

2022 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		
<p>(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:</p> <p style="margin-left: 20px;">(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</p> <p style="margin-left: 20px;">Qualified person inspection documentation (weekly inspection reports) and previous annual inspection reports were reviewed.</p> <p style="margin-left: 20px;">(ii) A visual inspection of the CCR unit to identify signs of distress or malfunction of the CCR unit.</p> <p style="margin-left: 20px;">A visual inspection was performed by Zachary J. Fallert, P.E. on October 5, 2022. The inspection included the CCR landfill slopes and surface, stormwater collection system, perimeter roads, and exterior slopes.</p> <p>(2) INSPECTION REPORT. The qualified professional engineer must prepare a report following each inspection that addresses the following:</p> <p style="margin-left: 20px;">(i) Any changes in geometry of the structure since the previous annual inspection;</p> <p style="margin-left: 20px;">Based on available plant records and visual observation, the geometry has been altered with the completion of the permitted partial final cover construction.</p> <p style="margin-left: 20px;">(ii) The approximate volume of CCR contained in the unit at the time of the inspection;</p> <p style="margin-left: 20px;">1,078,010 Cubic Yards</p> <p style="margin-left: 20px;">(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</p> <p style="margin-left: 20px;">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. The final cover slopes and covered landfill crest are vegetated. Only minor erosion and vegetation taller than 12 inches were observed which are corrected through normal and regular maintenance.</p> <p style="margin-left: 20px;">(iv) Any other change(s) which may have affected the stability or operation of the CCR unit since the previous annual inspection.</p> <p style="margin-left: 20px;">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 including the completion of soil cover, the addition of rip rap downchutes, and an erosion repair were completed since the last inspection and are not expected to negatively impact stability or operation of the landfill.</p>		
<p>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).</p>		
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <p>Zachary J. Fallert Printed Name</p> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <p style="font-family: cursive; font-size: 1.2em; margin-top: 20px;">Zachary J. Fallert</p> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <p>Signature</p> </div> <div style="width: 35%; text-align: center;"> <p>11/21/2022</p> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <p>Date</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 30%;"> <p>062-073263</p> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <p>Registration Number</p> </div> <div style="width: 30%; text-align: center;"> <p>IL</p> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <p>State</p> </div> <div style="width: 30%; text-align: center;"> <p>11/30/2023</p> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <p>Expiration Date</p> </div> </div>		

LICENSED PROFESSIONAL ENGINEER

ZACHARY J. FALLERT

062-073263

OF ILLINOIS