

PERIODIC HAZARD POTENTIAL CLASSIFICATION ASSESSMENT

Bremo Power Station CCR Surface Impoundment: North Ash Pond



Submitted To: Bremo Power Station

1038 Bremo Bluff Road Bremo Bluff, VA 23022

Submitted By: Golder Associates Inc.

2108 W. Laburnum Avenue, Suite 200

Richmond, VA 23227

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1.0 CERTIFICATION

This Periodic Hazard Potential Classification Assessment for the Bremo Power Station's North Ash Pond was prepared by Golder Associates Inc. (Golder). The document and Certification/Statement of Professional Opinion are based on and limited to information that Golder has relied on from Dominion and others, but not independently verified, as well as work products produced by Golder.

On the basis of and subject to the foregoing, it is my professional opinion as a Professional Engineer licensed in the Commonwealth of Virginia that this document has been prepared in accordance with good and accepted engineering practices as exercised by other engineers practicing in the same discipline(s), under similar circumstances, at the same time, and in the same locale. It is my professional opinion that the document was prepared consistent with the requirements in § 257.73(a)(2) of the United States Environmental Protection Agency's "Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments," published in the Federal Register on April 17, 2015, with an effective date of October 19, 2015 [40 CFR §257.73(a)(2)].

The use of the word "certification" and/or "certify" in this document shall be interpreted and construed as a Statement of Professional Opinion, and is not and shall not be interpreted or construed as a guarantee, warranty, or legal opinion.

James R. DiFrancesco, P.E.	Principal and Practice Leader
Print Name	Title
and for	_10/13/2016
Signature	Date





2.0 INTRODUCTION

This Periodic Hazard Potential Classification Assessment was prepared for the Bremo Power Station's (Station) existing Coal Combustion Residuals (CCR) surface impoundment known as the North Ash Pond (NAP). This Periodic Hazard Potential Classification Assessment was prepared in accordance with 40 CFR Part §257, Subpart D and is consistent with the requirements of 40 CFR §257.73(a)(2).

The Station, owned and operated by Virginia Electric and Power Company d/b/a Dominion Virginia Power (Dominion), is located in Fluvanna County at 1038 Bremo Road, east of Route 15 (James Madison Highway) and north of the James River. The Station includes an existing CCR surface impoundment, the NAP, as defined by the Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule (40 CFR §257; the CCR rule).

3.0 PURPOSE

This certification is required under 40 CFR §257.73(a)(2), *Periodic Hazard Potential Classification Assessments*, regarding the hazard potential classification assessment of the NAP at the Bremo Power Station.

4.0 HAZARD CLASSIFICATION

Pursuant to 40 CFR §257.73, a CCR unit is classified as a Significant Hazard Potential where failure or mis-operation of the dam results in no probable loss of human life, but can cause economic loss, environmental damage, disruption of lifeline facilities, or 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. A High Hazard Potential classification is assigned to dams where failure or mis-operation of the dam will probably cause loss of human life. The potential inundation zone downstream of the NAP dam does not contain occupied structures, nor is it regularly occupied by plant personnel.

5.0 CONCLUSIONS

As determined in Golder's August 2012 Virginia Department of Conservation and Recreation (DCR) Inundation Study, failure or mis-operation of the dam would be unlikely to result in loss of human life. Therefore, the NAP dam is assigned a hazard potential rating of "Significant" for this reason under 40 CFR §257.73.



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Africa + 27 11 254 4800 Asia + 852 2562 3658 Australasia + 61 3 8862 3500 Europe + 356 21 42 30 20 North America + 1 800 275 3281 South America + 56 2 2616 2000

solutions@golder.com www.golder.com

Golder Associates Inc. 2108 W. Laburnum Avenue, Suite 200 Richmond, VA 23227 USA Tel: (804) 358-7900

Fax: (804) 358-2900

