

**PERIODIC HAZARD POTENTIAL CLASSIFICATION ASSESSMENT CERTIFICATION
CCR SURFACE IMPOUNDMENT: CAYUGA STATION
CCR UNIT: LINED ASH DISPOSAL AREA**

URS CORPORATION - NORTH CAROLINA ("Consultant") has been retained by Duke Energy to prepare the following periodic assessment of hazard potential classification pursuant to Section 257.73(a)(2) of the HAZARDOUS AND SOLID WASTE MANAGEMENT SYSTEM; DISPOSAL OF COAL COMBUSTION RESIDUALS FROM ELECTRIC UTILITIES; FINAL RULE, 80 Fed. Reg. 21302 (Apr. 17, 2015). Presented below are the project background, assessment, limitations and certification.

1.0 BACKGROUND

Pursuant to 40 C.F.R. § 257.73(a)(2) and (f)(1), except as noted in the following paragraph, by October 17, 2016, owners and operators of CCR surface impoundments must complete an initial hazard potential classification assessment for each existing CCR surface impoundment documenting the hazard potential classification of each CCR unit as either a high hazard potential CCR surface impoundment, a significant hazard potential CCR surface impoundment or a low hazard potential CCR surface impoundment.

The owner or operator of the CCR surface impoundment must obtain a certification from a qualified professional engineer stating that the initial hazard potential classification was conducted in accordance with the requirements of 40 C.F.R. § 257.73. The initial Hazard Potential Classification certification was issued by Consultant September 28, 2016 according to these requirements.

In support of this periodic classification, Consultant has completed an updated determination of the Hazard Potential Classification at the Lined Ash Disposal Area at the Cayuga Station in Cayuga, Indiana.

2.0 ASSESSMENT

Based upon a review of applicable information, Consultant has identified the following information about the Lined Ash Disposal Area at the Cayuga Station in Cayuga, Indiana

CCR Unit	Hazard Potential Classification	BASIS
Lined Ash Disposal Area	Significant	Hazard Classification based on results from dam breach analysis and inundation mapping performed by Consultant (2017), and supported by Duke Energy Operations Plan (2017).

3.0 LIMITATIONS

The signature of Consultant authorized representative on this document represents that to the best of Consultant's knowledge, information and belief in the exercise of its professional judgment, it is Consultant's professional opinion that the aforementioned information is accurate

as of the date of such signature. Any opinion or decisions by Consultant are made on the basis of Consultant'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.

4.0 CERTIFICATION

I, Colin J. Young, being a Registered Professional Engineer, in accordance with the State of Indiana Professional Engineer's Registration, do hereby certify to the best of my knowledge, information and belief, that the periodic hazard classification contained in this report dated March 8, 2017, was conducted in accordance with the requirements of 40 C.F.R. § 257.73, is true and correct and has been prepared in accordance with generally accepted good engineering practices.



SIGNATURE _____

DATE 3-8-2017

