



Hazard Potential Classification Assessment

CFR 257.73

Wastewater Sludge Pond - 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 the Wastewater Sludge Pond 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 23 at the Oklaunion Plant in Vernon, Texas.

2.0 CCR UNIT INFORMATION

The Oklaunion Power Station is located near the City of Vernon, Texas. The Wastewater and Sludge Pond (WWSP) is one of five surface impoundments used for the disposal of CCR. The WWSP 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 23-acres. The pond was constructed as a continuous up ground earthen embankment with 3H:1V inboard and outboard slopes and crest width of 20 feet. The embankments for WWSP 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 the WWSP (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 the WWSP 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 the Wastewater Sludge Pond remains to be classified as Low Hazard Potential.