



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: 12/30/2013
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of December 16, 2013. The audit was performed at 11:10 AM on **December 16, 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 in Phase 7 creating a new lift
 - Receiving MSW only today
- One compactor and 2 Dozers in use during audit
 - D6 repaired and back in service; no equipment down
- C&D with Autofluff used for cover
- Leachate discharging to MMSD; no recirculation
- One blower in operation; no flares
 - Flare used occasionally
 - 750 cfm to MMSD
 - Delivery to MMSD ongoing
- Two snow storm events since last audit; approximately 3"
 - Site conditions frozen; no flowing water on site
- Odor near active area
- Liquid loads are periodic
- Litter present on site; clear off-site
 - Two pickers active
 - Litter caught in fences due to windy conditions
- US 45 & 8 Mile Road; patchy with snow & ice
- Tipping scale camera in use; 3 equipment operators; no spotter
 - Approximately 1,500 tons per day
 - Random load inspected on 12/13/13

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- No rejected loads
- MSW only coming in
- Residential drop-off area clean and in operation
 - Containers available to public
- Site schedule to close next two Wednesdays, 12/25 and 1/1/14
- Longer hours scheduled for following Saturdays
- Previously stockpiled soils under relocation for daily and intermediate cover uses

Construction Audit Notes:

- One dozer and 3 haul trucks in use
- Relocating stockpiled soils from Phase 8 excavation to active area for use as cover

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 December 16, 2013
 Auditor on site at: Open Close

TIME 11:10

WEATHER Cold, clear, very sunny

WIND 0-5
 N E

TEMP Maximum 17 °F Minimum 13 °F

B.P. 30.13

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

| No. | DESCRIPTION | Rented | Contracted | No. | DESCRIPTION | Rented | Contracted |
|----------|-------------|--------|------------|-----|-------------|--------|------------|
| <u>1</u> | Compactor | | | | | | |
| <u>2</u> | Dozer | | | | | | |
| | Excavator | | | | | | |
| | Haul Truck | | | | | | |
| | Water Truck | | | | | | |
| | Grader | | | | | | |

MAJOR EQUIPMENT BONEYARD

| No. | DESCRIPTION | Broken | Maintenance | No. | DESCRIPTION | Broken | Maintenance |
|-----|-------------|--------|-------------|-----|-------------|--------|-------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

A. Working Face Size and Location:

Working face, a new lift in Phase 7 is
Northwest corner MSW only being
revised today



Cover Material:

C&D with autoflag

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"/> | # | 1 |
| Blowers in Operation: | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> | # | 1 |
| Flare use since last audit | # | NA | | |
| Shutdowns Since Last Audit: | # | NA | | |
| Flow to MMSD: | # | 750 | cfm | |
| Vegetation Condition: | Good <input checked="" type="checkbox"/> | Fair <input type="checkbox"/> | Poor <input type="checkbox"/> | Dead <input type="checkbox"/> |

Comments:

Delivery to MMSD ongoing

D. Surface Water Management:

Storm Events Since Last # 2 Est. Volume 23'

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

Snow storms from last week. Site conditions frozen, no flowing water

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Odor about active area

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:

Litter caught references

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

US45 & 8 Mile clean, side roads with patchy snow/ice

I. Inspection of incoming Waste:

| | | | | | | |
|-------------------------------|-----|-------------------------------------|----|-------------------------------------|---|-----------|
| Scale Camera Operator: | YES | <input checked="" type="checkbox"/> | NO | <input type="checkbox"/> | # | |
| Equipment Operator: | YES | <input checked="" type="checkbox"/> | NO | <input type="checkbox"/> | # | 3 |
| Spotter: | YES | <input type="checkbox"/> | NO | <input checked="" type="checkbox"/> | # | 1 |
| Random Load Inspection Dates: | | | | | | 12/13/13 |
| Tonnage: | | | | | | 1,300 TPD |

Comments:

Mow only

J. Rejected Loads:

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

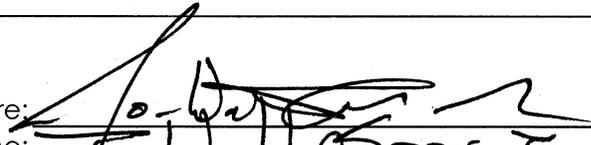
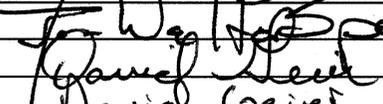
L.

| | | | | |
|-----------------------|-------------------|--------------------------|---------------------------|-------------------------------------|
| Residential Drop Off: | Open During Audit | <input type="checkbox"/> | E-Waste Container Present | <input checked="" type="checkbox"/> |
|-----------------------|-------------------|--------------------------|---------------------------|-------------------------------------|



M. Other Comments:

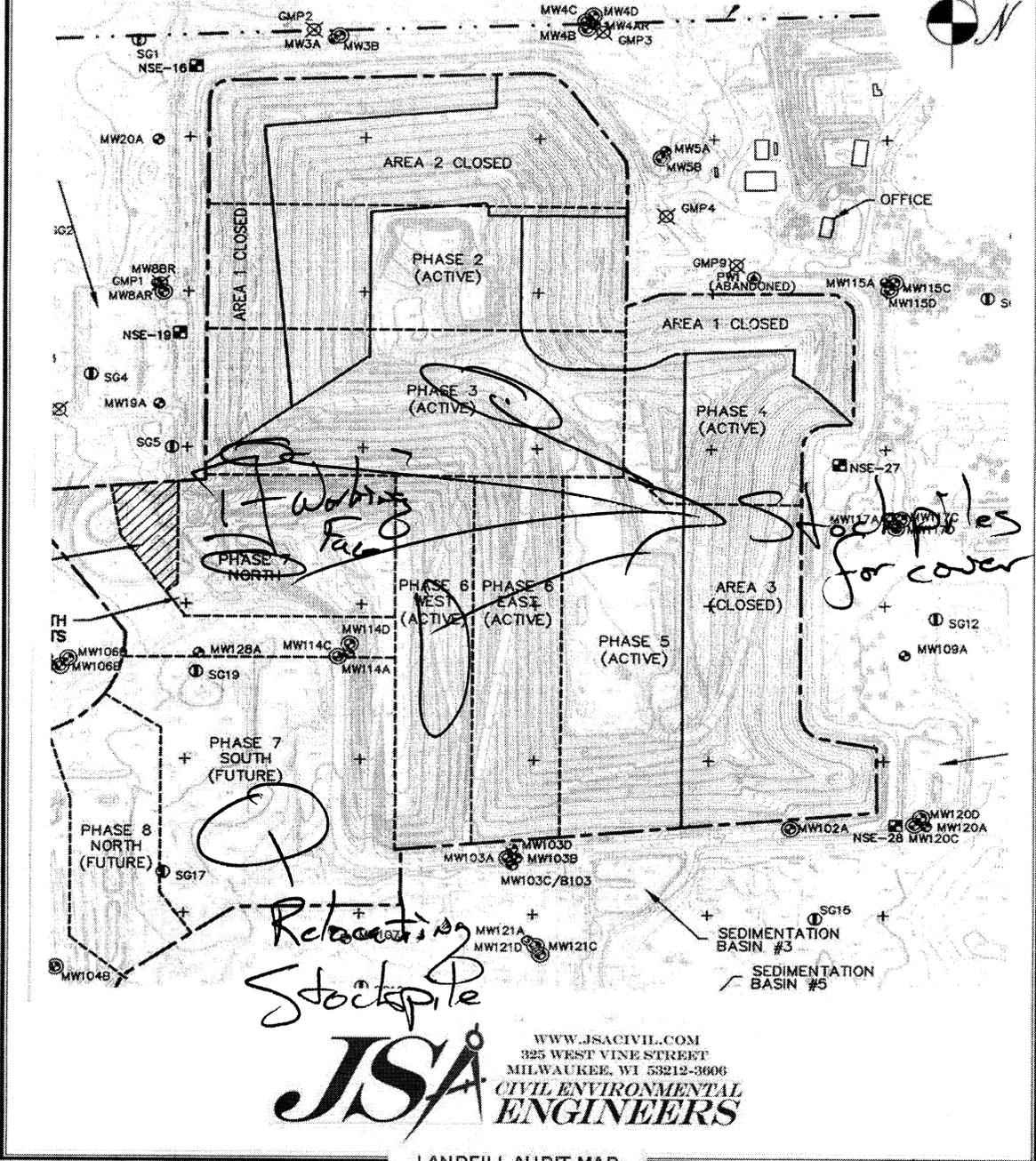
- * Site closed the next two Wednesdays 12/25 & 1/1/14 longer hours on following Saturday
- * D6 Repaired and is ~~surface~~ ^{in use}, no equipment down.
- * Previously stockpiled soils being relocated for daily and intermediate cover uses.

Auditor's Signature:  Date: 12/16/13
Auditor's Printed Name: _____
Management Signature:  Date: 12-16-13
Management Printed Name: David Coeiet
Management Title: Operations Manager
JSA Principal Signature: _____ 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

B. Excavations / Soil Management:

C. Off Site Hauling

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

Auditor's Signature: *[Signature]*
Auditor's Printed Name: Sp-Walter Spear, Sr
Management Signature: _____
Management Printed Name: _____
Management Title: _____

Date: 12/16/13
Date: _____



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

PROJECT NO. 1012.10030



Active area viewed from Office Parking lot



Autofluff stockpile



C&D material stockpiled for placement before cover



Brown clay soils being stockpiled about active area



Working face



Phase 8



Contractor relocating brown clay from stock pile to active area for cover use