

APPALACHIAN POWER CO.  
Amos Bottom Ash Complex (WV DEP DAM PERMIT # 07019)  
**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 Amos Bottom Ash Complex is situated along Bills Creek, a tributary of Kanawha River. The impact of the failure or mis-operation of the dam will result in no probable loss of human life but can cause minor economic loss and/or environmental damage. The West Virginia Dam Safety Group has classified this facility as a Significant Hazard Potential. The US EPA Assessment report also identified this facility as Significant Hazard.

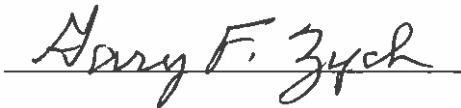
There has been no changes in classification by the State Dam Safety nor has there been any other physical changes that would warrant a change in the classification.

Based on the FEMA Hazard Potential Classification Systems for Dams and on the above discussion, The Amos Bottom Ash Complex is classified as a **Significant Hazard Potential Dam**.

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, PE,





7/28/2021