

**2021 Annual Coal Combustion Residuals (CCR) Landfill Inspection Report**

Site Name: Duck Creek Power Plant  
 Site Address: 17751 North Cilco Road, Canton, IL 61520  
 Owner/Operator: Illinois Power Resources Generating LLC  
 Owner/Operator Address: 17751 North Cilco Road, Canton, IL 61520  
 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 landfill slopes and surface, stormwater collection system, perimeter roads, and exterior slopes.

*(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 has been altered with the ongoing permitted partial final cover construction.

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

1,078,000 Cubic Yards

*(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 erosion and silting in of stormwater ditches were observed which are corrected through normal and regular maintenance.

*(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. Modifications to the surface geometry as part of the permitted partial final cover construction were underway at the time of inspection.

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

  
 Signature 10/18/2021  
Date

062-073263 IL 11/30/2021  
 Registration Number State Expiration Date

