



July 25, 2007

File: 12594C

Mr. Dexter Matthews, Director
Division of Waste Management
Mail Service Center 1646
Raleigh, North Carolina 27699-1646

Re: Progress Energy Carolinas Inc.
Roxboro Steam Electric Plant
Person County, North Carolina
Industrial Landfill Waste Management Plan
Annual Implementation Update

Dear Mr. Matthews:

North Carolina's Solid Waste Management Act was amended by the 1996 General Assembly (House Bill 859) to require owners of industrial waste landfills to establish a waste generation goal and provide a Ten-Year Waste Management Plan. The Ten-Year Plan for the landfill at Progress Energy Carolinas Roxboro Steam Electric Plant was submitted to your office in a July 28, 1997 letter.

In formulating the Plan, waste stream components were reviewed and options identified to reduce the amount of material disposed in on-site and off-site landfills. The following is an implementation report, which describes waste management efforts at the plant during the past year.

The Roxboro Steam Electric Plant, for the July 2006 to June 2007 reporting period, diverted a total of 188,943 tons of fly ash from the Dry Fly Ash Landfill. This diversion equals 99% of the 190,000 tons/year updated goal as described in the updated "Roxboro Steam Electric Plant Dry Fly Ash Landfill Waste Management Plan" submitted July 27, 2006 to your office. The majority of this flyash diversion was due to commercial sales as a concrete admixture, with a small percentage sold as flowable fill.

The Flue Gas Desulphurization (FGD) process at the Roxboro plant site will require the use of a settling pond for its waste water and bioreactor. The building of the FGD settling pond diverted 168,515 tons of dry fly ash from the landfill. An additional 943,275 tons were also excavated from cell B of Roxboro' DFA landfill and used in the building of the FGD settling pond.

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Phase III of the liner system was completed in the third quarter of 2006 and the permit to operate was received July 13, 2007. At completion of Phase III, the liner system covers approximately 65% of the 71-Acre Lined Monofill. Landfill capacity utilization will be extended by the recovery project. Current expansion of the lined unit is consistent with the approved Facility Plan and current 2002 Permit to Construct.

Progress Energy's ash marketing contract expires 12/31/07, and an ash marketing Request for Proposal was distributed. Three technologies and marketing proposals were evaluated. Negotiations are currently underway with a prospective marketer. The objective is to achieve maximum beneficial ash reuse. Achieving this objective will ultimately reduce the volume of product being placed in the landfill.

Enclosed is a copy of the Solid Waste Annual Facility Report that shows the monthly landfill activity for the reporting period. If you have any questions regarding this information, please contact Mr. Steven Conner at (336-597-6292).

Cecil E. Rowland



Plant Manager
Roxboro Plant

SBC/sbc
Attachment