JSA Civil

Memorandum

ADS Emerald Park Landfill Audit Summary

To:	ADS Emerald Park Landfill Standing Committee, City of Muskego
From:	Faith Spear.
Copies:	File
Date:	03/10/15
Project Number:	1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of March 2, 2014 The audit was performed at 3:29 PM on **March 5, 2014** by Jo Spear, Jr. in the presence of Michael Hackney, General Manager.

Landfill Operations Audit:

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

- Working face in Phase 6W against south end of Phase 7.
  - No other working faces on site
- One compactor, one dozer, one haul truck and one excavator
  - One D6 in for repair
- Soils, foundry sand and poly -fluff in use for daily cover

- All leachate discharging to MMSD; no recirculation
- Gas flow to MMSD consistent at 1,600 cfm
  - No flares in operation
  - One blower in operation
  - No shutdowns since last audit
  - Gas plant running very well
    - Dryer weather and cooler temperatures may be an influence

- One storm event since last audit; about 1”
- Site conditions frozen except for ditches above Basin 2
  - Basin 2 collecting ground drainage

- Odors above area of working face
- No odors off-site
- Liquid loads tipped in Phase 6W

- Litter on-site; clear off-site
- Two pickers working
- US 45 and 8 Mile Road clean; site roads clean

- Scale camera in use; 3 quipment operators; no spotter

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

    - Receiving approximately 1,100 tpd of MSW and contaminated soils
    - Accepting MSW, Alternate Daily Cover and Construction & Demolition Debris
    - Random load inspection 3/5/15
    - No rejected loads

- Residential drop-off site clean
    - E-waste container present
    - Boxes empty

Comments:

- basin cleaning to be completed next week
    - Repairing soil erosion

- Nest boxes for Wood Ducks to be installed in wetland area next week

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

VEOLIA 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 CIVIL ENVIRONMENTAL ENGINEERS
325 West Vine Street / Milwaukee, WI 53212-3606 / 414-283-2122

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

PROJECT NO. 1020.10030

DATE March 5, 2015 TIME 3:29

Auditor on site at: Open ☐ Close ☐

WEATHER Clear, Some Clouds, very Sunny WIND N S E W 5-20

TEMP Maximum 15 °F Minimum 3 °F B.P. 30.46

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	D6 Dozer						

A. Working Face Size and Location:

Working face in Phase 6W against South end of Phase 7.
No other working faces on site

JSA 2410 N. Palmer Street Milwaukee, WI 53212 CIVIL ENVIRONMENTAL ENGINEERS

Cover Material:

Soils, foundry sand, Poly-fluff

B. Leachate Management:

Discharge to MMSD	☑	Recirculation	☐

Phases:

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES ☐	NO ☑	#	
Blowers in Operation:	YES ☑	NO ☐	#	1
Flare use since last audit		# Ø		
Shutdowns Since Last Audit:		# Ø		
Flow to MMSD:		# 1,600	cfm	
Vegetation Condition:	Good NA ☐	Fair ☐	Poor ☐	Dead ☐

Comments:

Gas plant running well with dry weather and cool temps

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:

Site conditions frozen except for ditches above Basin #2 from groundwater draining

E. Odor Control:

Odors Present:

Onsite	☑	Offsite	☐

Comments:

Odors above working face

F. Liquid Loads Received:

Periodic in Phase IV

G. Litter Control:

Litter Present Onsite:	YES ☑	NO ☐	
Litter Present Offsite:	YES ☐	NO ☑	
Pickers Active:	YES ☑	NO ☐	# 2

Comments:

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 clean as well

I. Inspection of incoming Waste:

Scale Camera Operator:	YES ☑	NO ☐	#	1
Equipment Operator:	YES ☑	NO ☐	#	3
Spotter:	YES ☐	NO ☐	#	
Random Load Inspection Dates:		3/5/15		
Tonnage:	1,100			

Comments: MSW, ADC, & Construction Demolition

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L.

Residential Drop Off:	Open During Audit ☐	E-Waste Container Present ☑

Boxes empty, e-waste container present

M. Other Comments:

* Basin cleaning to be completed next week.
* Wood duck houses in wetland next week

Auditor's Signature: Date: 3/5/15

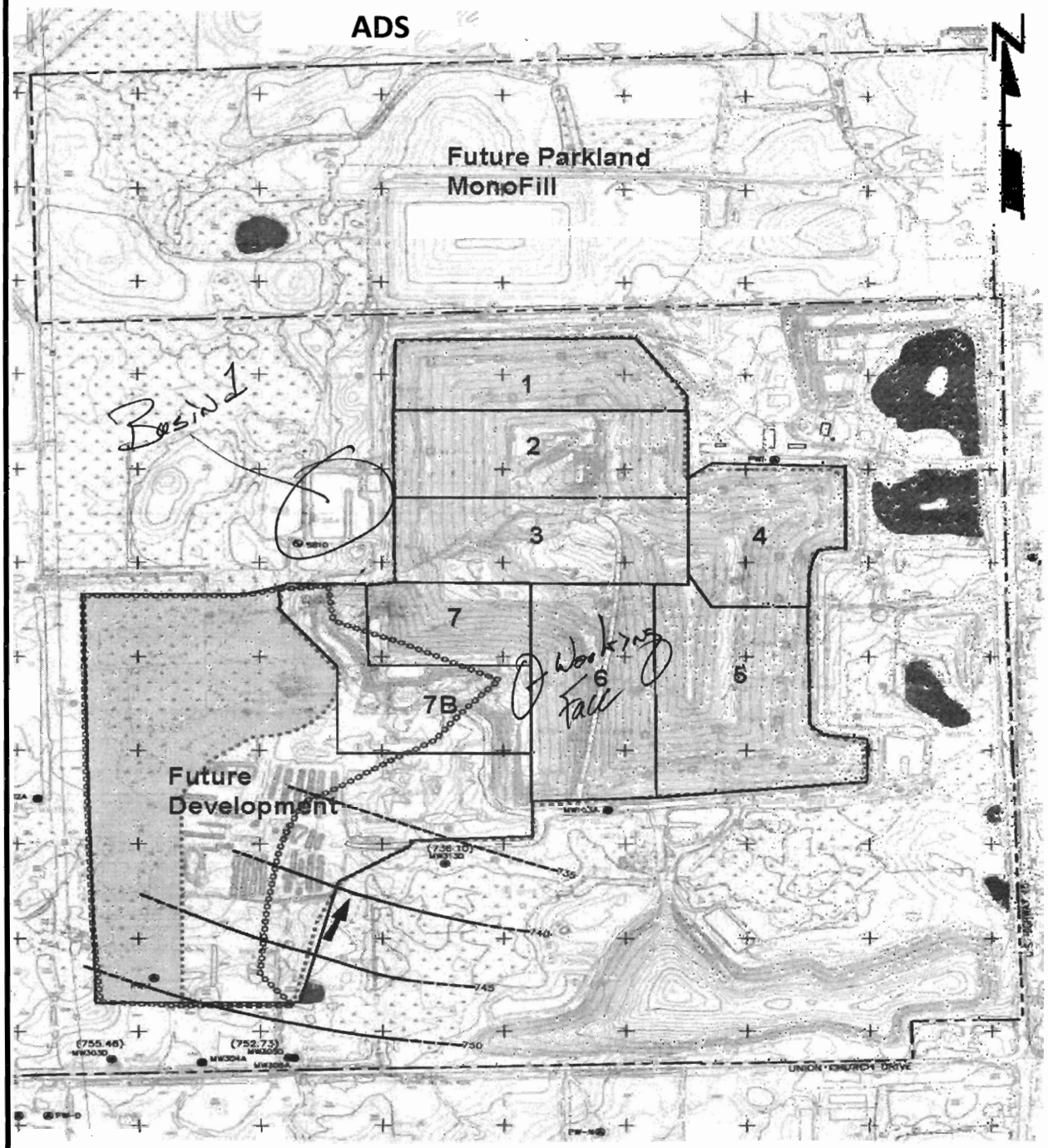
Auditor's Printed Name: Jo-Walter Spear, II

Management Signature: Date: 3/5/15

Management Printed Name: Michael Hackney

Management Title: GM

JSA Principal Signature: Date:



Advanced Disposal Services Emerald Park Landfill
Landfill Audit Map
City of Muskego
Project No. 1020.10030

JSA CIVIL ENVIRONMENTAL ENGINEERS
2419 N. Pilgrim
Milwaukee, WI 53212

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

PROJECT NO. 1012.10030

Basin #1, cleaning halted until some melt occurs

WWW.JSACIVIL.COM
325 WEST VINE STREET
MILWAUKEE ,WI 53212-3606
CIVIL ENVIRONMENTAL ENGINEERS

Working face viewed from the North

Working face at base of ramp from access road

Future Phase 8, viewed from the North

Working face viewed from the East

Foundry sand, Poly-Fluff, and C&D materials awaiting use as daily cover