

US EPA ARCHIVE DOCUMENT

INFORMATION REQUEST

RESPONSE

1. Relative to the National Inventory of Dams criteria for High, Significant, Low, or Less-than-Low, please provide the potential hazard rating for each management unit and indicate who established the rating, what the basis of the rating is, and what federal or state agency regulates the unit(s). If the unit(s) does not have a rating, please note that fact.

Hazard Classification – Significant. A professional engineering firm established the rating based on USCOE guidelines and NCDENR Regulations. The unit is under the purview of the North Carolina Utilities Commission.

2. What year was each management unit commissioned and expanded?

Commissioned 1982. Original design not expanded.

3. What materials are temporarily or permanently contained in the unit? Use the following categories to respond to this question: (1) fly ash; (2) bottom ash; (3) boiler slag; (4) flue gas emission control residuals; (5) other. If the management unit contains more than one type of material, please identify all that apply. Also, if you identify “other,” please specify the other types of materials that are temporarily or permanently contained in the unit(s).

The unit contains fly ash, bottom ash, boiler slag. Other- categorical low volume wastewater, coal pile runoff, ash sluice water/cooling tower blowdown, and storm water. Flue gas emission control residuals will be introduced to lower area of pond in 2009.

4. Was the management unit(s) designed by a Professional Engineer? Is or was the construction of the waste management unit(s) under the supervision of a Professional Engineer? Is inspection and monitoring of the safety of the waste management unit(s) under the supervision of a Professional Engineer?

The unit was designed by a professional engineer. The construction was under the supervision of a professional engineer. Some inspections are under the supervision of a professional engineer, some are not. See response to item 5. below.

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5. When did the company last assess or evaluate the safety (i.e., structural integrity) of the management unit(s)? Briefly describe the credentials of those conducting the structural integrity assessments/evaluations. Identify actions taken or planned by facility personnel as a result of these assessments or evaluations. If corrective actions were taken, briefly describe the credentials of those performing the corrective actions, whether they were company employees or contractors. If the company plans an assessment or evaluation in the future, when is it expected to occur?

Semi-annual inspections that include visual inspections and data gathering to detect any problems at an early stage of development are conducted by plant personnel. Attached is a copy of the most recent inspection report available. Actions taken or planned: None taken or planned.

Annual inspections are conducted by a third-party professional engineering contractor. The engineering firms that conduct the inspections have expertise in geotechnical and civil engineering. Attached is the most recent annual inspection report. Actions taken or planned: Continue vegetation control program. Two spots at junction with rip rap on downstream slope noted needing filling with No. 78M or No. 57 stone. One active erosion spot at the top of the rock toe on the south section of the Ash Pond Dam should be filled with No. 78 stone. Work Request was written for this work.

Comprehensive five-year inspections are conducted by a third-party professional engineering contractor. The engineering firms that conduct the inspections have expertise in geotechnical and civil engineering. Attached is the most recent comprehensive inspection dated 2004. Actions taken or planned: Annual vegetation spraying and cutting. Older erosion areas should continue to be observed.

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6. When did a State or a Federal regulatory official last inspect or evaluate the safety (structural integrity) of the management unit(s)? If you are aware of a planned state or federal inspection or evaluation in the future, when is it expected to occur? Please identify the Federal or State regulatory agency or department which conducted or is planning the inspection or evaluation. Please provide a copy of the most recent official inspection report or evaluation.

The North Carolina Utilities Commission requires a five year inspection report. We are not aware of any recent or upcoming inspections by state or federal officials. Refer to the five year report submitted in response to item 5 above for the most recent official report.

7. Have assessments or evaluations, or inspections conducted by State or Federal regulatory officials conducted within the past year uncovered a safety issue(s) with the management unit(s), and, if so, describe the actions that have been or are being taken to deal with the issue or issues. Please provide any documentation that you have for these actions.

There have been no inspections conducted by state or federal official that evaluated the structural integrity other than a visual observation from NPDES inspector. There have been no follow-up actions.

8. What is the surface area (acres) and total storage capacity of each of the management units? What is the volume of materials currently stored in each of the management unit(s). Please provide the date that the volume measurement was taken. Please provide the maximum height of the management unit(s). The basis for determining maximum height is explained later in this Enclosure.

The surface area is approximately 140 acres. The total storage capacity is approximately 4,100 acre-feet. The volume of material currently stored is estimated to be 2,435 acre-feet and was determined in July 2007. The maximum height is 90 feet.

9. Please provide a brief history of known spills or unpermitted releases from the unit within the last ten years, whether or not these were reported to State or federal regulatory agencies. For purposes of this question, please include only releases to surface water or to the land (do not include releases to groundwater).

There have been no known spills or releases

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10. Please identify all current legal owner(s) and operator(s) at the facility.

The facility is owned by Carolina Power& Light Company d/b/a Progress Energy Carolinas, Inc., with a 16.17% ownership by the North Carolina Eastern Municipal Power Agency.