



## MEMORANDUM

# ADS Emerald Park Landfill Audit Summary

**TO:** ADS Emerald Park Landfill Standing Committee, City of Muskego  
**FROM:** Faith Spear.  
**COPIES:** File  
**DATE:** 06/03/14  
**PROJECT NUMBER:** 1012.10030

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Attached is the audit report for activities at the ADS Emerald Park Landfill for the week of May 5, 2014. The audit was performed at 11:45 AM on May 6, 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 in middle of Phase 7B
  - Receiving MSW and Demolition Wastes
  - Working face in Northeast corner of Phase 7B
  - Soils excavated from South slope of Phase 7 for use as cover
  - Soils were originally tipped there in 2013
  - Wood chips & seconds providing additional cover
  - Access roads using wood chips, too
- One compactor, one dozer, one excavator and one haul truck in operation
  - D8 dozer in boneyard
- All leachate discharging to MMSD; no recirculation
- No flares in operation
- One blower in operation
  - Gas flow to MMSD steady at 1,650 cfm
  - Gas plant running smoothly
  - vegetation in fair condition
- Two storms since last audit; less than 1"
  - Basins have free-board
  - temporary sediment basin pumping down
- Some gas odor about gas collection construction area
- Liquid loads periodic
- Litter on-site, but clear off-site
  - Pickers at work on US 45
  - Finishing picking on Loomis Road
- US 45 and 8 Mile Road clean; site roads dusty
  - US 45 swept during audit
- Scale camera in use; 1 equipment operator; no spotter
  - Receiving approximately 2,000 TPD
  - MSW and Demo Wastes tipping in Phase 7B
  - Random load inspection on 5/2/14

### Attachments:

Action Items List / Landfill Operations Audit Form  
Audit Photos



## MEMORANDUM

- No rejected loads
- E-Waste box in Residential drop-off is over-filled with large TV sets awaiting removal
- Autofluff not received, so stockpiled soil being used as cover
- Mueller Construction active on-site

### Construction Audit:

- Two dozers, 4 excavators, 2 haul trucks and 2 track loaders in use
- Mueller Construction installing ditch lines and culvert pipe for draining temporary sedimentation basin
- Terra installing wells and headers around landfill footprint
- See photos
- No soils taken off-site
- Excavation in current footprint only

### 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<br>month/date/year | Condition Description | Permit or<br>Contract<br>Reference | Initial<br>Schedule<br>for<br>Completion | Observed<br>Completion<br>Date | Elapsed<br>Time<br>(Days) | Notes |
|-------------|-------------------------|-----------------------|------------------------------------|--|--------------------------------|---------------------------|-------|
|             |                         |                       |                                    |  |                                |                           |       |
|             |                         |                       |                                    |  |                                |                           |       |
|             |                         |                       |                                    |  |                                |                           |       |
|             |                         |                       |                                    |  |                                |                           |       |
|             |                         |                       |                                    |  |                                |                           |       |
|             |                         |                       |                                    |  |                                |                           |       |
|             |                         |                       |                                    |  |                                |                           |       |
|             |                         |                       |                                    |  |                                |                           |       |
|             |                         |                       |                                    |  |                                |                           |       |
|             |                         |                       |                                    |  |                                |                           |       |



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

PROJECT NO. 1020.10030

DATE April 30, 2014

TIME 12:10

Auditor on site at:  Open  Close

WEATHER Overcast with some Sun

WIND 10-15  
N  E W

TEMP Maximum 52 °F Minimum 41 °F

B.P. 29.69

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

| No. | DESCRIPTION | Broken | Maintenance | No. | DESCRIPTION | Broken | Maintenance |
|-----|-------------|--------|-------------|-----|-------------|--------|-------------|
| 1   | DB Dozer    | ✓      |             |     |             |        |             |
|     |             |        |             |     |             |        |             |
|     |             |        |             |     |             |        |             |

A. Working Face Size and Location:

Working face N Northeast corner of Phase 7B  
Site receiving MSW, C&D being  
received in Phase 7B. C&D being used  
to aid daily cover placement.



Cover Material:

Autocluff available, soils, CED, & wood seconds  
in use for daily

B. Leachate Management:

Discharge to MMSD  Recirculation

Phases: 6W

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"/>            | #         |  |
| Flare use since last audit  | #                                       |  | 1         |  |
| Shutdowns Since Last Audit: | #                                       |  | 1         |  |
| Flow to MMSD:               | #                                       |  | 1,500 cfm |  |

Vegetation Condition: Good  Fair  Poor  Dead

Comments:

Consistent delivery to MMSD

D. Surface Water Management:

Storm Events Since Last # 3 Est. Volume 72"

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

Russia's landscape board, toe drains flowing  
ditches low flow

E. Odor Control:

Odors Present: Onsite  Offsite

Comments:

No odors

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:

Minimal litter about active Area

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 Clean, Site roads gritty & Muddy in spots

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: | 4/25/14                                 |  |   |   |
| Tonnage:                      | ~ 2,000 TPD                             |  |   |   |

Comments:

MSW and Construction Demolition Wastes being reviewed.

J. Rejected Loads:

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

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

Site Clean, boxes mostly empty



M. Other Comments:

\* Site receiving wood chips for cover of road base.

\* Mueller construction set back on schedule due to weather conditions and wet soils.

\* Temp Sed Basin pump off during audit but will be turned on this afternoon.

\* Site pursuing other daily cover alternatives due to lack of autofluff.

Auditor's Signature: \_\_\_\_\_

Auditor's Printed Name: \_\_\_\_\_

Management Signature: \_\_\_\_\_

Management Printed Name: \_\_\_\_\_

Management Title: \_\_\_\_\_

JSA Principal Signature: \_\_\_\_\_

Date: 4/30/14

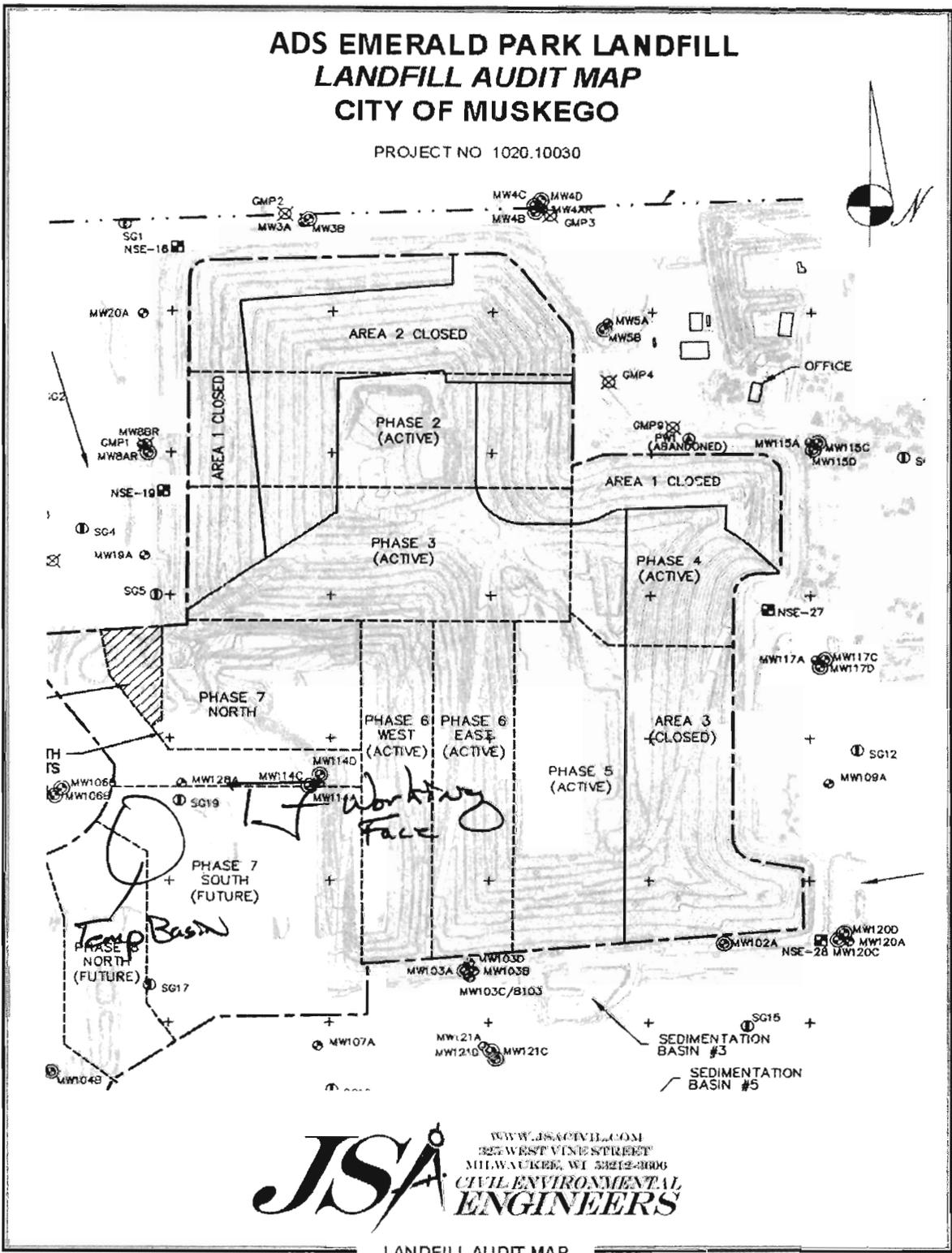
Date: 4/30/14

Date: \_\_\_\_\_



# ADS EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO 1020.10030



**JSA**  
 WWW.JSA.CIVIL.COM  
 325 WEST VINE STREET  
 MILWAUKEE, WI 53212-3800  
**CIVIL ENVIRONMENTAL  
ENGINEERS**

LANDFILL AUDIT MAP



B. Excavations / Soil Management:

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C. Off Site Hauling

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

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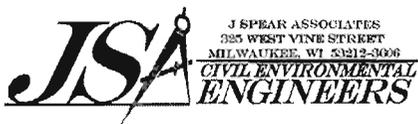
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Auditor's Signature: [Signature]  
Auditor's Printed Name: Joseph A. Speer, Sr.  
Management Signature: [Signature]  
Management Printed Name: David Geiser  
Management Title: Operations Manager

Date: 4/30/14  
Date: 4/30/14



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

PROJECT NO. 1012.10030



Working face in Northeast corner of Phase 7B



Sump and landfill footprint flooded



Working face viewed from Southwest



Wood chips purchased for road base in active area



Landfill footprint expansion being prepared for gradient drainage layer install.