

Public Service Company of Oklahoma
Oklaunion Power Station
Pond 21 – OK-P21

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 Oklaunion Power Station is located at 12567 FM Rd 3430, Vernon, TX 76384, approximately three miles south-southeast of the intersection of Farm to Market Road 433 and Farm to Market Road 3430 in Wilbarger County, Texas.

The Evaporation Pond 21 is located at the west-central edge of the main evaporation pond complex of the generating station. The diking system for this unit is an internal to the pond complex and there are no external slopes. Failure of the dike will result in flow into an adjacent pond. Loss of human life is not probable in the event of a catastrophic failure of the embankment and a failure of the embankment is expected to have a low economic and environmental impact.

Based on the FEMA Hazard Potential Classification Systems for Dams and on the above discussion, the Oklaunion Evaporation Pond 21 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 40 CFR 257.73 (a)(2)(i).

Shahriyar S. Baig, P.E.

09-23-2016

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