



MEMORANDUM

ADS Emerald Park Landfill Audit Summary

TO: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 07/31/14
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of July 7, 2014. The audit was performed at 10:30 AM on **July 10, 2014** 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:

- One Working Face
 - Working face in Phase 7B along North edge, against Phase 7 South slope
 - Active area well covered outside of Working Face
- One compactor, one dozer, a haul truck, and water truck
 - D8 Dozer not in service due to breakage
- Autofluff, Poly shred, and C&D stockpiled for cover
- All leachate discharging to MMSD; no recirculation
- No flares since last audit
 - One blower in operation
 - Gas flow to MMSD steady at 1,500 cfm
- Two storms at the start of the week, low volume
- No noticeable odors on or off-site
- Liquid loads periodic; directed to Phase 7
- No litter on or off site
 - Two pickers at work
 - Litter conditions minimal
- US 45 and 8 Mile Road clean; site roads dusty
- Scale camera in use; 4 equipment operators; no spotter
 - Receiving approximately 2,200 TPD
 - Random load inspection on 7/2/14
 - No rejected loads
- Residential area closed
 - E-Waste contract ended, no new contract, but E-waste still being dropped off on open days
- Berm about shooting range repaired by Mueller
- Clay back haul expected at end of July
- Slope restoration by Terra hired contractor begun
- Mueller cleaned and restored stormwater system on West side of Phases 1-3
- Construction activities
 - Mueller excavating basin for stockpile runoff

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

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

PROJECT NO. 1020.10030

DATE July 10, 2014
 Auditor on site at: Open Close

TIME 10:30

WEATHER Clear Sunny, Summer Day

WIND No Winds
 N S E W

TEMP Maximum 71 °F Minimum 58 °F B.P. 30.17

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

| No. | DESCRIPTION | Rented | Contracted | No. | DESCRIPTION | Rented | Contracted |
|----------|--------------------|--------|------------|-----|-------------|--------|------------|
| <u>1</u> | <u>Compactor</u> | | | | | | |
| <u>1</u> | <u>Dozer</u> | | | | | | |
| | <u>Excavator</u> | | | | | | |
| <u>1</u> | <u>Haul Truck</u> | | | | | | |
| <u>1</u> | <u>Water Truck</u> | | | | | | |
| | <u>Grader</u> | | | | | | |

MAJOR EQUIPMENT BONEYARD

| No. | DESCRIPTION | Broken | Maintenance | No. | DESCRIPTION | Broken | Maintenance |
|----------|-----------------|--------|-------------|-----|-------------|--------|-------------|
| <u>1</u> | <u>DB Dozer</u> | | | | | | |
| | | | | | | | |

A. Working Face Size and Location:

Working face only in phase 7B along North
edge against Phase 7. Active Area
well covered.



Cover Material:

Auto-luff, plastic sheet, 1/2" (1/2")

B. Leachate Management:

Discharge to MMSSD 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: | # | | | |
| Flow to MMSSD: | # 1,500 | | cfm | |
| Vegetation Condition: | Good <input checked="" type="checkbox"/> | Fair <input type="checkbox"/> | Poor <input type="checkbox"/> | Dead <input type="checkbox"/> |

Comments:

System online since last audit

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:

Storms at the beginning of the week.

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No odors on or off site

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 conditions minimal.

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 are clean, site roads 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"/> | # | |
| Spotter: | YES <input type="checkbox"/> | NO <input checked="" type="checkbox"/> | # | |
| Random Load Inspection Dates: | <i>7/2/14</i> | | | |
| Tonnage: | <i>2,200 TPD</i> | | | |

Comments:
MSW tipping only

J. Rejected Loads:

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

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



M. Other Comments:

- * Shooting range berm repaired last week
fencing will most likely not be restored
- * Clay back hauls for contractors at the
end of this month.
- * Slope restoration on inner slope of
Phases 3-6. ongoing.
- * Contractor cleared and cleaned ditches
along West edge of footprint.

Auditor's Signature: [Signature]
Auditor's Printed Name: Dr. Walter Spear, Jr
Management Signature: [Signature]
Management Printed Name: David Geier
Management Title: Operations Manager
JSA Principal Signature: _____

Date: 7/10/14
Date: 7-10-14
Date: _____



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

PROJECT NO. 1020.10030

DATE July 10, 2014 TIME 10:45

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

| No. | DESCRIPTION | Rented | Contracted | No. | DESCRIPTION | Rented | Contracted |
|-----|-------------|--------|------------|-----|-------------|--------|------------|
| | Compactor | | | | | | |
| 1 | Dozer | | | | | | |
| 1 | Excavator | | | | | | |
| 2 | Haul Truck | | | | | | |
| | Water Truck | | | | | | |
| | Sweeper | | | | | | |

A. Work Accomplished Today (Scheduled & Completed):

* Mueller constructing Basins for storm water runoff from stockpile. Excavate from Basin being used for added to stockpile.



B. Excavations / Soil Management:

NA

C. Off Site Hauling

| | Weight Ticket Number | Weight of Load in Pounds |
|----|----------------------|--------------------------|
| 1 | <i>NA</i> | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |

Auditor's Signature: _____
 Auditor's Printed Name: Jo-Valter Woods, Jr
 Management Signature: _____
 Management Printed Name: David Coier
 Management Title: Operations Manager

Date: 7/10/14
 Date: 7-10-14



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

PROJECT NO. 1012.10030



Berm behind shooting range repaired and protected.



Basin for stockpile runoff in Future Parkland



Construction of stockpile basins in Future Parkland



Sump area, additional excavation to be done by Site staff



Phase 7B viewed from Northwest



Completed liner viewed from Northwest.



West slope of Phase 6 into Phase 7B



Dozer spreading clay to restore slope conditions Phase 6.



South and West of Phases 4 & 6



Junction between completed new base and Phase 7B



Active area viewed from North



Active area



Leachate collection system for Phase 6 completed

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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