



MEMORANDUM

ADS Emerald Park Landfill Audit Summary

TO: ADS Emerald Park Landfill Standing Committee, City of Muskego
FROM: Faith Spear.
COPIES: File
DATE: 09/26/14
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of September 1, 2014. The audit was performed at 2:35 PM on **September 4, 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 split; materials suitable for fluff layer going into in Phase 7B West
 - Rougher materials placed in Phase 7
 - Fluff layer expected to be completed in Phase 7B West this week
 - Soils loads tipped in Phase 5
- One compactor & two dozers in use during audit
 - One D8 in for repair
- Auto fluff, foundry sand and plastic shred used for daily cover

- All leachate discharging to MMSD; no recirculation
- Gas plant delivering 1,600 cfm
 - Consistent gas delivery except for recharge
 - No flares in operation
 - One blower in operation
 - No shut-downs since last audit

- Three storm events since last audit; estimated 3.5"
 - Basins have freeboard
 - Ditches clean or scheduled for cleaning
 - Erosion on South slope of Phase 5 on downslope flume area
- Odors in active face area only
- No odor off-site
- Periodic liquid loads directed to Phase 7

- Litter clear both on and off-site
 - Two pickers working
 - Pickers cleaning "old" e-waste container during audit
- US 45 and 8 Mile Road clean; site roads gritty and dusty

- Scale camera in use; 2 equipment operators; no spotter
 - Receiving approximately 2,000 tpd

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- Landfill direct and bio-soils placed on Phase 5
- MSW loads split between fluff layer and Phase 7
- Random load inspection 9/4/14
- No rejected loads

- Residential drop-off site clean
 - New e-waste container provided by new contractor

- Autofluff and plastic shred volumes expected to decline
 - Daily cover will incorporate more foundry sands and soils
- No contractors on site this week

- Erosion repairs to South slope expected to begin on 9/8/14

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 September 4, 2014
 Auditor on site at: Open Close

TIME 2:35

WEATHER Low clouds and sun

WIND 0-10
 N E W

TEMP Maximum 88 °F Minimum 72 °F B.P. 29.88

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

| No. | DESCRIPTION | Broken | Maintenance | No. | DESCRIPTION | Broken | Maintenance |
|----------|-----------------|-------------------------------------|-------------|-----|-------------|--------|-------------|
| <u>1</u> | <u>D8 Dozer</u> | <input checked="" type="checkbox"/> | | | | | |

A. Working Face Size and Location:

Working face for MSW split for placement
of fluff layer and in Phase F3.
Fluff layer to be complete this
week in Phase F3 West
Soils tipped in Phase S



Cover Material:

Auto-fluff, Plastic Shred, & foundation sand,

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 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 | # | None | | |
| Shutdowns Since Last Audit: | # | NA | | |
| Flow to MMSD: | # | 1600 | cfm | |
| Vegetation Condition: | Good <input checked="" type="checkbox"/> | Fair <input type="checkbox"/> | Poor <input type="checkbox"/> | Dead <input type="checkbox"/> |

Comments:

Gas delivery consistent except for rechange

D. Surface Water Management:

| | | | |
|-------------------------|-----|-------------|-------------------|
| Storm Events Since Last | # 3 | Est. Volume | 3.5 ¹¹ |
|-------------------------|-----|-------------|-------------------|

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 or be cleaned
South slope of Phase 5 has erosion in downslope
flume area.

E. Odor Control:

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

Comments:

Odor about working face only

F. Liquid Loads Received:

Periodic to Phase 7



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"/> | # |

Comments:

Pickers cleaning "old" E-Waste container 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 & B Mile clean, site roads ~~and~~ gritty and 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"/> | # | 3 |
| Spotter: | YES <input type="checkbox"/> | NO <input checked="" type="checkbox"/> | # | |
| Random Load Inspection Dates: | 9/4/14 | | | |
| Tonnage: | ~ 2,000 TPD | | | |

Comments:

Landfill Direct & Bio Solids along with MSW, soils arising on Phase 5, New split between lift layers of Phase 7.

J. Rejected Loads:

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

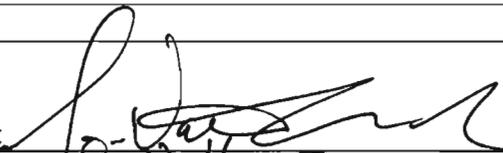
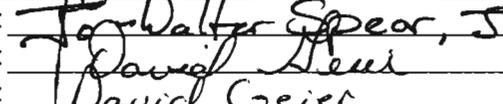
L. Residential Drop Off: Open During Audit E-Waste Container Present

New contractor has provided E-Waste collection Box



M. Other Comments:

- * Autohuff volumes & Plastic shroud volumes expected to decline. Daily cover will incorporate more founding sands & Soils
- * No contractor activity this week.
- * Erosion repairs to Phase 5 South Slope expected to begin on 9/8/14

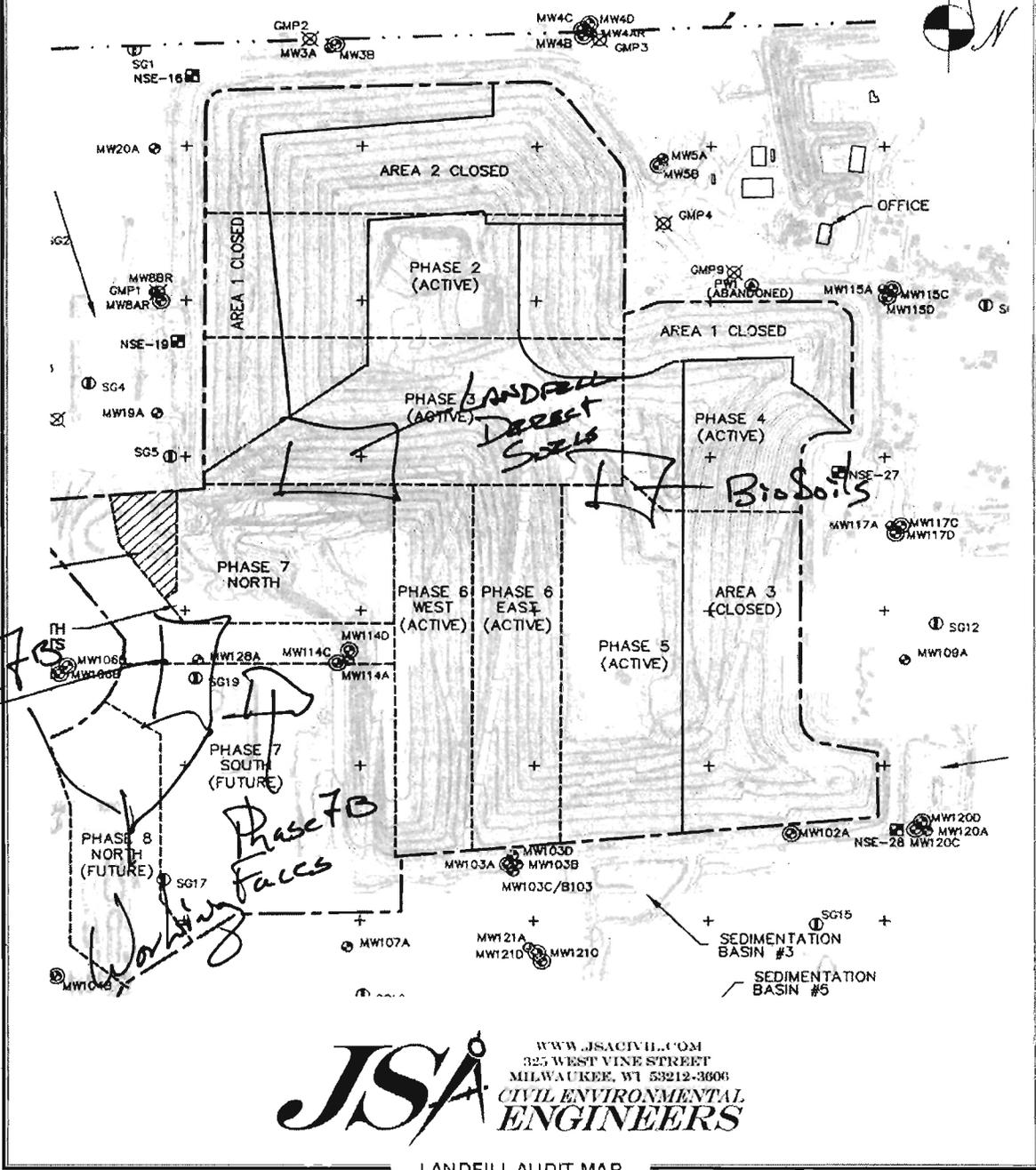
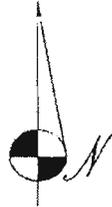
Auditor's Signature: 
Auditor's Printed Name: Jay Walter Spear, Jr
Management Signature: 
Management Printed Name: David Geier
Management Title: Operations Manager
JSA Principal Signature: _____

Date: 9/4/14
Date: 9-4-14
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

B. Excavations / Soil Management:

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: _____
Auditor's Printed Name: _____
Management Signature: _____
Management Printed Name: _____
Management Title: _____

Date: _____
Date: _____



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

PROJECT NO. 1012.10030



New E-Waste Container in Resi-drop-off



Autofluff stockpile in Phase 5/6



Bio soil in Phase 5



Sump for Phase 7, draining during audit and has free board



Active area viewed from the North



Phase 7B viewed from the South



Phase 7B West viewed from the South