

# Construction Certification for Cell 2A and Cell 2B Lateral Expansion of the Leland Olds Station's Coal Combustion Residual (CCR) Landfill

(Glenharold Mine CCR Landfill) Stanton, North Dakota

Compliance Certification demonstrating CCR Compliance as it relates to 40 CFR § 257.70(f) for the 2023 Construction of Cell 2A and Cell 2B

Certification by: Civil Engineer, Peter Moch, P.E.

For: Basin Electric Power Cooperative  
1717 East Interstate Avenue  
Bismarck, ND 58503

This document certifies construction of the composite liner system at Basin Electric Power Cooperative's Leland Old's Station Landfill for coal combustion residuals (CCR) landfill Cell 2A and Cell 2B in accordance with 40 CFR Part 257 Subpart D and NDAC 33.1-20.

Construction of Cell 2A and Cell 2B is a lateral expansion of the CCR landfill and was constructed in 2023. Initial construction included site stripping, embankment construction, and clay liner installation. Once that was complete, construction included geomembrane liner installation, leachate piping systems installation, and drainage layer construction. Cell 2A and 2B is a composite-lined facility with a compacted clay liner overlain by a 60-mil high density polyethylene (HDPE) geomembrane liner. Construction was substantially completed at the end of 2023 in accordance with the liner design criteria certified in the "Design Criteria for the Lateral Expansion of the Leland Olds Station Coal Combustion Residual (DDR) Landfill" document prepared by AECOM in November 2017. Additional documentation of the construction Cell 2A and 2B construction has been provided to the North Dakota Department of Environmental Quality for compliance with the ND Solid Waste Permit 0143.

**Certification:** I hereby certify that I, or my agent, have examined the facility and, being familiar with the provisions of 40 CFR 257 Subpart D and NDAC 33.1-20, attest that this new CCR landfill composite liner was constructed in accordance with good engineering practice, including consideration of applicable industry standards and the requirements of 40 CFR §257.70/NDAC 33.1-20-08-04. I certify that the Cell 2A and 2B composite liner system has been constructed in accordance with the requirements of 40 CFR §257.70/NDAC 33.1-20-08-04.

Peter Moch, PE-7878  
Basin Electric Power Cooperative

Dated this 4<sup>th</sup> day of January, 2024

