



File: 12594C

July 25, 2007

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.

Progress Energy Carolinas, Inc.
Roxboro Steam Plant
1700 Dunnaway Road
Semora, NC 27343

Tel 336 599-1174 Fax 336 597-6257

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

State of North Carolina

Department of Environment and Natural Resources
Division of Waste Management

INDUSTRIAL WASTE LANDFILL ANNUAL REPORT

FOR THE PERIOD OF JULY 1, 2006 - JUNE 30, 2007

Facility Name: Progress Energy Roxboro E. G. Plant **Permit:** 7302 **ID:** PO168
Address: 1700 Dunnaway Road Semora
State: NC **Zip:** 27343
Contact: Steven Conner
Phone: 336-597-6292
Fax: 336-598-4096

If you have questions or require assistance in completing this report, contact your Regional Waste Management Specialist. According to (G.S. 130A-309D(b)) completed forms must be returned by August 1, 2007 and a copy of this report must be sent to the County Manager of each county from which waste was received.

Tipping Fee \$ _____ /Ton (Attach a schedule of tipping fees if appropriate.)

1. Total waste landfilled at this facility during the period of July 1, 2006 through June 30, 2007. Indicate below tonnage received by county of waste origin. DO NOT include waste diverted from landfilling for recycling, reuse, mulching, or composting.

| MONTH | TONS FROM COUNTY | TONS FROM COUNTY | TONS FROM COUNTY | TOTAL |
|-----------|------------------|------------------|------------------|------------|
| July | 32,768.75 | | | 32,768.75 |
| August | 27,347.45 | | | 27,347.45 |
| September | 39,041.85 | | | 39,041.85 |
| October | 16,805.12 | | | 16,805.12 |
| November | 8,328.70 | | | 8,328.7 |
| December | 6,915.37 | | | 6,915.37 |
| January | 27,249.71 | | | 27,249.71 |
| February | 58,789.36 | | | 58,789.36 |
| March | 60,108.90 | | | 60,108.9 |
| April | 40,720.06 | | | 40,720.06 |
| May | 44,800.85 | | | 44,800.85 |
| June | 58,080.96 | | | 58,080.96 |
| TOTAL | 420,957.08 | 0 | 0 | 420,957.08 |

2. Indicate types of disposal activity occurring at this facility. (Check all that apply.)

- Landfilling of industrial waste (specify waste) _____
- Landfilling of construction and demolition waste
- Landfilling of asbestos
- Landfilling of ash
- Landfilling of sludge
- Landfilling of other waste (specify) _____

3. Indicate other types of activities occurring at this facility. (Check all that apply.)

- Yard waste composting or mulching
- Recycled material collection
- Shredding or grinding materials other than tires (specify) _____

Other Activity (describe) Fossil Fuel Power Plant

4. Are there SWANA or other certified operator(s) at this facility?

- Yes
- No

If yes, indicate the following: (Attach additional sheet if necessary.)

Name: _____

Certification type and expiration date: _____

Name: _____

Certification type and expiration date: _____

5. Please provide the Emergency 911 Address of the facility:

Street1: 1700 Dunnaway Road

(if needed) **Street2:** _____

City: Semora **State:** NC **Zip:** 27343

*****According to (G.S. 130A-309D(b))**

This report must be sent to the Regional Waste Management Specialist for your area and a copy of this report must be sent to the County Manager of each county from which waste was received.

CERTIFICATION: I certify that the information provided is an accurate representation of the activity at this facility.

Signature: Cecil E. Rowland Date: 07/25/07

Name Cecil E. Rowland Phone 336-597-6101

Email Address: cecil.rowland@pgnmail.com

Website: _____