

1.0 INTRODUCTION

This annual inspection report has been prepared to meet the requirements of 40 CFR 257.84(b).

The active area of the Caledonia Ash Landfill is divided into a disposal area and various segregated coal combustion residuals (CCR) stockpiles, which are staged for eventual beneficial utilization. The Caledonia Ash Landfill also includes areas that have been filled and have a final cover in place.

2.0 ANNUAL SITE INSPECTION

The annual inspection by a qualified professional engineer to meet the requirements of 40 CFR 257.84(b) was conducted by Timothy C. Muehlfeld on November 17, 2017. The inspection form and photos are attached and the inspection results are summarized below.

3.0 INSPECTION RESULTS

Review of Available Information:

Review of the weekly inspections by a qualified person was conducted as part of the annual site inspection. There were no significant issues identified during the weekly inspections and action items were addressed in a timely manner. The weekly inspections were complete and are included in the operating record. This inspection also included a review of the previous annual inspection report contained in the operating record.

Discussion of Visual Inspection:

The annual site inspection included an inspection of the perimeter berms, waste surfaces and slopes, final covers, interior and exterior storm water controls, the leachate collection list station, the leachate storage and load-out controls, the leachate load-out pad, the site access road and the cell entrance.

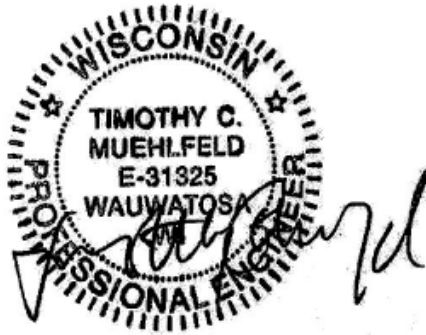
There were no signs or evidence of any distress or malfunction of the CCR unit, or any conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR unit. The perimeter berms and waste slopes did not show any evidence of structural weakness or instability. The leachate lift station and load-out facilities were operational and there was plenty of available space for leachate storage in the leachate collection system and storage tanks. The interior and exterior storm water controls were free of obstruction and provided plenty of capacity for storm water storage and conveyance. The access road, load-out pad and cell entrance were clean and free of obstructions. The fugitive dust control plan appears to be effective as there was no evidence of fugitive dust around the perimeter of the landfill.

4.0 APPROXIMATE VOLUME OF CCR CONTAINED IN THE UNIT

At the time of the annual inspection, there were approximately 1,625,000 cubic yards of CCR disposed of at the Caledonia Ash Landfill.

5.0 CERTIFICATION

I, Timothy C. Muehlfeld, hereby certify that I am a licensed professional engineer in the State of Wisconsin in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in 40 CFR 257.84.



CALEDONIA LANDFILL - WEEKLY INSPECTION & CONDITION SUMMARY

INSPECTOR: Tim Muehlfeld
INSPECTION DATE/TIME: 11/17/2017

WEATHER:

Temperature: 38° F
 Conditions: Overcast
 Wind: Moderate
 Wind Direction: SE
 Precipitation: None

LEACHATE COLLECTION SYSTEM:

| <u>Load-out Facility:</u> | <u>South Tank</u> | <u>North Tank</u> | <u>Lift Station:</u> |
|---------------------------|-------------------|-------------------|--|
| High level alarms: | No | No | Pump #1: Green |
| Low level alarms: | No | Yes | Pump #2: Green |
| Leak alarms: | No | No | Control Panel: Green |
| Levels: | Half | Empty | Inlet Pipes: Exposed |
| Pump: | Green | | Note: Exposed inlet pipes means leachate is free-flowing into lift station |
| Pad Condition: | Good | | |

Visual inspection of all leachate manhole inverts performed on

Note: LCS cleaned recently. Working on balancing tanks to fill evenly.

WETLAND CONTROL

| | | |
|-------------------------------------|-----|---|
| Pump station operational : | Yes | Pump Discharge: |
| Wetland level below culvert inlet : | Yes | Note: If wetland level is above culvert inlet, make sure pump is discharging into ditch on east side of access road |
| Culvert inlet clear : | Yes | |
| Comments : | | |

Note:

STORMWATER / EROSION CONTROLS / SLOPE STABILITY

| | |
|--|---|
| Landfill Perimeter Ditches: <input checked="" type="checkbox"/> | |
| Ditch Check Dams : <input checked="" type="checkbox"/> | |
| Silt Fence @ Soil Stockpiles : <input checked="" type="checkbox"/> | |
| Diversion Berms, Ditches & Check Dams @ Clay Stockpile : <input checked="" type="checkbox"/> | <u>Stability/Erosion of Covers & Waste Slopes:</u> |
| Culverts (Inlets & Outlets) : <input checked="" type="checkbox"/> | Appear stable & no significant erosion: Yes |
| Comments : | |
| Soil stockpiles are fully vegetated - no disturbed areas | |
| <i>Is this a special inspection after a rainfall event of greater than 0.5"? No</i> | |
| on: | |

Note: Check mark indicates that the stormwater controls are adequate.

LANDFILL OPERATIONS:

| <u>Fugitive Dust Control:</u> | <u>In-Cell Stormwater Management</u> |
|--|---|
| Tracking Pads : <input checked="" type="checkbox"/> | Upper Ditch : <input checked="" type="checkbox"/> |
| Cattle Guards : <input checked="" type="checkbox"/> | Lower Ditch : <input checked="" type="checkbox"/> |
| Wheel Wash : <input checked="" type="checkbox"/> | Down Flume : <input checked="" type="checkbox"/> |
| Access Road Clean: <input checked="" type="checkbox"/> | Culverts : <input checked="" type="checkbox"/> |
| Landfill Surfaces Groomed: <input checked="" type="checkbox"/> | Reservoirs : <input checked="" type="checkbox"/> |
| Airbourne Dust Visible: No | Sediment : Good |
| Sign of Recent Dust Deposition: No | Standing Water : No |
| Comments: | |
| Final cover project in progress on south end of landfill | |

Note: Check mark indicates that the features are acceptable.

11/17/2017 Caledonia Landfill Inspection



Leachate Load-Out (looking south)



Leachate Load-Out Alarm Panel

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West Side Final Covers & Surface Water Ditch (looking north)



West Berm (looking north)

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Tire Wash (looking north)



Groomed Waste Surface Cell 8 (looking east)

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Northwest End Upper Cells & New Cover Construction (looking south)



East Side Surface Water Ditch (looking south)

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North Intercell Berm (looking west)



General Fill Stockpile (looking north)

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Lift Station (looking down)



Down Flume from Upper Cells (looking southwest)