



Summary of Liner Construction for Neal North Energy Center CCR Impoundment 3B



MidAmerican Energy Company

Coal Combustion Residual Rule Compliance

10/10/2016



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Prepared for

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Certification

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Date: 10/10/2016

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1.0 INTRODUCTION

On April 17, 2015, the Environmental Protection Agency issued the final version of the federal Coal Combustion Residual Rule to regulate the disposal of CCR materials generated at coal-fired units. The rule is administered as part of the Resource Conservation and Recovery Act [RCRA, 42 United States Code §6901 et seq.], using the Subtitle D approach.

MidAmerican Energy Company is subject to the CCR Rule and as such must document the liner construction for existing surface impoundments per 40 Code of Federal Regulations §257.71. This document provides the liner construction documentation for the existing Neal North Energy Center Impoundment 3B.

An existing surface impoundment is classified as lined if the liner was constructed with any of the following:

- A liner consisting of a minimum of two feet of compacted soil with a hydraulic conductivity of no more than 1 x 10⁻⁷ centimeters per second.
- A composite liner that meets the requirements of §257.70(b).
- An alternative composite liner that meets the requirements of §257.70(c).

2.0 LINER CONSTRUCTION

Impoundment 3B was designed in the mid-1970s by Ebasco Services Incorporated. Construction drawings indicate that Impoundment 3B was not built with a formal liner system. Documents are not available to verify the existence of a liner system that meets the requirements set forth in the CCR Rule under §257.71. Therefore, the existing Impoundment 3B at the Neal North Energy Center is being classified as an existing, unlined CCR surface impoundment pursuant to §257.71(a)(3)(i).





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