



# Hazard Potential Classification Assessment

**CFR 257.73**

Pond 21 - CCR Surface Impoundment

Oklaunion Plant  
Vernon, Texas

December 2022

Prepared for: Oklaunion Industrial Park, LLC

Vernon, Texas

Prepared by: Burns & McDonnell Engineering Company, Inc.

Kansas City, Missouri

## PROFESSIONAL ENGINEER CERTIFICATION

This Hazard Potential Classification Assessment fulfills the CCR Rule requirements for 40 CFR 257.73.

I, Jeffery L. Pope, P.E., a registered professional engineer in the State of Texas, 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 and is based on my review of the Hazard Potential Classification Assessment (December 2022). I certify that this Hazard Potential Classification Assessment for the Oklaunion Power Station Pond 21 meets the requirements of 40 CFR § 257.73.

**Jeffery L. Pope**

\_\_\_\_\_  
Printed Name of Professional Engineer

\_\_\_\_\_  
Signature

89750  
Registration No.

Texas  
Registration State

12/5/2022  
Date

Stamp/Seal:



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## **1.0 PURPOSE**

This report was prepared by Burns & McDonnell's to fulfill the requirements of CCR 257.73 for the certification of the periodic update to the initial hazard potential classification assessment for Pond 21 at the Oklaunion Plant in Vernon, Texas.

## **2.0 CCR UNIT INFORMATION**

The Oklaunion Power Station is located near the City of Vernon, Texas. Pond 21 is one of five surface impoundments used for the disposal of CCR. Pond 21 is located at the south-central edge of the main evaporation pond complex of the generating station. It is formed by a side hill embankment approximately 25-feet in height and encompasses approximately 5.1-acres. The pond was constructed as a continuous upground earthen embankment with 3H:1V inboard and outboard slopes and crest width of 20-feet. The embankments for Pond 21 do not fall under the Texas Dam Safety Jurisdiction therefore they do not contain a state identification number.

## **3.0 CURRENT CLASSIFICATION**

The initial hazard potential classification assessment for Pond 21 (09-23-2016) determined that it has Low Hazard Potential. Low Hazard Potential are those dams where failure or mis-operation results in no probable loss of human life and low economic and/or environmental losses. Burns & McDonnell reviewed the current conditions of Pond 21 including aerial surveys (performed October 2021) as well as a site visit (performed July 2022) to determine that no significant changes have occurred at the site that would increase the hazard potential classification. Therefore, the hazard potential for Pond 21 remains to be classified as Low Hazard Potential.