



MEMORANDUM

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: 10/10/13
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of October 7, 2013. The audit was performed at 2:55 PM on **October 10, 2013** by Jo Spear, Jr. in the presence of David Geier.

Note; Auditor used incorrect date on his hand-written audit sheet

Landfill Operations Audit:

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

- Working face progressing to Southwest down old access road
 - Dozer removing large volumes of soils prior to waste placement;
 - Stripped soils then reused for cover
- One compactor, 1 Dozer, 1 excavator, 1 water truck & 1 haul truck in use during audit
- Autofluff & reclaimed soils used for cover
- Leachate discharging to MMSD; no recirculation
- One blower in operation; no flares, flare was in use prior to audit
 - Gas flowing to MMSD
- Vegetation in fair condition
- One storm event since last audit, approximately 1"
 - Basins have plenty of freeboard
 - Ditches clean
 - Basin side slope repairs in good shape
- No odor problems
- Liquid loads are periodic
- Litter clear both on & off-site
 - Two pickers working; litter well controlled
- US 45 & 8 Mile Road clean; site roads clean
- Tipping scale camera in use; 3 equipment operators; no spotter
 - Random load inspection on 10/9/13

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- Approximately 1,500 tons per day
- Predominately MSW
- No rejected loads
- Residential drop-off area clean; containers empty
- Autofluff loads on hold during testing
 - Expected to begin again on 10/14
 - Sufficient Autofluff and soils stockpiled
- Seeding planned for open areas of Closure Area III and out-board slopes

Construction Audit Notes:

- Newly excavated soils are now being flipped onto completed sand gradient layer
- Process of covering stockpile with topsoil in preparation for seeding has begun
- Three dozers, 2 excavators and 5 haul trucks in use
- Excavation is nearly complete

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 5/09/2013

Updated: 5/09/2013

| Item Number | DATE month/date/year | Condition Description | Permit or Contract Reference | Initial Schedule for Completion | Observed Completion Date | Elapsed Time (Days) | Notes |
|-------------|-------------------------|---|------------------------------------|--|--------------------------------|---------------------------|---|
| 1 | 5/09/2013 | Seep in Rainflap, Southwest corner of Phase 7 | | ASAP | 06/06/2013 | 28 | All contact water is being treated as leachate and pumped back into Phase 7. Repaired liner with welds. |
| 2 | 07/25/2013 | Construction entrance open and unattended | NR530.10(11 | ASAP | 07/25/2013 | 0 | David Geier, Site Manager, closed and locked gate during audit |
| | | | | | | | |
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ADVANCED DISPOSAL SERVICES EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE October 9, 2013
 Auditor on site at: Open Close

TIME 7:55

WEATHER Clear, Sunny Slight Clouds

WIND S-15'
 N E

TEMP Maximum 70 °F Minimum 55 °F

B.P. 29.5"

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

| No. | DESCRIPTION | Rented | Contracted | No. | DESCRIPTION | Rented | Contracted |
|----------|-------------|--------|------------|-----|-------------|--------|------------|
| <u>1</u> | Compactor | | | | | | |
| <u>1</u> | Dozer | | | | | | |
| <u>1</u> | Excavator | | | | | | |
| | 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 progressing South west
down old access road. Large volume of soils
being excavated to allow waste placement
and then soil used for cover



Cover Material:

Autofluff and soils

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"/> | # | 0 |
| Blowers in Operation: | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | # | 1 |
| Flare use since last audit | # | 1 | | |
| Shutdowns Since Last Audit: | # | 0 | | |
| Flow to MMSD: | # | NA | cfm | |
| Vegetation Condition: | Good <input type="checkbox"/> | Fair <input checked="" type="checkbox"/> | Poor <input type="checkbox"/> | Dead <input type="checkbox"/> |

Comments:

Gas flowing to MMSD

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:

Basins have plenty of freeboard, Ditches clean, sideslope repairs in good shape

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No odors

F. Liquid Loads Received:

Periodic



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"/> | # 2 |

Comments:

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.

US 46 & 8 Mile roads clean. Site roads clean as well

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: | 10/9/13 | | | |
| Tonnage: | 1500 TPD | | | |

Comments:

Predominantly MSW

J. Rejected Loads:

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

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

Resi-drop off clean



M. Other Comments:

- * Autofluff deliveries on hold during testing loads expected to return 10/14, plenty of Autofluff and soils stockpiled.
- * Seeding planned for open areas of ~~the~~ Closure Area III and out board slopes

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 10/9/13

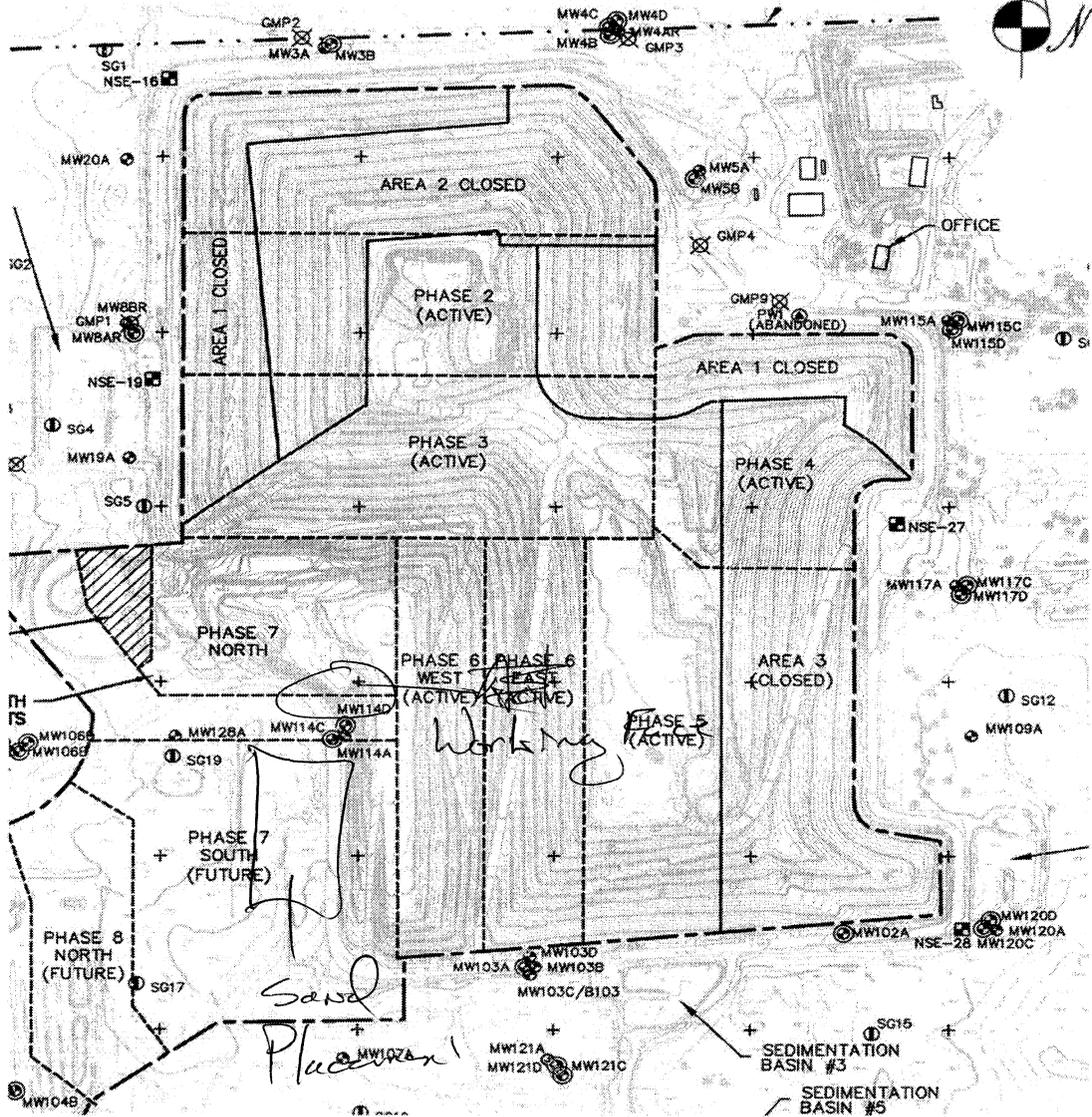
Date: 10/10/13

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
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE October 9, 2013 TIME 3:25

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

| No. | DESCRIPTION | Rented | Contracted | No. | DESCRIPTION | Rented | Contracted |
|-----|-------------|--------|------------|-----|-------------|--------|------------|
| | Compactor | | | | | | |
| 3 | Dozer | | | | | | |
| 2 | Excavator | | | | | | |
| 5 | Haul Truck | | | | | | |
| | Water Truck | | | | | | |
| | Sweeper | | | | | | |

A. Work Accomplished Today (Scheduled & Completed):

Excavation being flipped onto completed sand gradient layer.

Stockpile being covered by topsoil for seeding.



B. Excavations / Soil Management:

Excavation nearly complete

C. Off Site Hauling

| | Weight Ticket Number | Weight of Load in Pounds |
|----|----------------------|--------------------------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |

Auditor's Signature: [Signature]
Auditor's Printed Name: Joe Walter Speer, Jr
Management Signature: [Signature]
Management Printed Name: David Coeiet
Management Title: Ops Manager

Date: 10/2/13
Date: 10/10/13



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

PROJECT NO. 1012.10030



Active area



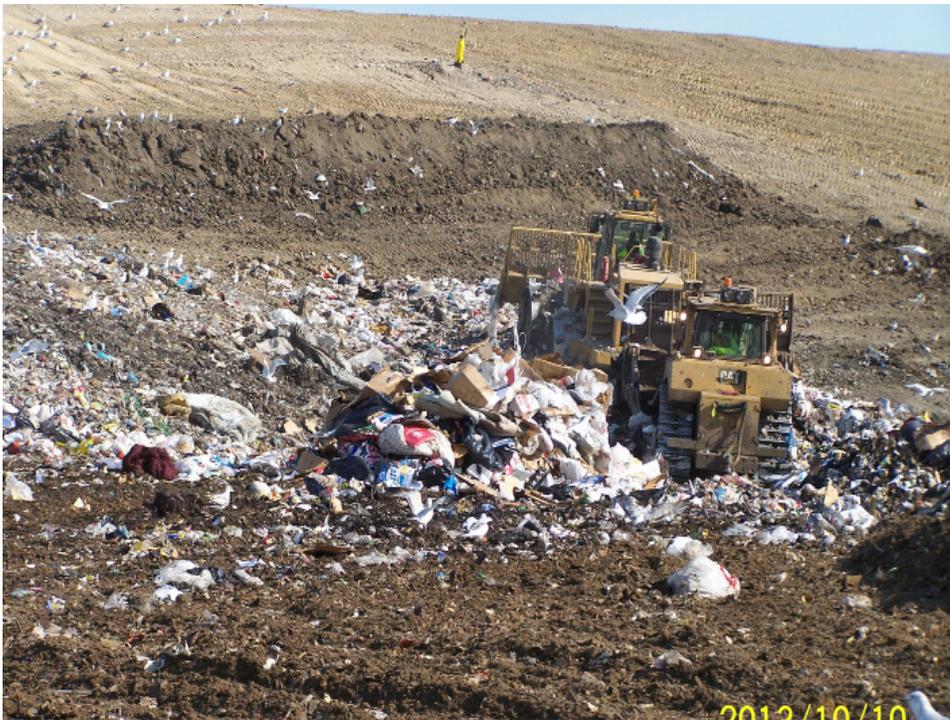
Working face



Working Face



Active area



Working face, dozer pushing waste in



Phase 8



Phase 8



Excavated area with half of gradient layer deployed



Dozer pushing out clay to allow access by haul trucks for additional tipping and develop liner



Sand placement for gradient layer



Sump area, future temp sed.basin for Phases 7&8



Western stock pile being graded



Eastern stockpile being covered with top soil for seeding