



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: 10/02/2013
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of September 30, 2013. The audit was performed at 2:15 PM on **October 2, 2013** by Jo Spear, Jr. in the presence of David Geier.

Landfill Operations Audit

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

- Working face moving Southward along old access road to Phase 7
 - Soils moved aside
 - Waste placed & packed
 - Stripped soils reused for cover
- One compactor, 1 Dozer and 1 excavator in use during audit
 - Compactor waiting for repairs
- Autofluff & recovered soils used for cover
 - Regular Autofluff delivery resumed
- Leachate discharging to MMSD; no recirculation
- One flare & one blower in operation; one shutdown since last audit
 - MMSD not receiving gas, but gas was delivered several days since last audit
- No storm events since last audit
 - Basins drying
 - Gradient layer draining into Basin #3 during audit
- No odors detected
- Liquid loads periodic
- Litter present on-site; offsite clear
 - Four pickers working; litter under control during audit
- US 45 & 8 Mile Road clear, but dusty
- Tipping scale camera in use; 2 equipment operators; no spotter
 - Random load inspection on 9/27/13

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



MEMORANDUM

- Approximately 1,500 tons per day
- No special projects; loads are MSW & C&D.
- No rejected loads
- Drop-off boxes ready for residential drop-off day
- New scale operator training this week; starting Monday
- Brown clay soil added to the tops of Phases 5&6 prior to seeding
 - Seeding scheduled by or before 10/15

Construction Audit

- Excavation has reached gradient layer level in approximately 25% of excavation area
 - Sand delivery for gradient layer starting in Northeast corner of excavation
- Roughly $\frac{1}{4}$ of excavation is completed
- Excavation started for sump and temporary basin in preparation for coming rain event

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 2, 2013
 Auditor on site at: Open Close

TIME 2:15

WEATHER Clear, Sunny, Warm

WIND 0-10.
 N S E W

TEMP Maximum 70 °F Minimum 55 °F

B.P. 30.10

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 | Recompactor | | ✓ | | | | |
| | | | | | | | |

A. Working Face Size and Location:

Working face moving down, south along old access road to Phase 7. Soils are moved aside for placement of waste and then covered up.



Cover Material:

Soils recovered from road and autoleak
Autoleak delivery volume restored

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: | | | # | 1 |
| Flow to MMSD: | | | # | cfm |
| Vegetation Condition: | Good <input type="checkbox"/> | Fair <input checked="" type="checkbox"/> | Poor <input type="checkbox"/> | Dead <input type="checkbox"/> |

Comments:

MMSD not receiving gas, did deliver
several days last 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:

Basins drying, gradient layer draining during
Audit, into Basin # 3

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No odors detected

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"/> | # 4 |

Comments:

Litter was reported to be heavy earlier in the day but well under control 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 & 8 Mile road clean 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"/> | # | 2 |
| Spotter: | YES <input type="checkbox"/> | NO <input checked="" type="checkbox"/> | # | |
| Random Load Inspection Dates: | 9/27/13 | | | |
| Tonnage: | 7,134 TPD / 511 TPD | | | |

Comments:

Loads are MSW ~~MSW~~ and C&D

J. Rejected Loads:

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

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

Bins emptied for Resi - drop off day



M. Other Comments:

* Scale operator replacement being trained this week and to start Monday

* Brown clay soil is being added to the top of Phases 5 & 6 prior to seeding. Seeding to be done by or before 10/15

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 10/2/13

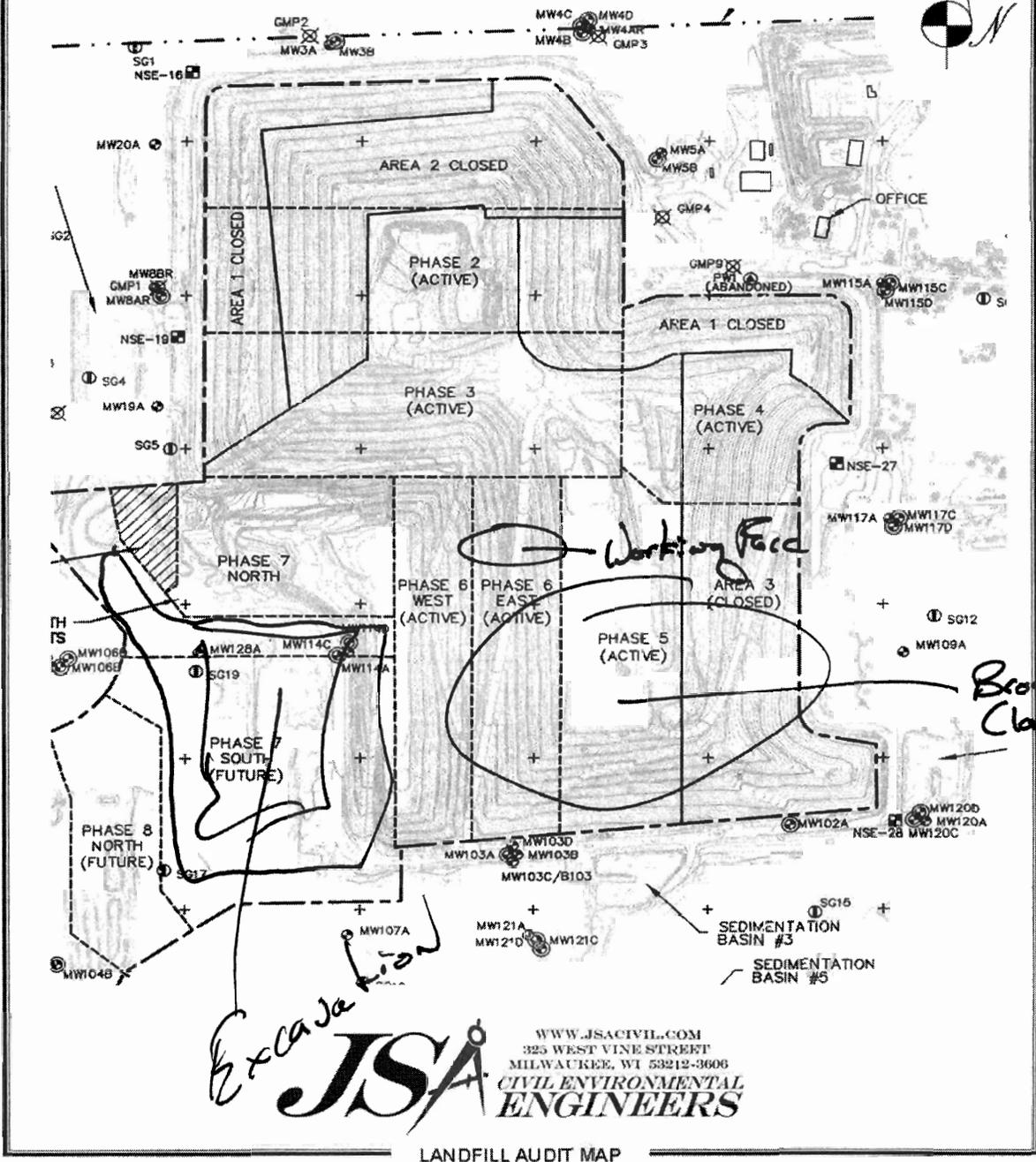
Date: 10/2/13

Date: _____



ADS EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



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 2, 2013 TIME 3:45

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

| No. | DESCRIPTION | Rented | Contracted | No. | DESCRIPTION | Rented | Contracted |
|-------------|-------------|--------|------------|-----|-------------|--------|------------|
| 4 3 1 | Compactor | | | | | | |
| | Dozer | | | | | | |
| | Excavator | | | | | | |
| | Haul Truck | | | | | | |
| | Water Truck | | | | | | |
| | Sweeper | | | | | | |

A. Work Accomplished Today (Scheduled & Completed):

Sand being delivered for gradient layer placement starting in Northeast corner of the excavation. Single truck delivery

Excavation has reached gradient layer placement in ~ 25% of excavation area



B. Excavations / Soil Management:

1/4 Excavation is completed. Sump & Temp Basin being excavated for coming rain event

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 Walters Spear, Jr
Management Signature: [Signature]
Management Printed Name: David Geist
Management Title: Ops Manager

Date: 10/2/12
Date: 10/2/12



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

PROJECT NO. 1012.10030



Phase 6, West slope, dressed with brown clay and under going gas field repairs.



Contractor and site gas tech repairing lines



Working Face



Compactor placing and compacting waste



Dozer cleaning up limits of today's waste placement



Active area



Repairs on gas lines in Phase 6



Tipping trucks in working face



Working face



Excavation receiving sand for gradient layer



West extreme of excavation



Sand delivery



Northern portion of excavation



Excavation half completed and sand loads for gradient layer are being delivered



West half of excavation being excavated along with side slopes



Sump excavation



Sump at base of Phase 7 & 8, will be expanded to act as a temp sed basin.



Excavation of sump



Eastern stock pile



View of Phase 1, Closure Area 1, from North