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October 12, 2018

AECOM Project No.
60587593

Basin Electric Power Cooperative
294 County Road 15
Beulah, North Dakota 58523

Engineer's Certification of Unstable Areas Demonstration, Existing Bottom Ash Ponds, EPA Final CCR Rule, Laramie River Station, Wheatland, Wyoming

1. Purpose

The purpose of this document is to certify that the Unstable Areas Demonstration for the BEPC Laramie River Station existing Bottom Ash Ponds are in compliance with the Unstable Areas demonstration specified in the Final CCR Rule at 40 CFR § 257.64. Pursuant to § 257.64(d)(1), the owner or operator of an existing CCR landfill must complete the unstable areas location demonstration no later than October 17, 2018.

2. Background

According to 40 CFR § 257.64(a) of the EPA Final CCR Rule, any existing or new CCR landfills, and new and existing CCR surface impoundments, and all lateral expansions of CCR units must not be located in unstable areas unless the owner or operator demonstrates that all structural components including liners, leachate collection and removal systems, and surface water control systems, are designed to resist movement associated with the unstable area.

3. Summary of Findings

Based on the review of historical documents, geological data, and geotechnical exploration reports, AECOM has concluded that BEPC Laramie River Station existing Bottom Ash Ponds are not considered to be in an unstable area, and has determined that the existing Bottom Ash Ponds of the BEPC Laramie River Station meet the requirements of the EPA Final CCR Rule 40 CFR § 257.64.

4. Certification

I, Jeremy Thomas, being a Registered Professional Engineer in good standing in the State of Wyoming, do hereby certify, to the best of my knowledge, information, and belief that the information contained in this certification has been prepared in accordance with the accepted practice of engineering and that the information contained herein is accurate as of the date of my signature below. I certify that the Unstable Area Demonstration for CCR, dated October 12, 2018, for the above-referenced CCR Unit meets the unstable areas location requirements of 40 CFR § 257.64(a), as recognized and generally accepted good engineering practices have been incorporated into the design of the CCR Unit to ensure that the integrity of the structural components of the Unit will not be disrupted.

Jeremy M. Thomas
Printed Name

October 12, 2018
Date

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