

**FIVE-YEAR PERIODIC HAZARD POTENTIAL CLASSIFICATION ASSESSMENT  
 CCR SURFACE IMPOUNDMENT: GIBSON STATION  
 CCR UNIT: NORTH SETTLING BASIN**

Duke Energy Coal Combustion Products Engineering (“CCP Engineering”) has prepared the following five-year periodic hazard potential classification assessment pursuant to Section 257.73(a)(2) and (f)(3) of the HAZARDOUS AND SOLID WASTE MANAGEMENT SYSTEM; DISPOSAL OF COAL COMBUSTION RESIDUALS FROM ELECTRIC UTILITIES; FINAL RULE, 40 C.F.R. Part 257, subpart D. Presented below are the project background, summary of findings, limitations, and certification.

**1.0 BACKGROUND**

Pursuant to 40 C.F.R. § 257.73(a)(2) and (f)(3), owners and operators of CCR surface impoundments must complete an initial hazard potential classification and a five-year periodic hazard potential classification assessment. The owner or operator of the CCR unit must obtain a certification from a qualified professional engineer stating that the five-year periodic hazard classification was conducted in accordance with the requirements of 40 C.F.R. §257.73. In support of the assessment, CCP Engineering completed a determination of the five-year hazard potential classification at the North Settling Basin at the Gibson Station in Indiana.

**2.0 ASSESSMENT**

Based upon a review of applicable information, CCP Engineering has identified the following information associated with the CCR unit:

CCR Unit	Hazard Potential Classification	BASIS
North Settling Basin	Significant	Hazard Classification based on results from dam breach analysis and inundation mapping performed by Christopher B. Burke Engineering, LLC (2014) and verified by Consultant (2015) and additional verification/evaluation conducted by Duke Energy (2021)

**3.0 LIMITATIONS**

The signature of CCP Engineering’s authorized representative on this document represents that to the best of CCP Engineering’s knowledge, information, and belief in the exercise of its professional judgment, it is CCP Engineering’s professional opinion that the aforementioned information is accurate as of the date of such signature. Any opinion or decisions by CCP Engineering are made on the basis of CCP Engineering’s experience, qualifications, and professional judgment and are not to be construed as warranties or guaranties. In addition, opinions relating to environmental, geologic, and geotechnical conditions or other estimates are based on available data, and actual conditions may vary from those encountered at the times and locations where data are obtained, despite the use of due care.

