

1.0 INTRODUCTION

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

The Pleasant Prairie Ash Landfill consists of one cell that went into operation during the 4th Quarter of 2014. Under normal conditions and circumstances, nearly 100 percent of CCR generated at the Pleasant Prairie Power Plant (PPPP) was beneficially utilized. Disposal activities at the landfill are generally limited to CCR system cleanings during PPPP outages and other special events. PPPP ceased commercial operation in early 2018. The Pleasant Prairie Ash Landfill is expected to close during the plant decommissioning process.

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 19, 2018. 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 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, the waste surfaces and slopes, interior and exterior storm water controls, the leachate collection sump controls, the leachate storage and load-out controls, the leachate load-out pad, the site access road and the cell entrance.

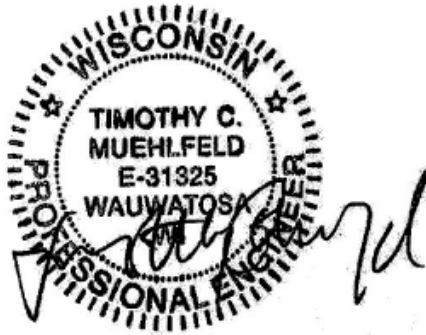
There were no signs or evidence of any distress or malfunction of the CCR unit, or any conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR unit. The perimeter berms and waste slopes did not show any evidence of structural weakness or instability. The leachate sump and load-out facilities were operational and there was plenty of available space for leachate storage in the sump 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.

APPROXIMATE VOLUME OF CCR CONTAINED IN THE UNIT

At the time of the annual inspection, there were approximately 68,000 cubic yards of CCR disposed of at the Pleasant Prairie 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.



PLEASANT PRAIRIE ASH LANDFILL - WEEKLY INSPECTION & CONDITION SUMMARY

INSPECTOR: Tim Muehlfeld

INSPECTION DATE/TIME: 11/19/2018

WEATHER:

Temperature: 30° F
 Conditions: Overcast
 Wind: Moderate
 Wind Direction: W
 Precipitation: None

LEACHATE COLLECTION SYSTEM:

Load-out Facility:

High level alarms: No
 Low level alarms: No
 Leak alarms: No
 Level Sensor 1: 7.9 ft
 Ultrasonic Level Volume: 66764 gallons
 Pump: Available
 Pad Condition: Good

Sump:

Pump #1: Available
 Pump #2: Available
 Control Panel: Available
 Level: 78"

Note: 50" sump level equates to 12" of head on base liner

Comments:

Sump pumps running. Catching up with extreme wet weather this fall

STABILITY/EROSION OF FINAL COVERS & WASTE SLOPES:

Final Covers: NA
 Waste Slopes:
 Comments :

Installing partial final cover on east end of cell

Note: Check mark indicates slope appears stable and no significant erosion.

LANDFILL OPERATIONS:

Fugitive Dust Control:

Tracking Pads :
 Cattle Guards :
 Access Road Clean:
 Landfill Surfaces Groomed:
 Airbourne Dust Visible: No
 Sign of Recent Dust Deposition: No

Stormwater Management

Exterior Ditches:
 Interior Ditches:

Comments:

Lots of rain September & October

Note: Check mark indicates that the features are acceptable.

11/19/2018 Pleasant Prairie Landfill Inspection



Access Road and Cell Entrance (looking north)



West End Intercell Berm (looking east)

11/19/2018 Pleasant Prairie Landfill Inspection



Cell Entrance (looking north)