

2021 Annual Coal Combustion Residuals (CCR) Landfill Inspection Report

Site Name: Hennepin Power Plant
Site Address: 13498 E. 800th Street, Hennepin, IL 61327
Owner/Operator: Dynegy Midwest Generation, LLC
Owner/Operator Address: 13498 E. 800th Street, Hennepin, IL 61327
CCR Unit: CCR Landfill

40 C.F.R. § 257.84 INSPECTION REQUIREMENTS FOR CCR LANDFILLS

(b) ANNUAL INSPECTIONS BY A QUALIFIED PROFESSIONAL ENGINEER

(1) Existing and new CCR Landfills and any lateral expansion of a CCR landfill must be inspected on a periodic basis by a qualified professional engineer to ensure that the design, construction, operation, and maintenance of the CCR unit is consistent with recognized and generally accepted good engineering standards. The inspection must, at a minimum, include:

(i) A review of available information regarding the status and condition of the CCR unit, including, but not limited to, files available in the operating record (e.g., the results of inspections by a qualified person, and results of previous annual inspections); and

Qualified person inspection documentation (weekly inspection reports) and previous annual inspection reports were reviewed.

(ii) A visual inspection of the CCR unit to identify signs of distress or malfunction of the CCR unit.

A visual inspection was performed by Zachary J. Fallert, P.E. on October 5, 2021. The inspection included the CCR surface, stormwater collection system, and perimeter roads.

(2) INSPECTION REPORT. The qualified professional engineer must prepare a report following each inspection that addresses the following:

(i) Any changes in geometry of the structure since the previous annual inspection;

Based on available plant records and visual observation, the geometry of the landfill has not been changed since the previous inspection.

(ii) The approximate volume of CCR contained in the unit at the time of the inspection;

This unit has not received CCR or other permitted wastes since the previous inspection. Approximately 7000 cubic yards of CCR material were reportedly placed during construction over the geomembrane liner as freeze protection for the liner system.

(iii) Any appearances of an actual or potential structural weakness of the CCR unit, in addition to any existing conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR unit; and

No signs of structural weakness in the CCR landfill or conditions that have the potential to disrupt operation of the landfill were identified in the visual inspection or in the weekly inspection reports. Only minor silting in of stormwater culverts was observed which is corrected through normal and regular maintenance. The landfill surface is vegetated and is regularly mowed.

(iv) Any other change(s) which may have affected the stability or operation of the CCR unit since the previous annual inspection.

Based on available plant records and visual observation, no changes were observed that are expected to impact stability or operation of the CCR unit.

I, Zachary J. Fallert, being a Registered Professional Engineer in good standing in the State of Illinois, do hereby certify, to the best of my knowledge, information, and belief, that the information contained in this CCR landfill certification report has been prepared in accordance with the accepted practice of engineering and the requirements of 40 C.F.R. § 257.84(b).

Zachary J. Fallert

Printed Name



10/18/2021

Signature

Date

062-073263

IL

11/30/2021

Registration Number

State

Expiration Date

