



MEMORANDUM

ADS Emerald Park Landfill Audit Summary

To: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 12/29/14
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of November 24, 2014. The audit was performed at 1:05 PM on **November 26, 2014** 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 Phase 7B West.
 - Receiving MSW and construction & demolition wastes
 - No other working faces
- One compactor, one dozer and one excavator working on site
 - One backhoe in for repair
- Site soils, reclaimed from Phase 3, in use for daily cover

- All leachate discharging to MMSD; no recirculation
- Gas flow severely reduced due to broken air compressor
 - One flare in operation during audit
 - No blowers in operation
 - One shut down continuing from 11/23/14
- Faulty compressor has led to discontinued gas delivery

- Two storm events since last audit; less than 1”
 - Small snow and very light rain events
 - Site conditions frozen
- No odors
- Liquid loads periodic

- Litter on-site; but well controlled by fences
- No litter off-site
- More new fencing added around sump
- Two pickers working
- US 45 and 8 Mile Road dusty with road salt

- Scale camera in use; 3 equipment operators; no spotter
 - Receiving approximately 1,800 tpd of MSW and C&D

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

4

- Random load inspection 11/26/14
- No rejected loads

- Residential drop-off site open during audit
 - E-waste container present
 - Boxes were being emptied during audit

- Contractor crushing concrete on site to stockpile for or later beneficial uses

- Some frozen loads coming in
 - Excavator and/or backhoe regularly dedicated to digging out frozen waste loads

- Site closed on 11/27 for Thanksgiving Holiday
 - Saturday operating hours extended until 1:30

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 November 26, 2014
 Auditor on site at: Open Close

TIME 1:05

WEATHER Overcast, some sun

WIND N:1
 N S E W

TEMP Maximum 29 °F Minimum 22 °F B.P. 30.15

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 |
|-----|-------------|--------|-------------|-----|-------------|--------|-------------|
| 1 | Backhoe | | | | | | |
| | | | | | | | |

A. Working Face Size and Location:

Working face in Phase 7B West, receiving MSW and Construction, Demolition Wastes.
No other working faces



Cover Material:

Site soils, reclaimed soils from 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 type="checkbox"/> | NO | <input checked="" type="checkbox"/> | # | |
| Flare use since last audit | | # | 11/25/14 | | | |
| Shutdowns Since Last Audit: | | # | 1 | | | |
| Flow to MMSD: | | # | | | cfm | |
| Vegetation Condition: | Good | <input type="checkbox"/> | Fair | <input type="checkbox"/> | Poor | <input type="checkbox"/> |
| | Dead | <input type="checkbox"/> | | | | |

Comments:

Broken Air Compressor preventing delivery

D. Surface Water Management:

| | | | | |
|-------------------------|---|---|-------------|-----|
| Storm Events Since Last | # | 2 | Est. Volume | 21" |
|-------------------------|---|---|-------------|-----|

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

Small snow events and very light rains
site conditions frozen

E. Odor Control:

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

Comments:

No odors

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:

*Waste well controlled by fences
New fencing about swamp*

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 dusty with road salt

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: | | | | | | 11/26/14 |
| Tonnage: | 1,800 TSD | | | | | |

Comments:

CD, and MSW

J. Rejected Loads:

| | Date/Time | Reason for Rejection |
|----|-----------|----------------------|
| 1. | | <i>NONE</i> |
| 2. | | |

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

Boxes Being emptied during Audit



M. Other Comments:

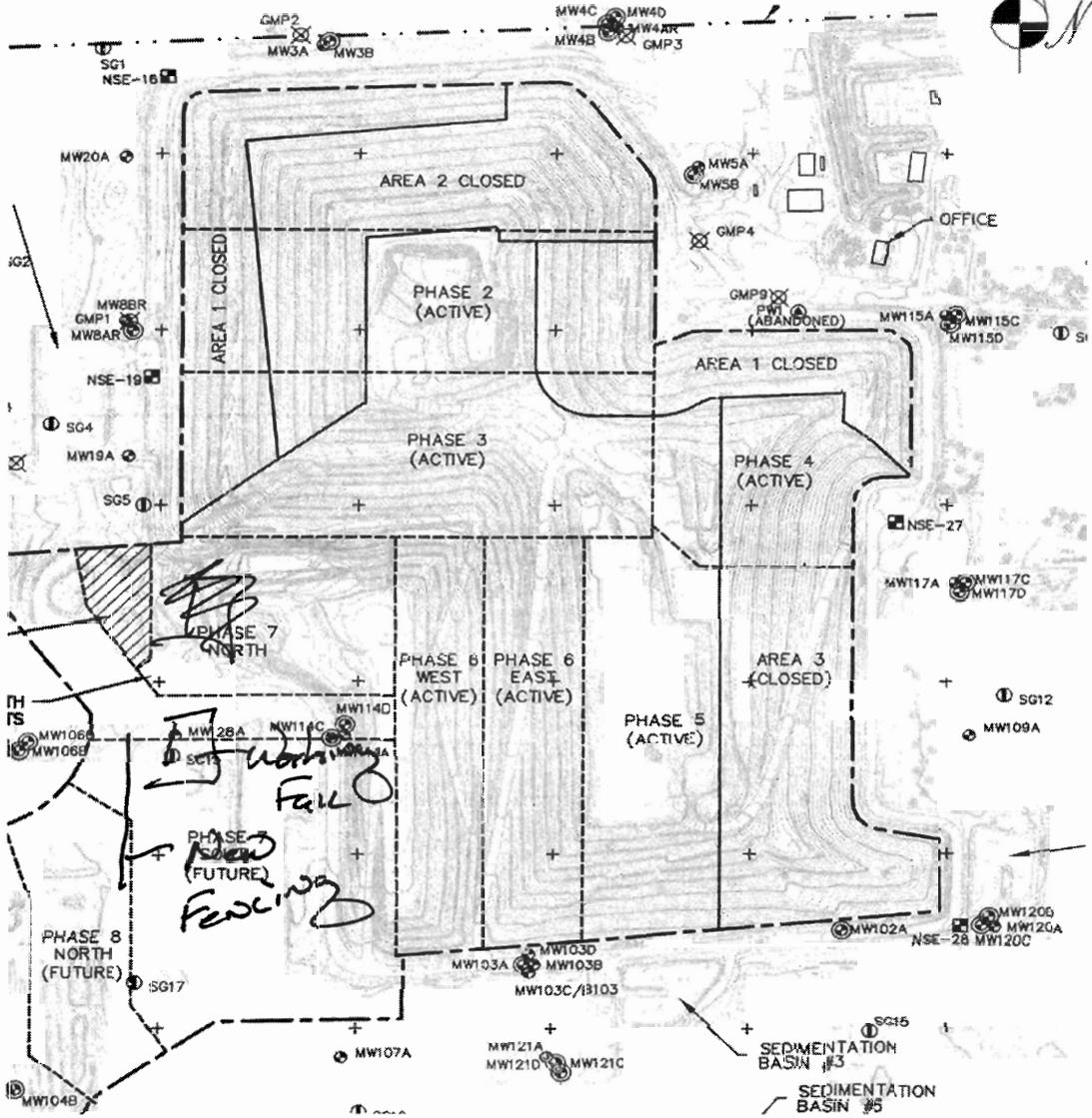
- * Contractor on site crushing concrete for secondary beneficial use on site
- * Season of Frozen loads has began excavator or backhoe dedicated to digging out frozen loads
- * Site closed on 11/27 for Holiday, Saturday hours extend until 1:30

Auditor's Signature: [Signature] Date: 11/26/14
Auditor's Printed Name: To - Walter Spear, Sr
Management Signature: [Signature] Date: 11-26-14
Management Printed Name: David Geier
Management Title: Operations Manager
JSA Principal Signature: _____ 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



Soils tipping in Phase 4/5/6 viewed from the West



Basin #1, frozen



Frozen temp sed basin, viewed from Phase 2



Working face



Working face in Phase 7B West, viewed from the North