



Memorandum

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 02/02/15
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of January 12, 2015. The audit was performed at 11:53 AM on **January 15, 2015** by Jo Spear, Jr. in the presence of David Geier, Operations Manager.

Landfill Operations Audit:

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

- Working face in Southwest corner of Phase 7B West
 - No other working faces active
- One compactor, one dozer, one excavator and one haul truck working on site
- Clean site soils in use for daily cover

- All leachate discharging to MMSD per design
- Gas flow to MMSD consistent at 1,600 cfm
 - No flares in operation during audit
 - One blower operating
 - Construction of expansion to gas building is complete
 - System operating well

- Minor snow fall since last audit; about 1"
 - Site conditions frozen
- Detected unpleasant odors both on and in off-site area to East of Emerald Park
 - Odor specifically from compost operation
 - Receiving periodic liquid loads

- Litter on-site; minimal off-site litter
- Two pickers active
 - working along fence lines in Phase 7
- US 45 and 8 Mile Roads clean and salted; site roads clear

- Scale camera in use; equipment operators; no spotter
 - Receiving approximately 1,200 tpd
 - MSW, C&D and some special handling

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

- Random load inspection 1/15/15
- No rejected loads
- Residential drop-off site clean
 - E-waste container emptied 1/10/15

Comments:

- Compost operation turning static piles
 - Creating a “licorice” odor on-site
- Frozen seep on South interior slope of Phase 7 to be repaired when accessible

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

PROJECT NO. 1020.10030

DATE January 15, 2015
 Auditor on site at: Open Close

TIME 11:53

WEATHER Sunny, high clouds.

WIND 0-20
 N S E W

TEMP Maximum 31 °F Minimum 17 °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 | | | | | | |
| 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 Phase #3 WEST. Receiving MSW, C&D, and liquid loads. No other working faces operating.



Cover Material:

Clean site soils is use for cover

B. Leachate Management:

Discharge to MMSD Recirculation

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 | # | | 0 | |
| Shutdowns Since Last Audit: | # | | 0 | |
| Flow to MMSD: | # | | 1,600 | cfm |
| Vegetation Condition: | Good <input checked="" type="checkbox"/> | NA <input type="checkbox"/> | Fair <input type="checkbox"/> | Poor <input type="checkbox"/> Dead <input type="checkbox"/> |

Comments:

Extension to Gas Building complete
System operating well.

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:

Minor snow fall since last audit
site conditions frozen

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Odor from compost operation only detected onsite and to the East of Emerald Park offsite

F. Liquid Loads Received:

Periodic



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 along fence lines in that
 Litter in fences, mostly

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

4.5 to 8 Mile road clean and well
 salted Site roads clear

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"/> | # | |
| Spotter: | YES <input type="checkbox"/> | NO <input checked="" type="checkbox"/> | # | |
| Random Load Inspection Dates: | 1/15/15 | | | |
| Tonnage: | 1,200 TPD | | | |

Comments:
 MOW, C&D, and special

J. Rejected Loads:

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

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

E-waste container emptied on 1/10/15



M. Other Comments:

* Compost operations turning static piles
created a "Licorice" odor onsite

* Frozen seep on South interior slope
of Phase 7, to be repaired when
accessible

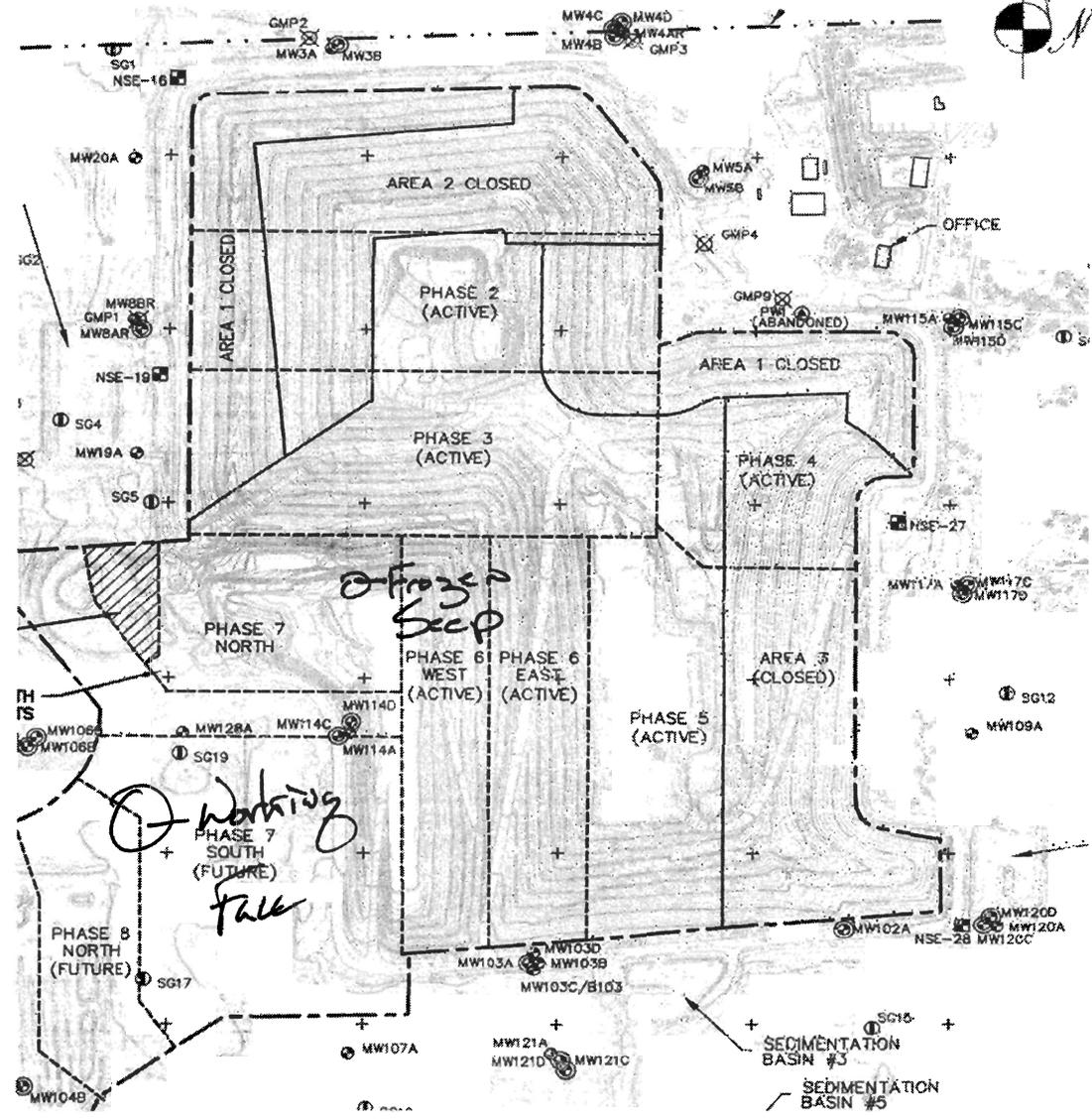
Auditor's Signature: *Jo-Walter Sprar, Jr.*
Auditor's Printed Name: Jo-Walter Sprar, Jr.
Management Signature: *David Geist*
Management Printed Name: David Geist
Management Title: Operations Manager
JSA Principal Signature: _____

Date: 1/15/15
Date: 1-15-15
Date: _____



ADS EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




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

LANDFILL AUDIT MAP

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

PROJECT NO. 1012.10030



Completed extension on the West end of the Gas Building



Working face in Phase 7B West, Southwest corner



Working face viewed from the North



Active area, cleared of snow for truck traffic



Access to Phase 7B



Working face viewed from the West



Working face viewed from the South