

AEP Generation Resources
Conesville Plant
Ash Pond Complex (ODNR # 0116-002)
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 main diking system of the Ash Pond Complex is along a county road. The impact of failure of the dike or mis-operation of the pond, will not result in a probable loss of human life but will cause damage to the county road, railroad and adjacent property and environmental impact to a local drainage system.

The Ash Pond Complex dikes are classified by Ohio DNR as Class II dams, which are likely to cause damage to infrastructure such as roads, railroads, and utilities. The US EPA CCR Impoundment Assessment Report identified the Ash Pond Complex as a Significant Hazard Potential.

Based on the FEMA Hazard Potential Classification Systems for Dams and on the above discussion, Conesville Ash Pond Complex Dikes are classified as **Significant Hazard Potential Dams**.

Professional Engineer's Certification:

I certify that this Hazard Potential Classification Assessment is in accordance with the requirements of section 40 CFR 257.73 (a)(2)(i).

Gary F. Zych, P.E.

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7/29/2016

