

## Notification of Intent to Initiate Closure of CCR Surface Impoundment

### 1. Purpose

Basin Electric Power Cooperative (Basin Electric) owns and operates the Leland Olds Station, a coal-fired electrical generating station located near Stanton, North Dakota. The purpose of this notice is to provide notification of the intent to initiate closure of the inactive Ash Ponds 2 and 3, describe the final cover, and to complete the closure no later than April 17, 2018.

### 2. Closure Process of the Inactive Ash Ponds 2 and 3

Basin Electric Power Cooperative will close the Inactive ponds in accordance with 40 CFR 257.100 (b)(1) by closing the CCR unit in place. The pond closure plan addresses surface water run-off flows and slope stability to prevent the sloughing or movement of the final cover system. The pond closure will begin by dewatering the CCR within the pond and stabilizing the waste to support the final cover system satisfying requirements (b)(2)(i) and (ii) of the rule. The final cover system is designed to minimize infiltration and erosion by having a permeability value of no greater than  $1 \times 10^{-7}$  centimeters/second. The cover system will consist of, from base to surface, a clay rich barrier layer of 18 inches of compacted earthen material with a permeability value of no greater than  $1 \times 10^{-7}$  centimeters/second, a minimum 12 inch layer of uncompacted earthen material to serve as a vegetation rooting zone, and an erosion layer of 6 inches of earthen material that is capable of sustaining growth, thus satisfying requirements of 257.100(b)(3)(i) of the rule. Following the installation of the cover system, it will be determined if the erosion layer will require any amendments and a grass seed mix will be selected which requires minimum efforts to sustain and maintain.

### 3. Closure Construction Schedule

Ponds 2 and 3 will be closed no later than April 17, 2018. The following activities will be conducted to effect closure:

Dewatering;  
Grading and Compaction;  
Final Cover System Placement; and  
Soil amendments and seeding.

### 4. Professional Engineering Certification

The following Professional Engineer Certification is certifying that the design of the final cover system meets the requirements of 40 CFR 257.100(b)(3)(i) and that the closure in place, 40 CFR 257.100(b)(1) through (4), of Ash Ponds 2 and 3 is technically feasible to be completed by April 17, 2018.

Daniel R. Smith

Printed Name of Professional Engineer



Signature

PE-10346  
Registration No.

North Dakota  
State

December 15, 2015  
Date

