



October 12, 2021

Ingrid Setzler
Director of Environmental Services
Kansas City Board of Public Utilities
540 Minnesota Ave
Kansas City, KS 66101

Re: Final Periodic Inflow Design Flood Control System Plan [40 CFR §257.82]
Nearman Creek Power Station – Bottom Ash Pond

Dear Ms. Setzler:

The purpose of this letter is to address the Inflow Design Flood Control System Plan requirements for the former Bottom Ash Pond (former Coal Combustion Residuals surface impoundment) located at the Nearman Creek Power Station (NCPS) site.

Regulatory Requirements

In accordance with the U.S. Environmental Protection Agency's *Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments (40 Code of Federal Regulations [CFR] Part 257, Subpart D)* (CCR Rule), following an initial Inflow Design Flood Control System Plan for a CCR unit, periodic plan updates are required to be completed to verify that the system is still operating as designed or to include design changes whenever there is a change in conditions that would substantially affect the written plan in effect.

The initial Inflow Design Flood Control System Plan was completed for the former Bottom Ash Pond by Burns & McDonnell on October 17, 2016. Periodic Inflow Design Flood Control System Plan updates are required to be prepared every five years, with the date of initial assessment completion as the basis for establishing the deadline to complete the first periodic assessment.

Former Bottom Ash Pond Location, CCR Removal Description, and Regulatory Status

The former Bottom Ash Pond was situated in the northeast portion of the NCPS site. The Bottom Ash Pond consisted of 21.5 acres and occupied parts of the southwest portion of Section 13 of Township 10 South, Range 24 East.

Kansas City Board of Public Utilities (KCBPU) initiated closure by removal of the Bottom Ash Pond in February 2020. CCR removal activities for the Bottom Ash Pond required CCR removal and over excavation of soil below CCR / soil interface. CCR removal and soil over excavation activities were substantially completed on June 23, 2020.

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Following CCR removal and soil over excavation activities, the exterior dikes of the Bottom Ash Pond were removed and used to fill interior low areas. The entire footprint of the former Bottom Ash Pond was graded to match surrounding grades and generally restore the area to pre-developed topography. A vegetative soil layer was placed on top of the former Bottom Ash Pond and a system of stormwater conveyance channels were installed on the surface. Vegetation has been established over all disturbed areas. A Construction Quality Assurance Report for the closure by removal project was submitted in August 2021 to the Kansas Department of Health and Environment (KDHE). KDHE approved the Bottom Ash Pond Closure report on September 28, 2021.

Periodic Inflow Design Flood Control System Plan

All components of the former Bottom Ash Pond have been removed and restored to a gently-sloping, open grassy area with engineered drainage channels. The former Bottom Ash Pond no longer meets the definition of a CCR surface impoundment per 40 CFR §257.2. This document is provided to meet the requirements of 40 CFR §257.82; however, based on restored site conditions, an Inflow Design Flood Control System Plan is not applicable under the CCR Rule.

Certification Statement

Former CCR Unit: Nearman Creek Power Station Bottom Ash Pond

I, Scott A. Martin, being a Registered Professional Engineer in good standing in the State of Kansas, 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. This report is not intended or represented to be suitable for reuse by the Kansas City Board of Public Utilities or others without specific verification or adaptation by the Engineer.



Scott A. Martin, P.E.
Kansas License #24713
License Renewal Date: April 30, 2023

Date: 10/12/2021

Oct 12 2021 5:47 PM