

US EPA ARCHIVE DOCUMENT

INFORMATION REQUEST

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 – Low. 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 1980. Original design not expanded. Additional storage capacity created within original pond in 2007 by dredging and restacking existing ash.

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, ash sluice water. Other- categorical low volume wastewater, and storm water.

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.

INFORMATION REQUEST

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?

1980 Pond
RESPONSE

Weekly 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.

Quarterly 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: Maintain vegetation control program. Monitor slope condition on east side of secondary settlement basin for seepage. Schedule repair.

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1980 Pond

RESPONSE

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.

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.

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: Brushy vegetation and small trees on the lower parts of the slopes should be cut during 2005 mowing. (Activity completed). Control vegetation growth in the rip [rap] repair areas on the interior slopes should continue on a regular schedule.

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.

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

INFORMATION REQUEST

1980 Pond
RESPONSE

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 143 acres. The total storage capacity is approximately 1,980 acre-feet. The volume of material currently stored is approximately 1,505 acre-feet and was estimated on March 19, 2009 using a 2008 aerial photo. The maximum height is 20 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

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

Carolina Power& Light Company d/b/a Progress Energy Carolinas, Inc.