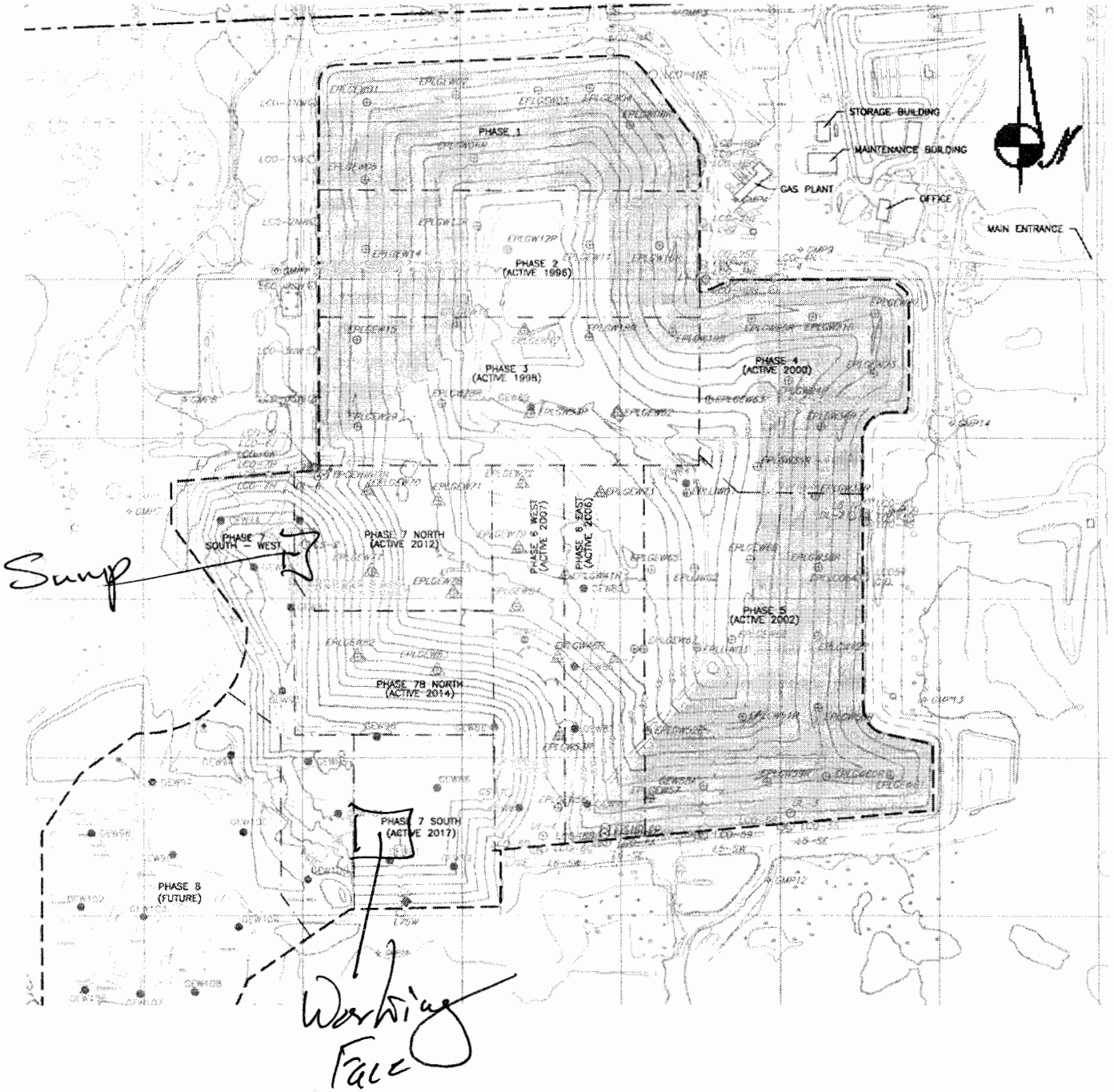

Walter Spear, Jr.

JSA Principal

Date: 9/30/2020

Date: 9-30-20

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Rig in center of Phase 7 placing well.





Phase 3 & 7 viewed from a distance and the West



Phase 7 viewed from a distance and the West



Phase 7 South West slope redressed.



Phase 7 South West slope redressed.



Phase 7 South, view from North, lift on West (right) side creating a windbreak



Phase 7 South, view from North, lift on West (right) side creating a windbreak



Active area



Active area



Phase 7 sump exposed by excavation



Temp sed basin, rain flap of Phase 7 exposed for repairs, awaiting scheduling of liner crew



Excavation to sump adjacent to temp sed basin

**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 serving an NOV



**Advanced
Disposal**

October

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: ~~XXXXXX~~ 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 4, 2020. The audit was performed at 12:40 PM on **October 9, 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 September 30, 2020

The weather conditions were clear skies, with high clouds, sunny, 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
- 2 bulldozers
- 1 Water Truck

A) Working Face and Location

- Working face at South end of Phase 7 South, East and adjacent of previous lift placed along West slop of Phase 7 South, protecting area from winds
- No other working faces
- Site is using Autofluff 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

- MMSD controlling flow rates
- Shutdown on 10/09/2020 due to high oxygen content
- System repaired and restored by end of day, 10/09/2020

D) Surface Water Management

- Basins appear to be well drained

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Litter removed in shallow areas since previous audit
 - Site very dry
- E) Odor Control
- No odors detected on or off site
 - Auditor did not have access to active area or access road
- 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 pickers active on site
 - Site relocated fences prior to high winds to reduce litter
 - Site litter minimal
- H) Vehicle Impacts
- US 45 and Union Church clean and turn lanes clean
 - Site roads are dusty, entrance patched with crushed stone
 - Water truck active to address dust conditions during audit
- I) Inspection of Incoming Waste
- Site operating with three equipment operators and two contractors
 - Receiving MSW, soil projects, and C&D ~1,800 TPD
- J) Rejected Loads
- None
- K) Residential Drop Off
- E-Waste Container present
 - Site very active during audit
 - Boxes reaching capacity and site clean
- L) Other Comments
- All vertical wells installed and piped to surface. Connections to system and application of vacuum to occur in following week.
 - Construction of 800 foot horizontal gas collection trench planned for next week
 - Rainflap repair scheduling ongoing

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 9, 2020 TIME 12:40 PM
 Auditor on site at: Open Close

PREVIOUS DATE: September 30, 2020 Completed

WEATHER Clear, Sunny, dry - high clouds WIND 10-35 MPH
 N E W

TEMP Maximum 79 °F Minimum 61 °F B.P. 29.92

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
	Excavator						
	Haul Truck						
1	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face at Southern end 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

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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:

Shut down on 10/09/2020 due to high oxygen content. System repaired and restored by
end of day 10/09/2020.

D. Surface Water Management:

Storm Events Since Last	# <u>0</u>	Est. Volume	<u>0</u>
-------------------------	------------	-------------	----------

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

Basins appear to be well drained, litter removed in shallow areas since last audit

Site very dry

E. Odor Control:

Odors Present:	Onsite <input type="checkbox"/>	Offsite <input type="checkbox"/>
----------------	---------------------------------	----------------------------------

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 very well controlled in high winds, manager states fences were relocated prior to wind shift and speed increase. Litter minimal

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. Site roads dry, but with minimal dust; water truck active during audit. 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:	10/08/2020			Form <input type="checkbox"/>
Tonnage:	1,800 TPD			

Comments:

MSW, C&D, and some soil projects

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

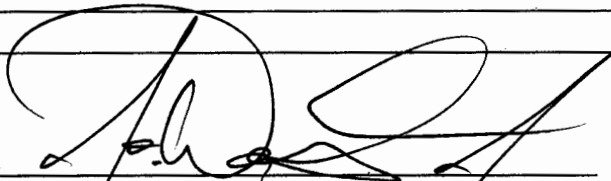
K. Residential Drop Off: Open During Audit E-Waste Container Present

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

L. Other Comments:

- * All vertical wells completed and piped to surface. Connections to system and application of vacuum to occur the following week.
- * Construction of Horizontal collection trench/well to occur the following week.
- * Rainflap repair scheduling ongoing

Auditor's Signature: _____




Date: 10/12/2020

Auditor's Printed Name: _____

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

Management Signature: _____



Date: 10/22/20

Management Printed Name: _____

Daniel Otzelberger

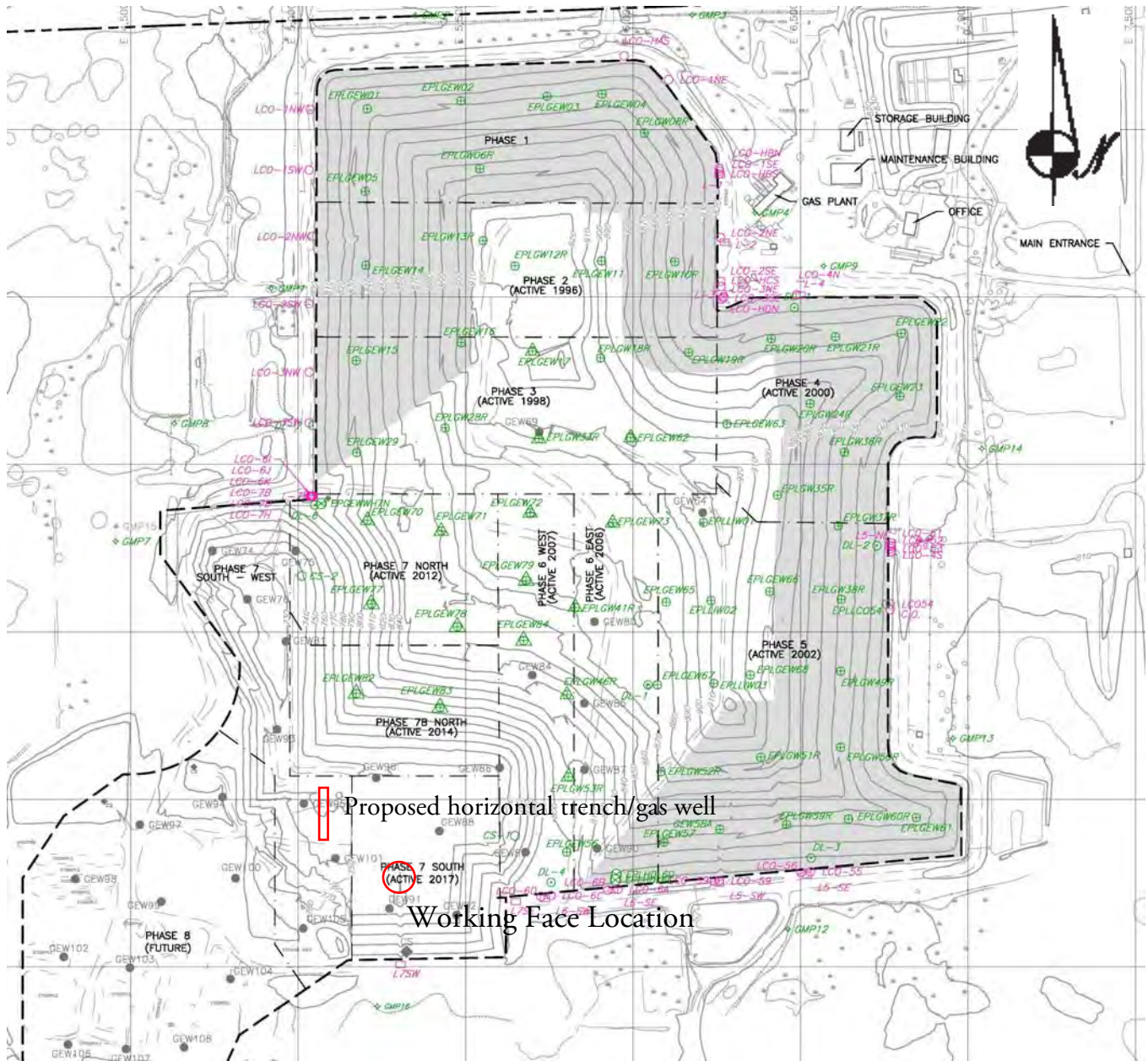
Management Title: _____

GM

JSA Principal Signature _____

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Phase 3, erosion from haul truck activities on West slope





Phase 3 & 7 viewed from a distance and the West, note erosion on "left" of image from haul truck travel



Phase 7 viewed from a distance and the West



East slope of Phase 1, view of bio and direct soils



Erosion in back ground from vehicle travel



Erosion from the travel of vehicles on the slope of Phase 4



Drill rig in Phase 7 placing replacement gas well

**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

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.		

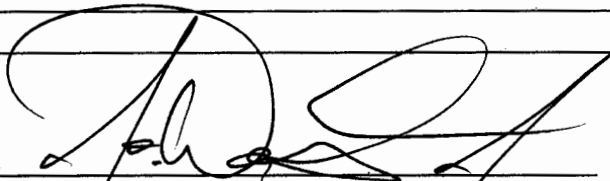
K. Residential Drop Off: Open During Audit E-Waste Container Present

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

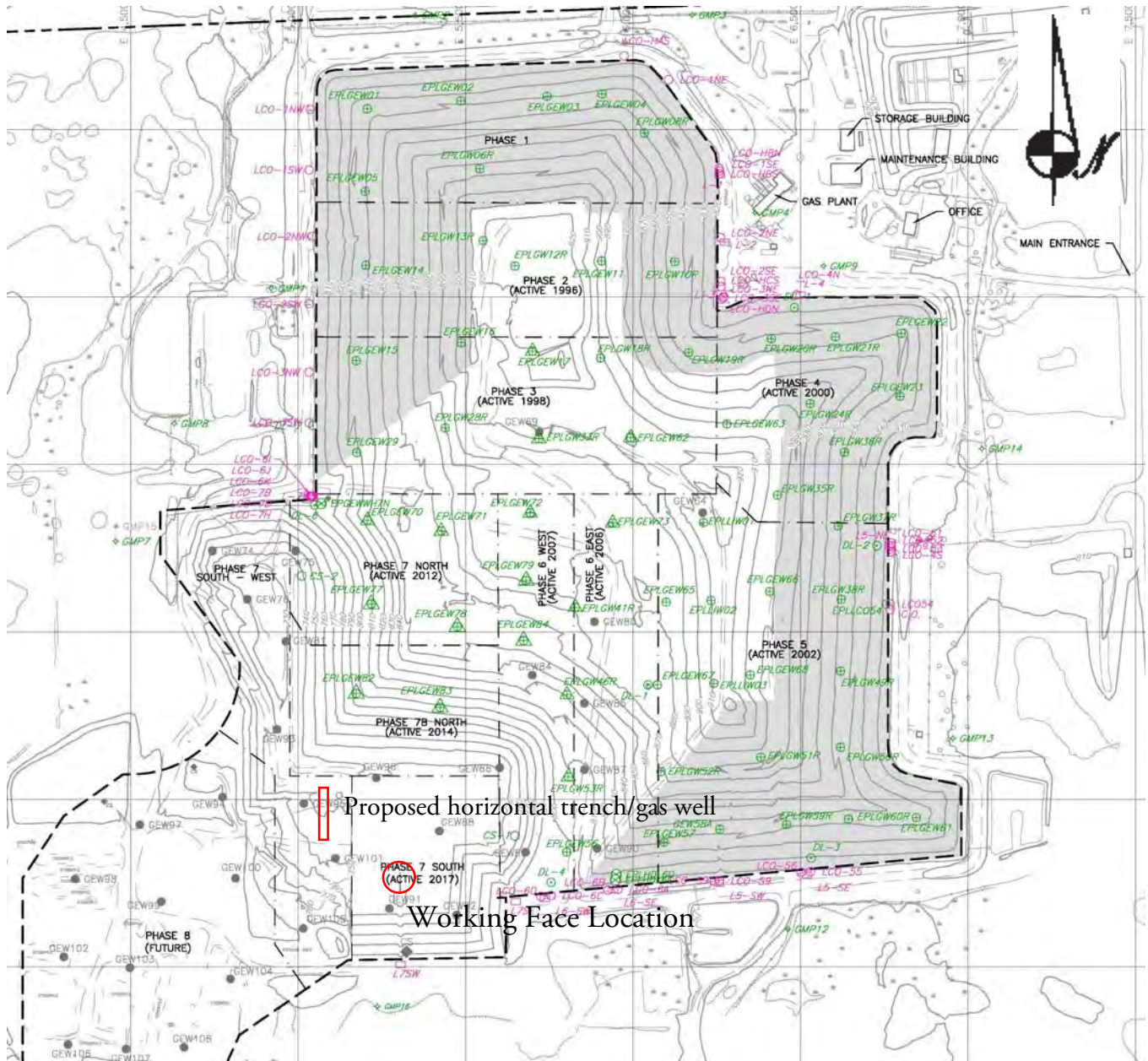
Management Title: _____

GM

JSA Principal Signature _____

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



**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

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 18, 2020. The audit was performed at 12:35 PM on **October 21, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the Operations Manager.

The last audit was performed on October 16, 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
- 2 bulldozers.

Contractors were operating:

- 1 excavator
- 2 haul truck
- 1 bulldozer

A) Working Face and Location

- Working face at South end of Phase 7 South, bringing new lift Northward
- Cover being added on previous lift to the West
- No other working faces
- Site is using Autofluff and site soil

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - Site finished with the use of filter boxes at drip legs and temp sed basin

C) Gas Monitoring and Management

- MMSD controlling flow rates
- Delivery of 1,300 cfm to MMSD

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Total destruction volume 2,500 cfm; substantial increase after well placements
 - No Shutdowns since last audit, except for connections
- D) Surface Water Management
- Sprinkling rain since last audit.
 - Basins have plenty of freeboard
 - Temp sed basin fully restored and regraded
- E) Odor Control
- No offsite odors detected
 - No complaints received since last audit
 - No onsite odors detected
- 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
 - Two pickers active on site
 - Site litter minimal
- H) Vehicle Impacts
- US 45 clean except for turn lanes which have debris
 - Union Church clean
 - Site roads are gritty, entrance patched with crushed stone
- I) Inspection of Incoming Waste
- Site operating with three equipment operators and two contractors
 - Receiving MSW, sludges, ADCs, and C&D ~1,800 TPD
- J) Rejected Loads
- No rejected loads
- K) Residential Drop Off
- E-Waste Container present
 - Site closed during audit, boxes mostly empty, and site clean
- L) Other Comments
- Travelway erosion in Phases 4 & 3, Northeast and West slopes respectively
 - Sump restored and will be covered
 - Rainflap restored and slope reconstructed, access road added to West side of Phase 7, toe of slope
 - Gas improvements completed and horizontal collection well being connected to vacuum during audit
 - New lines connected over Phase 5 to restore vacuum on East side of footprint

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 21, 2020
 Auditor on site at: Open Close

TIME 12:35 PM

PREVIOUS DATE: October 16, 2020 Completed

WEATHER Overcast with sun, very dry WIND 0-10 MPH
 N E W

TEMP Maximum 51 °F Minimum 42 °F B.P. 30.18

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	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 South end of Phase 7 South
cover being improved over previous
lift during audit



Cover Material:

Shredder fluff, site soil

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	# Cont			
Shutdowns Since Last Audit:	#			
Total Number of Wells	#	Under vacuum	#	
Flow to MMSD:	#	1,300	cfm	2,800 cfm

Comments:

MMSD controlling flows

Increase in conjunction with new wells

D. Surface Water Management:

Storm Events Since Last # 1 Est. Volume 2

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

Sprinkling rain since last audit

Basins drained Temp Sed basins restored

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No odors

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

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 43 clear except for turn lanes

Site roads gritty, 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 checked="" type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:					10/14/2020	Form <input type="checkbox"/>
Tonnage:	1,300 TPD					

Comments:

MSW, sludges, C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Boxes mostly empty, site clean

L. Other Comments:

* travelway erosion on Phase 4 & 3

* Sump restored

* Rain flap restored and slope reconstructed.

* Gas improvements completed. Horizontal well completed to Vacuum today

* New lines connected over Phases to restore vacuum.

Auditor's Signature: _____

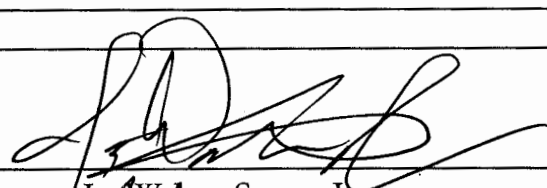
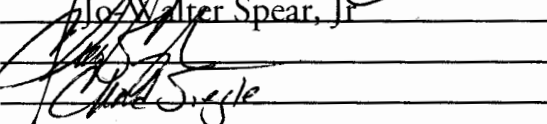
Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 10/21/2020

Date: 10/21/2020

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Overview of Phase 7, West edge and temp sed basin, viewed from North





Restored and filled sump in Phase 7



Excavation of soils as needed for construction of road and possibly cover



Rainflap repair complete, contractor placing road at base of slope



Run of rainflap repaired and temp sed basin regraded



Sump backfilled with stone, more stone will be placed and then cover placed over



Previous lift along West slope of Phase 7, creates a protected area for current waste placement



Working face in South end of Phase 7, offset from top of West slope



Working face in South end of Phase 7, offset from top of West slope



Phase 7 South, viewed North to South



High point in Phase 3, on top of soils

**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 serving an NOV

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: 11/11/2020
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 25, 2020. The audit was performed at 2:40 PM on **October 28, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the Operations Manager.

The last audit was performed on October 21, 2020

The weather conditions were clear skies, bright, sunny, 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
- 2 bulldozers
- 1 excavator

Contractors were operating:

No contractors

A) Working Face and Location

- Working face moving North across Phase 7 South
- No other working faces
- Site is using Autofluff
 - Abundance of autofluff stockpiled

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- MMSD controlling flow rates
- Delivery of 1,300 cfm to MMSD
- Total destruction volume 2,300 cfm
- Three new wells not yet connected, including trench well
- No Shutdowns since last audit, except for connections

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- D) Surface Water Management
 - Heavy rains at end of last week. Site and site basins draining.
 - Basins have plenty of freeboard
- E) Odor Control
 - No offsite odors detected
 - No complaints received since last audit
 - Autofluff odor in parking lot
- 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 pickers active on site
 - Site litter mostly at toe of slopes
- H) Vehicle Impacts
 - US 45 clean except for turn lanes which have debris
 - Union Church clean
 - Site roads are gritty, entrance patched with crushed stone
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and two contractors
 - Receiving MSW and C&D ~1,500 TPD
- J) Rejected Loads
 - No rejected loads
- K) Residential Drop Off
 - E-Waste Container present
 - Site closed during audit, half of boxes are full, and site clean
- L) Other Comments
 - Three wells, including trench well, to be connected to vacuum system tomorrow
 - As new wells connected they have a SOP process to go through before vacuum can be maximized on each well.
 - Access road at toe of Phase 7 slope completed allowing access about West side of Phase 7

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 28, 2020
 Auditor on site at: Open Close

TIME 2:40 PM
Start of odor test

PREVIOUS DATE: October 21, 2020 Completed

WEATHER Clear, bright, sunny, and dry WIND S-15 (SW-SE)
 N S E W

TEMP Maximum 50 °F Minimum 35 °F B.P. 30.04

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
<u>1</u>	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 making path across these
7 South.
No other working faces



Cover Material:

Autoflag

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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:			#	0		
Total Number of Wells	#	All-3	Under vacuum	#	All-3	
Flow to MMSD:	#	1,300	cfm	flare ~ 1,000 cfm		

Comments:

Consistent gas destruction MMSD controlling flare
Three new wells awaiting connection

D. Surface Water Management:

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

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

Heavy rains at end of last week. Site and site basins draining, basins have plenty of free board

E. Odor Control:

Odors Present:	Onsite	<input type="checkbox"/>	Offsite	<input checked="" type="checkbox"/>	No offsite
----------------	--------	--------------------------	---------	-------------------------------------	------------

Comments:

Autoflag odor in parking lot
No onsite otherwise

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

Comments:

Litter in US 45 ditch.
 Minor litter at toe of Slopes

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 clear except for left turn lanes
 Union Church clear. Site roads gritty

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
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:					#10/21/2020	Form <input type="checkbox"/>
Tonnage:	1,600 TAD					

Comments:

Mud, No Asbestos, C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

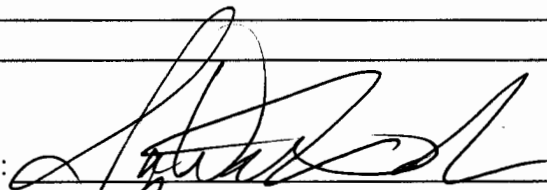
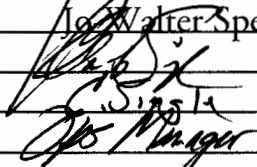
half of the boxes full.
 Site clear

L. Other Comments:

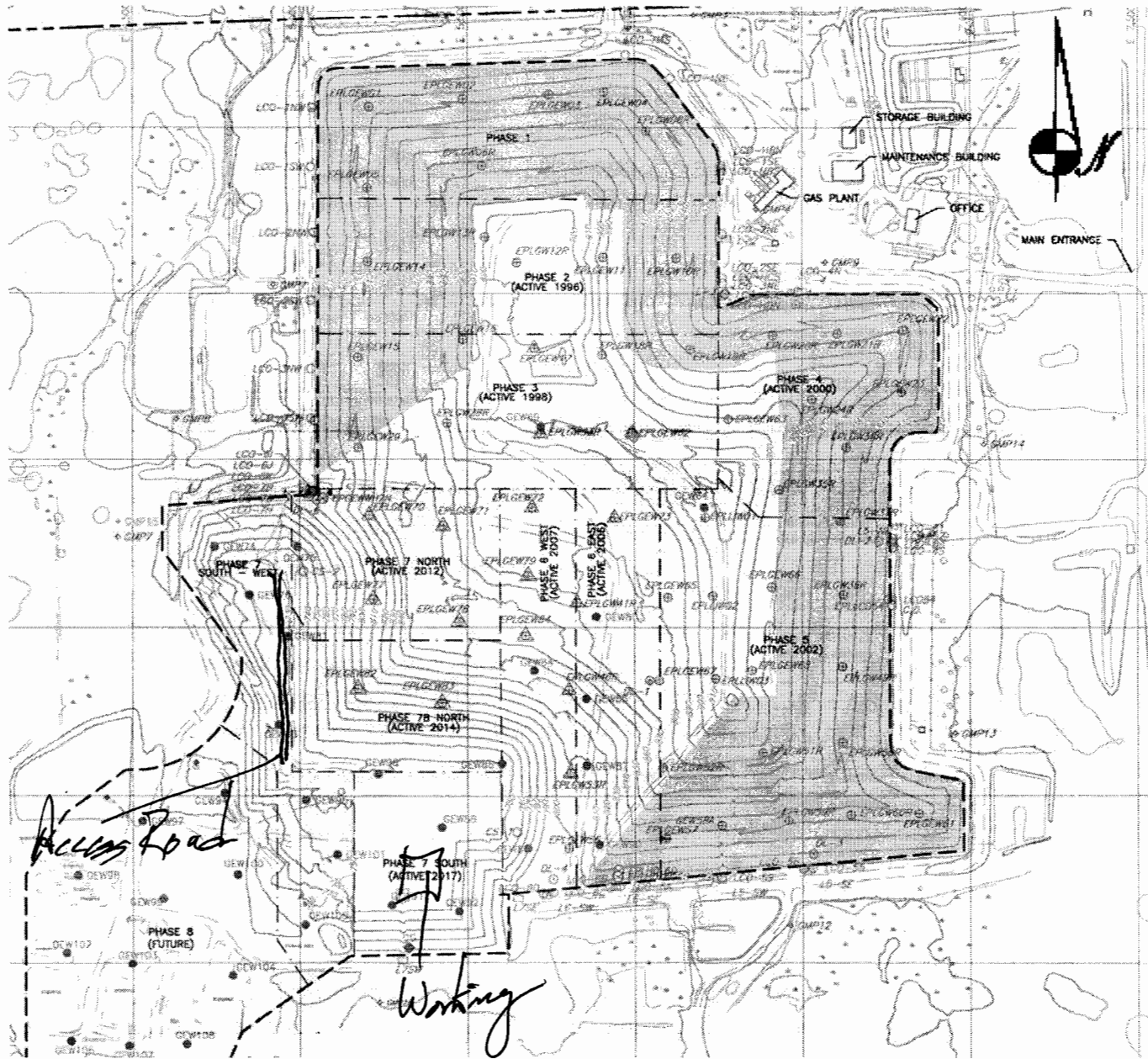
* Two of the new wells not connected to system at this time, trench collector to be connected and wells tomorrow.

* As wells are connected vacuum will be increased over time

* Access road at base of these 7 completed

Auditor's Signature:		Date: 10/28/2020
Auditor's Printed Name:	Joe Walter Spear, Jr	
Management Signature:		Date: 10-28/20
Management Printed Name:	J. S. Sigala	
Management Title:	Ops Manager	
JSA Principal Signature:		Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



Gas techs adjusting connections at new well and trench well connections





Working face filling in adjacent to yesterdays waste placement, wind protected by previous lift



Working face at South end of Phase 7, viewed from the North. Abundance of autofluff ADC stockpiled



Temp sed basin viewed from the South, reshaped for better protection of rain-flap



Rain flap and sump repair completed on West toe of slope, Phase 7



Rain flap and sump repair completed on West toe of slope, Phase 7



Rain flap and sump repair completed on West toe of slope, Phase 7



West slope of Phase 7



New access road about Phase 7 South toe of slope, protects rain flap



Temp sed basin reformed, access road about toe of Phase 7 slope complete

**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



**Advanced
Disposal**

November

JSA Environmental

GFL 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: 11/11/2020
PROJECT NUMBER: 1012.10030

On Monday November 2, 2020 Green For Life Environmental, Inc. (GFL) acquired the Emerald Park Landfill from Advanced Waste, via the sale of Advanced to Waste Management. For purpose of auditing and committee meetings there does not appear to be a change in active staff from the landfill or regional support.

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

Attached is the audit report for activities at the GFL Emerald Park Landfill for the week of November 1, 2020. The audit was performed at 2:48 PM on **October 28, 2020** by Jo Spear, Jr.; in the presence of Dan Otzelberger; the Regional Manager.

The last audit was performed on October 28, 2020

The weather conditions were clear skies, sunny, 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
- 2 bulldozers

Contractors were operating:

No contractors

A) Working Face and Location

- Working face in Southeast corner of Phase 7 South
- No other working faces
- Site is using Autofluff and soils
 - Abundance of autofluff stockpiled

B) Leachate Management

- Leachate being pumped to MMSD treatment

C) Gas Monitoring and Management

- MMSD controlling flow rates
- Delivery of 1,200 cfm to MMSD

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Total destruction volume 2,450 cfm
 - All wells connected and SOP completed, vacuum regularly checked on all wells
 - No Shutdowns since last audit
- D) Surface Water Management
- No rain since last audit and conditions have been dry
 - Basins about half full
 - Erosion Minimal
- E) Odor Control
- No offsite odors detected
 - Onsite odor, faint gas at access road
- 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 pickers active on site
 - Litter in roadside ditches of US 45
 - Some blown litter on site
- H) Vehicle Impacts
- US 45 clean
 - Union Church clean
 - Site roads rough and entrance potholed
- I) Inspection of Incoming Waste
- Site operating with three equipment operators and two contractors
 - Receiving MSW and C&D ~1,000 TPD
 - Waste management acquired the roll off portion of the Advanced Hauling company. This will lower waste volumes for a period of time.
- J) Rejected Loads
- No rejected loads
- K) Residential Drop Off
- E-Waste Container present
 - Site open during audit, moderately active, and site clean
- L) Other Comments
- Rain flap damaged by equipment operator, repaired immediately
 - As new wells connected
 - NOV revoked as of November 5, 2020; letter attached.

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 November 6, 2020

TIME 2:48

Auditor on site at: Open Close

PREVIOUS DATE: October 28, 2020 Completed

WEATHER Clear, Sunny, and dry WIND S-15 MPH
 N 5 E W

TEMP Maximum 71 °F Minimum 52 °F B.P. 30.11

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

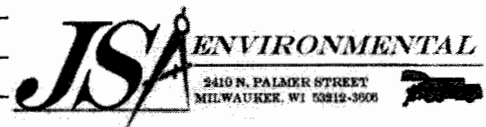
No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in Southeast corner
of Phase 7B. No other
working faces on site



Cover Material:

Soils and auto fluff

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	# Cont			
Shutdowns Since Last Audit:	# 0			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	# 2,450	cfm		

- half to flare

Comments:

Gas volume up and destruction consistent. Vacuum managed

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	
-------------------------	-----	-------------	--

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

Dry conditions. Basins about half full. Erosion minimal

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Spare trace of gas on access road

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

Comments:

Edge of on roadside,
Some blown litter

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 1/2 mile away
Site roads rough, entrance path holed

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:	NA				Form	<input type="checkbox"/>
Tonnage:	1,000 TPD					

Comments:

MWD, (3), volume loaded by GFL & WM transfer

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Site clean, moderately active

L. Other Comments:

* Rain flap damaged and repaired this week

* All gas connections in place and operating

* Now removed GFH showing the document

Auditor's Signature:

Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature:

Jo-Walter Spear, Jr
David Otzelberger

Jo-Walter Spear, Jr

David Otzelberger

GM.

Date: ~~10/28/2020~~

Date: 11/6/20

Date: _____

11/6/2020

Advanced Disposal Emerald Park Landfill Audit Map





November 5, 2020

File Ref: FID 268244130
Waukesha Co.

Via email - Daniel.Otzelberger@gflenv.com

Mr. Daniel Otzelberger
Emerald Park Landfill, LLC
W124 S10629 South 124th Street
Muskego, WI 53150

Subject: Notice of Violation Closeout – June 12, 2020

Dear Mr. Otzelberger:

On June 12, 2020, the Department of Natural Resources (department) sent Emerald Park Landfill (EPL) a Notice of Violation alleging violations at the Emerald Park Landfill (license #3290) located at W124 S10629 South 124th Street, Muskego, Wisconsin. On June 29, 2020, an enforcement conference was held to discuss the allegations.

EPL has taken the following actions to regain compliance with its plan of operation and NR 500-538, Wis. Adm. Code:

- Aggressively removed leachate from all phases of the landfill to reduce leachate head on the liner to allow for gravity drainage from the facility. However, leachate levels in Phase 6 East remain elevated with leachate levels in LH-14 at approximately 3.24 feet (from a previous peak of 7.13 feet). EPL continues to aggressively remove leachate from Phase 6 East to further reduce leachate heads on the liner.
- Removed and disposed of impacted stormwater and soil from the temporary pond area and sedimentation basin.
- Repaired/replaced leachate collection pumps and other parts of the leachate extraction operating system as needed.
- Cleaned and televised all leachate collection lines except for two blockages. A specialized jetting nozzle has been shipped to the site and will be used to jet these areas by November 15, 2020.
- Obtained third-party weekly leachate head level readings at all leachate headwells with the landfill. Readings will continue to be taken weekly through the remainder of 2020.
- Submitted an expedited plan modification which requires third-party environmental monitoring and reporting for groundwater monitoring wells, private water supply wells, gradient control structure monitoring, leachate characteristic monitoring, leachate head level monitoring, and surface water monitoring locations.
- Performed third-party leachate head level monitoring evaluations at all Advanced Disposal Services landfills in Wisconsin to confirm reported leachate head well data.
- Performed third-party evaluations of reported leachate volumes removed and treated at all Advanced Disposal Services landfills in Wisconsin to confirm leachate was not being stored within the landfills.

Based on these actions and the information provided in the June 25, 2020, and October 7, 2020, responses to the department's notice of violation, the department has determined that EPL has substantially returned to

compliance and is closing out the Notice of Violation. The department reserves the right to reconsider this decision if future violations occur, if progress does not continue or if new information regarding the violations becomes available. We appreciate the work completed to date to resolve this issue.

As you are aware, the addition of outside liquids had been terminated due to significant leachate heads on the liner per NR 514.10(3)(c), Wis. Adm. Code. As indicated in the department's June 12, 2020 Notice of Violation, EPL would need to submit a revised research, development and demonstration plan modification to the department for review and approval prior to resuming liquids addition. The plan would need to include a summary of the investigation EPL has performed of the elevated leachate heads on the liner and propose changes to the plan to prevent the situation from occurring in the future. If you have questions regarding the plan modification, please contact Ann Bekta at ann.bekta@wisconsin.gov or 608-743-4845.

If you have questions regarding this letter, please contact me at 608-279-5219 or pamela.buss@wisconsin.gov.

Sincerely,



Pamela Buss
Environmental Enforcement Specialist

Via email cc: Ann Bekta – DNR
David Buser - DNR
Cynthia Moore – DNR
Tim Curry –Region Landfill Manager - tim.curry@gflevn.com
Kari Rabideau – kari.rabideau@gflevn.com

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

PROJECT NO. 1012.10030



Western view of GFL Emerald Park Landfill





West slope of Phase 7



Resi-drop off



South slope of Phase 7 South and Phase 6, recently dressed with cover



Drip leg work at North end of Phase 7 South, tanker not in use



Access road with trench well on right hand side for gas collection



Travelway with stone to improve travel conditions across Phase 7



Travelway with stone to improve travel conditions across Phase 7



Active area viewed from the North



Active area in Southeast corner of Phase 7 South, abundance of autofluff for daily cover stockpiled



Temp sed basin viewed from the South



Rainflap exposed and repair at Northwest corner of Phase 7



West slope of Phase 7



Repaired rainflap, base of Phase 7 South, to be covered



Restored sump at base of Phase 7 Slope

**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	11/06/2020	153	Site management addressing issue
2	05/28/2020	Leachate elevations above maintenance levels	POO & RD&D Permit	ASAP	11/06/2020	153	Site management addressing issue, DNR serviing an NOV

JSA Environmental

GFL 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: 11/16/2020
PROJECT NUMBER: 1012.10030

On Monday November 2, 2020 Green For Life Environmental, Inc. (GFL) acquired the Emerald Park Landfill from Advanced Waste, via the sale of Advanced to Waste Management. For purpose of auditing and committee meetings there does not appear to be a change in active staff from the landfill or regional support.

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

Attached is the audit report for activities at the GFL Emerald Park Landfill for the week of November 8, 2020. The audit was performed at 12:20 PM on **November 13, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the Site Manager.

The last audit was performed on November 6, 2020

The weather conditions were bright sun and clear

Landfill Operations Audit:

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

The operation required the use of:

- 1 compactor
- 2 bulldozers
- 1 Excavator
- 1 Haul Truck

Contractors were operating:

- SCS conducting a waste sort
- ESC conduction surface scan

A) Working Face and Location

- Working face in Southeast corner of Phase 7 South
- No other working faces
- Site is using Autofluff and other ADC

B) Leachate Management

- Leachate being pumped to MMSD treatment

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- C) Gas Monitoring and Management
 - No delivery to MMSD due to damaged meter
 - Total destruction volume 2,400 cfm
 - One shutdown on 11/10/2020 due to power outage
- D) Surface Water Management
 - One massive storm since previous audit
 - No evident damage other than record of power outage
 - Basins about half full and drying
 - Erosion Minimal
- E) Odor Control
 - No odors detected on or off site.
- 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
 - Litter minimal, picking after 11/10 storm completed prior to audit
- H) Vehicle Impacts
 - US 45 clean
 - Union Church clean
 - Site roads clean
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and two contractors
 - Receiving MSW and C&D ~1,000 TPD
 - Waste management acquired the roll off portion of the Advanced Hauling company. This will lower waste volumes for a period of time.
- J) Rejected Loads
 - No rejected loads
- K) Residential Drop Off
 - E-Waste Container present
 - Site open during audit, very active, and site being cleaned during audit
- L) Other Comments
 - SCS conducting a waste study for the DNR, they will on site until 11/16/2020.
 - ESC conducting standard surface scan throughout the day, no alerts as of audit.
 - Telemetry work on going, awaiting materials.

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 November 13, 2020
 Auditor on site at: Open Close

TIME 12:20

PREVIOUS DATE: November 6, 2020 Completed

WEATHER Bright sunny, clear WIND S-20 MPH
 TEMP Maximum 38 °F Minimum 26 °F B.P. 30.18

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
<u>1</u>	Excavator						
<u>1</u>	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 site South end of
Phase 2 South

Sampling area for waste study on
North side of previous lift
opposite working face



Cover Material:

3 ADC for cover

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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			#			7
Shutdowns Since Last Audit:			#			11/10/2020
Total Number of Wells	#	All	Under vacuum	#	All	
Flow to MMSD:	#	2,400	cfm			

Comments:

Power outage damage prevents delivery. Repairs ongoing

D. Surface Water Management:

Storm Events Since Last	#	6	Est. Volume	>1"
-------------------------	---	---	-------------	-----

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

Massive storm on 11/10/2020 causing power outage. No erosion damage. Site dry

E. Odor Control:

Odors Present:	Onsite	<input type="checkbox"/>	Offsite	<input type="checkbox"/>
----------------	--------	--------------------------	---------	--------------------------

Comments:

No odors

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.

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

USHS & 8 Mile clear
Site roads clear

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
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:	11/05/2020			Form <input type="checkbox"/>
Tonnage:	<u>< 1,000 TONS</u>			

Comments: MWD, Waste load due to
WM receiving Advanced contracts

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<u>None</u>
2.		

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

Site busy, being cleared during audit.

L. Other Comments:

* ESC Conducting Surface scan
* SES Conducting Waste sort
until Monday
* Telemetry work ongoing

Auditor's Signature: _____

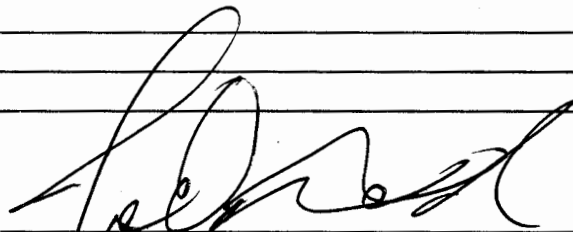
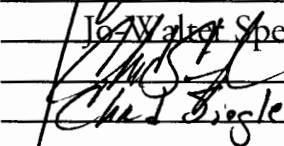
Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____


Joe Walter Spear, Jr.

Chad Biagle

Date: 11/12/2020

Date: 11-12-2020

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



Working
Foco

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

PROJECT NO. 1012.10030



Sampling and sorting area for SCS operated waste sort





Soils being added to West slope of Phase 7 South to improve intermediate cover



Soils being added to West slope of Phase 7 South to improve intermediate cover



West slope of Phase 7 North



Temp sed basin viewed from the North, and repaired rain flap and berm

**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	11/06/2020	153	Site management addressing issue
2	05/28/2020	Leachate elevations above maintenance levels	POO & RD&D Permit	ASAP	11/06/2020	153	Site management addressing issue, DNR serviing an NOV

JSA Environmental

GFL 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: 11/19/2020
PROJECT NUMBER: 1012.10030

On Monday November 2, 2020 Green For Life Environmental, Inc. (GFL) acquired the Emerald Park Landfill from Advanced Waste, via the sale of Advanced to Waste Management. For purpose of auditing and committee meetings there does not appear to be a change in active staff from the landfill or regional support.

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

Attached is the audit report for activities at the GFL Emerald Park Landfill for the week of November 15, 2020. The audit was performed at 11:40 AM on **November 18, 2020** by Jo Spear, Jr.; in the presence of Dan Otzelberger; the Regional Manager.

The last audit was performed on November 13, 2020

The weather conditions were bright, clear, with high clouds

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 bulldozer
- 1 Excavator

No Contractors were operating:

A) Working Face and Location

- Working face in Southeast corner of Phase 7 South
 - Working face very small, and slow moving due to low volumes
- No other working faces
- Site is using Autofluff and other ADC

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - One filter tank at drip leg on South slope of Phase 7 collecting leachate for tanker truck collection

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- C) Gas Monitoring and Management
 - No delivery to MMSD due to damaged meter
 - Meter repair may take quite a while
 - Total destruction volume 2,600 cfm; volume significantly increased
- D) Surface Water Management
 - Dry week after heavy storm on 11/10/2020
 - Erosion minimal
- E) Odor Control
 - No odors detected off site.
 - Minor gas odor near well on West edge of access road
- 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
 - Litter offsite in US45 left turn lanes
 - High winds all week, three pickers throughout week
 - On site litter in fencing
- H) Vehicle Impacts
 - US 45 clean
 - Union Church clean
 - Site roads dusty, entrance rough
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and no contractors
 - Receiving MSW and C&D ~1,000 TPD
 - Waste management acquired the roll off portion of the Advanced Hauling company. This will lower waste volumes for a period of time.
- J) Rejected Loads
 - No rejected loads
- K) Residential Drop Off
 - E-Waste Container present
 - Site closed with full and partially full boxes
- L) Other Comments
 - Tetrattech still onsite to monitor leachate system 24/7
 - Telemetry install ongoing, awaiting antenna
 - Berm is planned for West slope of Phase 7

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

GFL ~~ADAMSON~~ EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE November 18, 2020 TIME 11:40
 Auditor on site at: Open Close

PREVIOUS DATE: November 13, 2020 Completed

WEATHER Sunny, Clear, high clouds WIND 10-35 MPH
 (N) S E W
 TEMP Maximum 49 °F Minimum 40 °F B.P. 30.42

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	Excavator						
	Haul Truck						
	Water Truck						
	Grader						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Southeast corner of Phase 7 South.
Working face very small due to
low volume



Cover Material:

ADC of soils when necessary

B. Leachate Management:

Discharge to MMSD Recirculation

Phases: Filter trailer being drained by tanker

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	# Const.			
Shutdowns Since Last Audit:	# 3 Const.			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	0.00	#	2,600	cfm

Comments:

~~Data used~~ Metering issues at Gas Plant, No delivery until meter repaired or replaced. Volume up

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	
-------------------------	-----	-------------	--

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

Dry weeks after heavy storm 11/10/2020

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No odors off site Minor gas odor in on location of on West slope

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 checked="" type="checkbox"/>	NO	<input type="checkbox"/>	Left Turn Lanes
Pickers Active:	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	# 3

Comments:

High winds required more pickers

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 clean

Site roads 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:	11/05/2020				Form	<input type="checkbox"/>
Tonnage:	1,000 YPD					

Comments:

MSW, C&D, and special volumes down due to transition

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

Clear partially emptied boxes

L. Other Comments:

* Consultant on site to monitor leachate control & removal has been on site since June

* Telemetry install ongoing

* Berm to be installed on West slope of Phase 7 ~~area~~

Auditor's Signature: 

Auditor's Printed Name: _____

Jo-Walter Spear, Jr

Date: 11/18/2020

Management Signature: 

Management Printed Name: _____

Daniel Otzelberger

Date: 11/18/20

Management Title: _____

General Manager

JSA Principal Signature: _____

Date: _____

Advanced Disposal Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



View across Phase 7 from the North





Stockpiled autofluff adjacent to working face



Delivery of Autofluff



Several feet, in elevation, of bio-soil on Phase 3



Temp sed basin viewed from above



Temp Sed Basin viewed from the South



West slope of Phase 7, leachate sideslope riser exposed



West slope of Phase 7, repaired rain flap and access road



Temp sed basin and repaired rainflap with new access road

**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	11/06/2020	153	Site management addressing issue
2	05/28/2020	Leachate elevations above maintenance levels	POO & RD&D Permit	ASAP	11/06/2020	153	Site management addressing issue, DNR serviing an NOV

JSA Environmental

GFL Emerald Park Landfill Audit Summary

To: GFL Emerald Park Landfill Standing Committee, City of Muskego
FROM: Jo-Walter Spear, Jr., P.E.
COPIES: File
DATE: 11/24/2020
PROJECT NUMBER: 1012.10030

On Monday November 2, 2020 Green For Life Environmental, Inc. (GFL) acquired the Emerald Park Landfill from Advanced Waste, via the sale of Advanced to Waste Management. For purpose of auditing and committee meetings there does not appear to be a change in active staff from the landfill or regional support.

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

Attached is the audit report for activities at the GFL Emerald Park Landfill for the week of November 22, 2020. The audit was performed at 1:05 PM on **November 24, 2020** by Jo Spear, Jr.; in the presence of Chad Siegle; the Site Manager.

The last audit was performed on November 18, 2020

The weather conditions was overcast, rain, with sleet expected to last the day

Landfill Operations Audit:

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

The operation required the use of:

- 1 compactor
- 1 bulldozer

No Contractors were operating equipment

A) Working Face and Location

- Working face in Southeast corner of Phase 7 South away from out board slopes
 - Working face very small, and slow moving due to low volumes
- No other working faces
- Site is using site soils and paper board

B) Leachate Management

- Leachate being pumped to MMSD treatment
 - One filter tank at drip leg on South slope of Phase 7 collecting leachate for tanker truck collection

C) Gas Monitoring and Management

- No delivery to MMSD due to damaged meter

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Meter repair may take quite a while
 - Total destruction volume 2,400 cfm; volume dropped since last week
- D) Surface Water Management
- Event ongoing during audit, rain not heavy.
 - Basins have freeboard
 - Erosion minimal
- E) Odor Control
- No odors detected off site.
 - Minor gas odor on access road
- 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
- GFL is limiting pickers on the site to minimize risk
 - No offsite litter
 - Due to high winds in the past week, site had five active pickers
 - Pickers were active on North slope of Phase 1 -3 during audit
- H) Vehicle Impacts
- US 45 clean
 - Union Church clean
 - Site roads dusty, entrance rough
- I) Inspection of Incoming Waste
- Site operating with three equipment operators and no contractors
 - Receiving MSW, ADC, and C&D ~1,000 TPD
 - Waste management acquired the roll off portion of the Advanced Hauling company. This will lower waste volumes for a period of time.
 - Autofluff delivery halted while plant shut down for maintenance
- J) Rejected Loads
- No rejected loads
- K) Residential Drop Off
- E-Waste Container present
 - Site closed with mostly empty boxes
- L) Other Comments
- Tetratex still onsite to monitor leachate system 24/7 – ongoing until stated otherwise
 - Gas delivery halted due to ATI meter damage, meter is out for repair; but site doesn't have a repair date or assurances of repair.
 - Contractor previously laid out cut and fill stakes for placement of the berm on the West slope of Phase 7

Attachments:

Action Items List / Landfill Operations Audit Form
 Audit Photos

GREEN FOR LIFE ENVIRONMENTAL (GFL) EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE November 24, 2020

TIME 1:05 PM

Auditor on site at: Open Close

PREVIOUS DATE: November 18, 2020 Completed

WEATHER Overcast, sprinkling rain, sleet

WIND S-1S

N	S	E	W
E-SE			

TEMP Maximum 41 °F Minimum 39 °F B.P. 30.23

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 in Southeast
corner of Base 7 South
of slope edges



Cover Material:

Site soil = Paper bond

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		#	Cont	
Shutdowns Since Last Audit:		#	Cont	
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	Destroyed	#	2,400	cfm

Comments:

ARI - out for repair - no estimate yet for return
System operating in destruction only

D. Surface Water Management:

Storm Events Since Last # 1 Est. Volume ~

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

Event ongoing during audit rain
not heavy Basins have plenty of
Free board and minimal erosion

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Minor gas, fleeting on Access road.

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"/>	# 5

Comments:

Litter actively being picked in flux!
North slopes, site cleaned up after winds

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 41 & 2 Mile clean
Site roads gritty, entrance potholed

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:	11/20/2020		Form	<input type="checkbox"/>
Tonnage:	1,000 TPD			

Comments:

slow, ADC, C&D.
No - Shredder fluff, plant down for maintenance

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

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

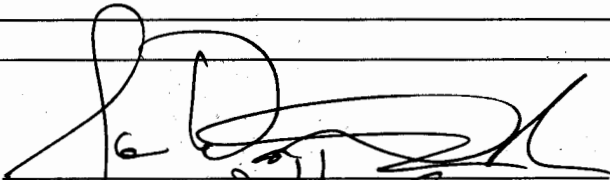
Site clean, boxes mostly empty

L. Other Comments:

* Gas delivery halted until AVE Meter repaired or replaced.

* Berm construction on Phase 7 West slope expected next week to control storm water

Auditor's Signature:



Date: 11/24/2020

Auditor's Printed Name:

Walter Spear, Jr.

Management Signature:



Date: 11/24/20

Management Printed Name:

AS

Management Title:

Ops Man

JSA Principal Signature:

Date: _____

Green For Life Environmental (GFL) Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030



West slope of Phase 7 South, improved gas collection





View across Phase 7



Access road to Working face, area very tight, face is small due to volume



Access road extended another lift



Temp sed basin viewed from South, details of side slopes



Temp Sed Basin viewed from the South



West slope of Phase 7, leachate sideslope riser exposed



Access road built over rainflap at toe of West slope of Phase 7



Temp sed basin viewed from the North

**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	11/06/2020	153	Site management addressing issue
2	05/28/2020	Leachate elevations above maintenance levels	POO & RD&D Permit	ASAP	11/06/2020	153	Site management addressing issue, DNR serviing an NOV



**Advanced
Disposal**

December

JSA Environmental

GFL Emerald Park Landfill Audit Summary

To: GFL Emerald Park Landfill Standing Committee, City of Muskego
FROM: Jo-Walter Spear, Jr., P.E.
COPIES: File
DATE: 12/02/2020
PROJECT NUMBER: 1012.10030

On Monday November 2, 2020 Green For Life Environmental, Inc. (GFL) acquired the Emerald Park Landfill from Advanced Waste, via the sale of Advanced to Waste Management. For purpose of auditing and committee meetings there does not appear to be a change in active staff from the landfill or regional support.

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

Attached is the audit report for activities at the GFL Emerald Park Landfill for the week of November 29, 2020. The audit was performed at 10:25 AM on **December 1, 2020** by Jo Spear, Jr.; in the presence of Dan Otzelburger; the Regional Manager.

The last audit was performed on November 24, 2020

The weather conditions was Sunny, clear, and crisp

Landfill Operations Audit:

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

The operation required the use of:

- 1 compactor
- 1 bulldozer
- 1 haul truck

One Contractor, The Oaks, were operating equipment

- 1 excavator
- 1 haul truck
- 1 bulldozer

A) Working Face and Location

- Working face in Southern end of Phase 7 South away from out board slopes
 - Working face very small, and slow moving due to low volumes
- No other working faces
- Site is using auto-fuff and soils for daily cover

B) Leachate Management

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- Leachate being pumped to MMSD treatment
 - One filter tank at drip leg on South slope of Phase 7 collecting leachate for tanker truck collection
- C) Gas Monitoring and Management
 - No delivery to MMSD due to damaged meter
 - Meter delivery and repair may occur this week
 - Total destruction volume 2,500 cfm; volume higher than previous audit
- D) Surface Water Management
 - Temp sed basin in need of pumping
 - Basins have freeboard
 - Erosion minimal
- E) Odor Control
 - No odors detected off site.
- 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
 - GFL is limiting pickers on the site to minimize risk
 - No offsite litter
 - Due to high winds in the past week, site had three active pickers
 - Pickers were active on East slope of Phase 5 during audit
- H) Vehicle Impacts
 - US 45 & Union Church clean
 - Site roads dusty, entrance rough with potholes
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and one contractors
 - Receiving MSW, ADC, and C&D ~900 TPD
 - Waste management acquired the roll off portion of the Advanced Hauling company. This will lower waste volumes for a period of time.
 - Volumes reduced further due to holiday
- J) Rejected Loads
 - No rejected loads
- K) Residential Drop Off
 - E-Waste Container present
 - Site closed and boxes being emptied during audit
- L) Other Comments
 - Tetrattech still onsite to monitor leachate system 24/7 – ongoing until stated otherwise
 - Gas delivery halted due to ATI meter damage, meter is repaired and expected to be returned to the site on 12/03/2020 and installation should be a mater of hours.
 - Contractor building berm on West slope of Phase 7 with material excavated from future Phase 8

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

GREEN FOR LIFE ENVIRONMENTAL (GFL) EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE December 1, 2020 TIME 12:25
 Auditor on site at: Open Close

PREVIOUS DATE: November 24, 2020 Completed

WEATHER Sunny Clear, Crisp WIND S-15 MPH to NW
 TEMP Maximum 37 °F Minimum 24 °F B.P. 29.98

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	<u>Compactor</u>						
<u>1</u>	<u>Dozer</u>						
	<u>Excavator</u>						
<u>1</u>	<u>Haul Truck</u>						
	<u>Water Truck</u>						
	<u>Grader</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in South end, but North
of slope in these 7 South.
No other working faces



Cover Material:

Auto fluff & soils

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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			#	Cont		
Shutdowns Since Last Audit:			#	Cont		
Total Number of Wells	#	All	Under vacuum	#	All	
Flow to MMSD:	#	2,500	cfm			

Comments:

ARs Meter expected to return and install this week
 Delivery will resume after install

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	21"
-------------------------	---	---	-------------	-----

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

Basins mostly drained ~~no event~~.
 Temp sed basin not pumping during audit but
 will be pumped down

E. Odor Control:

Odors Present:	Onsite	<input type="checkbox"/>	Offsite	<input type="checkbox"/>
----------------	--------	--------------------------	---------	--------------------------

Comments:

No odors 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"/>	# 3

Comments:

Pickers active on East slope of Phase 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 clean.
Site roads dusty, entrance potholed

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:	11/24/2020			Form <input type="checkbox"/>
Tonnage:	900 TPD			

Comments:

Msw, ADC, CPD, and

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

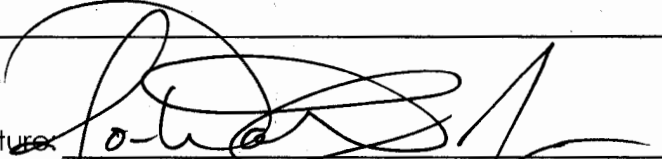
K. Residential Drop Off: Open During Audit E-Waste Container Present

Boxes being emptied during audit. Site clean.

L. Other Comments:

* The Oaks constructing berm on West slope of Phase 7

* ARI Meter to be delivered back to site and installed this week. No gas delivery until meter is installed

Auditor's Signature: 

Date: 12/01/2020

Auditor's Printed Name: _____

Jo-Walter Spear, Jr.

Management Signature: 

Date: 12/1/20

Management Printed Name: _____

Daniel Oteelberger

Management Title: _____

GM

JSA Principal Signature: _____

Date: _____

Green For Life Environmental (GFL) Emerald Park Landfill Audit Map



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

PROJECT NO. 1012.10030

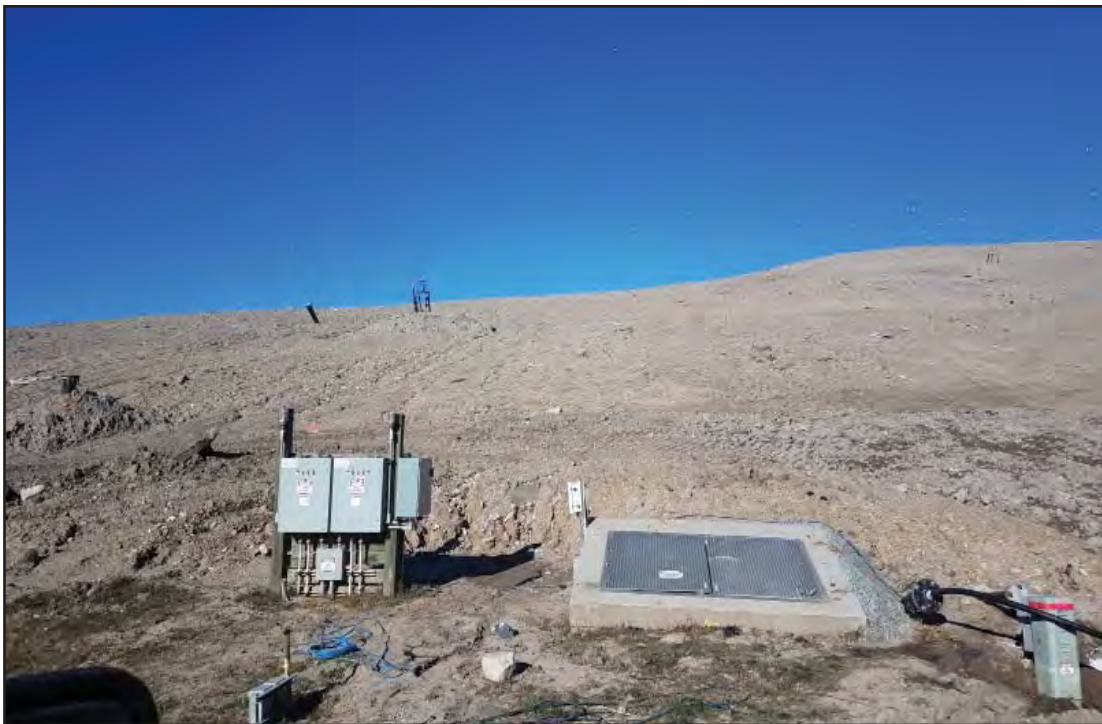


Leachate collection prior to filter tank and tanker hauling





Leachate collection prior to filter tank



South slope of Phase 7



Cover materials stockpiled in active area



Active area viewed from the West



Tipping in Phase 7 South, Southern end



Temp sed basin pumping to clear water to basin #1



Temp sed basin restored



Contractor excavating future Phase 8 to provide material for construction of Phase 7 West slope berm



Contractor excavating future Phase 8 to provide material for construction of Phase 7 West slope berm



Contractor excavating future Phase 8 to provide material for construction of Phase 7 West slope berm



Access road built over rainflap at toe of West slope of Phase 7



West slope of Phase 7, note new berm construction to move runoff from North to South



Header for leachate collection



Berm development on West Slope of Phase 7



Berm development on West Slope of Phase 7



Berm development on West Slope of Phase 7



Berm development on West Slope of Phase 7



Berm development on West Slope of Phase 7

**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	11/06/2020	153	Site management addressing issue
2	05/28/2020	Leachate elevations above maintenance levels	POO & RD&D Permit	ASAP	11/06/2020	153	Site management addressing issue, DNR serviing an NOV



GFL Emerald Park Landfill Audit Summary

TO: GFL Emerald Park Landfill Standing Committee, City of Muskego
FROM: Jo-Walter Spear, Jr., P.E.
COPIES: File
DATE: 12/15/2020
PROJECT NUMBER: 1012.10030

On Monday November 2, 2020 Green For Life Environmental, Inc. (GFL) acquired the Emerald Park Landfill from Advanced Waste, via the sale of Advanced to Waste Management. For purpose of auditing and committee meetings there does not appear to be a change in active staff from the landfill or regional support.

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

Attached is the audit report for activities at the GFL Emerald Park Landfill for the week of December 6, 2020. The audit was performed at 1:32 PM on **December 11, 2020** by Jo Spear, Jr.; in the presence of Dan Otzelburger; the Regional Manager.

The last audit was performed on December 1, 2020

The weather conditions were over cast, raining and sleeting during audit

Landfill Operations Audit:

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

The operation required the use of:

- 1 compactor
- 1 bulldozer

Contractors on site were monitoring leachate volumes and controlling pump rates, along with installing telemetry system.

A) Working Face and Location

- Working face in the Southwest of Phase 7 South developing raised berm to protect future interior working faces.
 - Working face very small, and slow moving due to low volumes
- No other working faces
- Site is using soils for outboard slope cover and various ADCs for interior slope cover.
 - Autofluff, failed compost, and paper board stockpiled in Phase 7

B) Leachate Management

- Leachate being pumped to MMSD treatment

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- One filter tank at drip leg on South slope of Phase 7 collecting leachate for tanker truck collection
- C) Gas Monitoring and Management
- Meter repaired and installed on 12/5/2020
 - 1,300 cfm being delivered to MMSD, 1,000 cfm being destroyed by flare
 - Total destruction volume 2,350 cfm
- D) Surface Water Management
- Ongoing event during auditing
 - Temp sed basin pump offline and pulled for repairs
 - Basins have freeboard
 - Erosion minimal
- E) Odor Control
- No odors onsite
 - Offsite odor wafting on 8 Mile Road at end of screening berm
- 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
- GFL is limiting pickers on the site to minimize risk
 - No offsite litter
 - Litter in Wetland South of Phase 7; site relocated fences to prevent additional litter.
 - Two pickers active on site
- H) Vehicle Impacts
- US 45 & Union Church clean, however the interior shoulders of US 45 have debris
 - Site entrance very rough and potholed
- I) Inspection of Incoming Waste
- Site operating with three equipment operators
 - Receiving MSW, ADC, and small volume of soils for ~1,000 TPD
 - Waste management acquired the roll off portion of the Advanced Hauling company. This will lower waste volumes for a period of time.
- J) Rejected Loads
- No rejected loads
- K) Residential Drop Off
- E-Waste Container present
 - Site operating during audit, but not heavily used. Boxes mostly empty and site is clean
- L) Other Comments
- Pump repair mandatory for temp sed basin
 - Hydrogen Sulfide filter media swap expected to be conducted next week and be complete by end of the year.
 - Telemetry installation ongoing, not all materials on site.

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

GREEN FOR LIFE ENVIRONMENTAL (GFL) EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE December 12, 2020

TIME 1:32 PM

Auditor on site at: Open Close

PREVIOUS DATE: December 1, 2020 Completed

WEATHER Overcast, rain & sleet during audit

WIND 10-20 MPH
 N S W W

TEMP Maximum 41 °F Minimum 35 °F B.P. 29.99

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	<u>Compactor</u>						
<u>1</u>	<u>Dozer</u>						
	<u>Excavator</u>						
	<u>Haul Truck</u>						
	<u>Water Truck</u>						
	<u>Grader</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in South west corner of
Phase 7 - South. No other working
face. Current working face start
of a new lift



Cover Material:

Soils on outboard slope and corner. ADL on inboard face

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:	# None			
Total Number of Wells	# All	Under vacuum	# All	
Flow to MMSD:	Total	# 2,350	cfm	

Comments:

1,350 cfm to MMSD remainder through flare
Meter brought delivery back online 12/5/2020

D. Surface Water Management:

Storm Events Since Last	# 2	Est. Volume	2.1"
-------------------------	-----	-------------	------

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

Ongoing event during audit, Temp sed basin pump down, plenty of freeboard now, but can over flow

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Offsite, wafting odor on 8 Mile at West end of berm

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"/>	# 2

Comments:
 Litter in wetlands along perimeter road
 fences relocated to stop litter movement

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

Debris in exterior shoulders of us 45. 8 Mile Clean
 Site entrance very rough. Potholes.

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:					12/8/2020	Form <input type="checkbox"/>
Tonnage:	1,000 Tpd					

Comments:
 MSW, ADC Stockpile, and small soil loads

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		

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

Drop off active, but not heavily Site clean

L. Other Comments:

* Pump repair mandatory for temp s&d basin

* H₂S Media swap expected to be done by end of year. Contractor will be on site to perform swap

* Telemetry installation ongoing
New materials needed have arrived

Auditor's Signature:

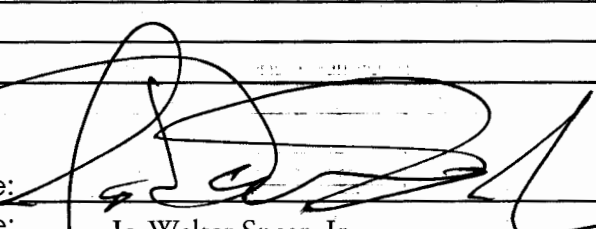
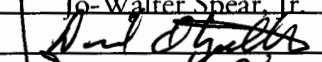
Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature:


Jo-Walter Spear, Jr.

Daniel Otzelberger
General Manager

Date: 12/12/2020

Date: 12/12/20

Date: _____

Green For Life Environmental (GFL) Emerald Park Landfill Audit Map



*In Wafting
Gas Odor
Road as
Working
Face*

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

PROJECT NO. 1012.10030



Dozer spreading cover on South top of slope of Phase 7 South





Dozer spreading cover on South top of slope of Phase 7 South



Dozer spreading cover on South top of slope of Phase 7 South



Southeast corner of Phase 7 South



West slope of Phase 7, along access road, probable location of odors and placement of horizontal trench



Phase 7 North across to Phase 7 South



Tipping at Working face, two trucks active, one arriving and one departing



Trucks moving about active area



Working face very small and tucked up to create berm



Temp sed basin viewed from access road to the South



Temp sed basin and leachate header viewed from the South



Southeast corner of Phase 7 South, some flagging and litter from previous waste placement



Temp sed basin viewed from the South, currently not pumping

**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	11/06/2020	153	Site management addressing issue
2	05/28/2020	Leachate elevations above maintenance levels	POO & RD&D Permit	ASAP	11/06/2020	153	Site management addressing issue, DNR serviing an NOV



GFL Emerald Park Landfill Audit Summary

To: GFL Emerald Park Landfill Standing Committee, City of Muskego
FROM: Jo-Walter Spear, Jr., P.E.
COPIES: File
DATE: 12/16/2020
PROJECT NUMBER: 1012.10030

On Monday November 2, 2020 Green For Life Environmental, Inc. (GFL) acquired the Emerald Park Landfill from Advanced Waste, via the sale of Advanced to Waste Management. For purpose of auditing and committee meetings there does not appear to be a change in active staff from the landfill or regional support.

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

Attached is the audit report for activities at the GFL Emerald Park Landfill for the week of December 13, 2020. The audit was performed at 12:34 PM AM on **December 11, 2020** by Jo Spear, Jr.; in the presence of Chad Seigle; the Site Manager.

The last audit was performed on December 11, 2020; there is an error in the recording of the December 11 Audit, it is a typo with regards to the date and reads as December 12th.

The weather conditions were clear, sunny, and dry

Landfill Operations Audit:

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

The operation required the use of:

- 1 compactor
- 1 bulldozer

One Contractor on site using equipment

- 1 front end loader

A) Working Face and Location

- Working face in Southeast corner, lift being used to develop berm to protect future working faces from inclement weather and winds
 - Working face very small, and slow moving due to low volumes
- No other working faces
- Site is using soils and ADC for daily cover
 - Soils only for cover on the outboard/West slope

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



- B) Leachate Management
 - Leachate being pumped to MMSD treatment
 - One filter tank at drip leg on South slope of Phase 7 collecting leachate for tanker truck collection
 - Trench for collecting from drip leg full at time of audit
- C) Gas Monitoring and Management
 - Filter media for hydrogen sulfide removal being conducted by contractor
 - No delivery while filter is offline
 - Flaring 2,400 cfm of LFG, a recovery after 12/11
 - Filter media swap should be completed December 16, 2020
- D) Surface Water Management
 - Rain event continued from over weekend.
 - Temp basin pump not online as of yet
 - Overall site is entering into a freeze, basins have iced surfaces
- E) Odor Control
 - No odors offsite, minor gas odor on access road
- 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
 - Litter in roadside ditches of US 45
 - Some blown litter on site
- H) Vehicle Impacts
 - Besides roadside litter, US 45 and 8 Mile Road are clean
 - Site roads clean, entrance very rough
- I) Inspection of Incoming Waste
 - Site operating with three equipment operators and one contractor
 - Receiving MSW and C&D < 1,000 TPD
 - Waste management acquired the roll off portion of the Advanced Hauling company. This will lower waste volumes for a period of time.
- J) Rejected Loads
 - No rejected loads
- K) Residential Drop Off
 - E-Waste Container present
 - emptied by contractor prior to audit
 - Boxes mostly full and site clean
- L) Other Comments
 - Tetrattech still onsite to monitor leachate system 24/7 – ongoing until stated otherwise.
 - Telemetry materials being installed as delivered
 - Hydrogen sulfide filter media swap ongoing, expected completion 12/16/2020
 - Site planning the addition of a new leachate storage tank

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

GREEN FOR LIFE ENVIRONMENTAL (GFL) EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE December 14, 2020
 Auditor on site at: Open Close

TIME 12:34

PREVIOUS DATE: December 12, 2020 Completed

WEATHER Clear, Sunny, and dry

WIND 10-25 MPH
 N E W

TEMP Maximum 26 °F Minimum 14 °F B.P. 30.17

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 is Southeast corner
of Phase 7 South. Developing berm
about top of slope to block
wind



Cover Material:

Soils & ADX

B. Leachate Management:

Discharge to MMSD	<input checked="" type="checkbox"/>	Recirculation	<input type="checkbox"/>
-------------------	-------------------------------------	---------------	--------------------------

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: Flare		#	2,400	cfm		

Comments:

Site not delivering due to H₂S Media exchange. Should be back online by 12/16/2020

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	2 1/4
-------------------------	---	---	-------------	-------

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

Rain event over weekend. Site basins iced over. Site overall freezing

E. Odor Control:

Odors Present:	Onsite	<input checked="" type="checkbox"/>	Offsite	<input type="checkbox"/>
----------------	--------	-------------------------------------	---------	--------------------------

Comments:

Mild gas odor on access road

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

Comments:

*Litter in side ditches on US45
Blow litter on site*

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 ditches have some litter
Site roads clean, 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:					12/8/2020	Form <input type="checkbox"/>
Tonnage:	<i>< 1,000 TPA</i>					

Comments:

MSW C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		

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

Boxes mostly full from weekend, E-Waste emptied before

L. Other Comments:

* H₂S Filter media being changed
this week by contractor expected
completion 12/16/2020

* Site planning additional leachate
storage tank

Auditor's Signature: _____

Date: 12/14/2020

Auditor's Printed Name: _____

Joe Walker Spear, Jr.

Management Signature: _____

Date: 12-14-20

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: _____

Green For Life Environmental (GFL) Emerald Park Landfill Audit Map



*Developers Begin
Working about top of slope to
Face protect against elements*

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

PROJECT NO. 1012.10030



Previous area of flagging and litter on Southwest corner of Phase 7 South





Continuation of lift/berm construction around outer top of slope If Phase 7 to protect inner future working faces



Mobile fences relocated to catch litter and prevent travel off the active area

**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	11/06/2020	153	Site management addressing issue
2	05/28/2020	Leachate elevations above maintenance levels	POO & RD&D Permit	ASAP	11/06/2020	153	Site management addressing issue, DNR serviing an NOV