

Public Service Company of Oklahoma
Northeastern 3&4 Plant
Bottom Ash Pond (OK30396)
Hazard Potential Classification Assessment

AEP has performed an evaluation to classify the above CCR Surface Impoundment in accordance with FEMA's Hazard Potential Classification System for Dams. These guidelines evaluate the consequences of a potential failure not the likelihood of a failure. Guidelines that were developed and utilized are included below.

Hazard Potential Classification Systems (from FEMA 333, April 2004)

1. Low Hazard Potential

Dams assigned the Low Hazard potential classification are those where failure or mis-operation results in no probable loss of human life and low economic and/or environmental losses. Losses are principally limited to the owner's property.

2. Significant Hazard Potential

Dams assigned the Significant Hazard potential classification are those dams where failure or mis-operation results in no probable loss of human life but can cause economic loss, environmental damage, disruption of lifeline facilities, or can impact other concerns. Significant hazard potential classification dams are often located in predominantly rural or agricultural areas but could be located in areas with population and significant infrastructure.

3. High Hazard Potential

Dams assigned the High Hazard potential classification are those where failure or mis-operation will probably cause loss of human life.

The Bottom Ash Pond is located at the Northeastern Power Plant upstream of the intersection of Fourmile Creek and the Verdigris River, southeast of the Town of Oologah in Rogers County. A review of downstream conditions indicates that the impact of the failure or mis-operation of the Bottom Ash Pond dam will be contained within Fourmile Creek and the Verdigris River resulting in minimal off property impacts, no probable loss of human life, and limited potential economic and infrastructure impacts. The US EPA CCR Impoundment Assessment Report identified the impoundment as Low Hazard.

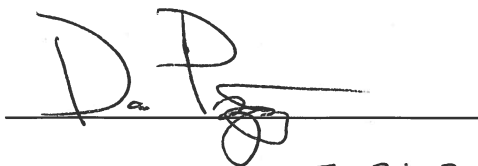
Furthermore, there have been no changes in downstream conditions or in the hazard classification assigned by the Oklahoma Water Resources Board that would warrant reclassification.

Based on the FEMA Hazard Potential Classification Systems for Dams and the discussions above, the Bottom Ash Pond Dam is classified as a **Low Hazard Potential Dam**.

Professional Engineer's Certification:

I certify that this Hazard Potential Classification Assessment is in accordance with the requirements of section OAC 252:517-11-4(a)(2).

Daniel W. Pizzino, P.E.



7-21-2026

