

**NORTH CAROLINA DIVISION OF
AIR QUALITY**

Air Permit Review

Permit Issue Date:

Region: Raleigh Regional Office
County: Chatham
NC Facility ID: 1900063
Inspector's Name: Steve Hall
Date of Last Inspection: 12/10/2003
Compliance Code: 3/In Compliance - Inspection

Facility Data			Permit Applicability (this application only)
Applicant (Facility's Name): Progress Energy Carolinas - Cape Fear Plant Facility Address: Progress Energy Carolinas - Cape Fear Plant 500 CP&L Road Moncure, NC 27559 SIC: 4911 / Electric Services NAICS: 221112 / Fossil Fuel Electric Power Generation Facility Classification: Before: Title V After: Title V Fee Classification: Before: Title V After: Title V			SIP: NSPS: NESHAP: PSD: PSD Avoidance: NC Toxics: 112(r): Other:
Contact Data			Application Data
Facility Contact	Authorized Contact	Technical Contact	Application Number: 1900063.04C Date Received: 07/21/2004 Application Type: Appeal Application Schedule: Appeal Existing Permit Data Existing Permit Number: 01057/T23 Existing Permit Issue Date: 02/26/2004 Existing Permit Expiration Date: 11/30/2005
Arun Kapur Senior Environmental Specialist (919) 774-5208 500 CP&L Road Moncure NC, 27559	Robert Beasley Plant Manager (919) 774-5200 500 CP&L Road Moncure NC, 27559	Earl Enzor Lead Environmental Specialist (919) 362-3582 3932 New Hill-Holleman Road New Hill NC, 27562+0327	
Review Engineer: Ed Martin Review Engineer's Signature: _____ Date: 09/23/2004		Comments / Recommendations: Issue 01057/T24 Permit Issue Date: Permit Expiration Date:	

I. Purpose of Application:

This permit action is the result of a petition filed by Progress Energy on March 18, 2004 (Petition for Contested Case Hearing 04 EHR 0436), which challenged the Federal visible emissions provision (permit condition Part I, Section 2.1.A.3) in the Cape Fear Plant Permit No. 01057T23 issued February 26, 2004. (This petition also applied to permits issued for the Sutton, Weatherspoon and Lee Plants.) Progress Energy and DAQ have agreed that DAQ will reissue the permit to stay the Federal visible emissions monitoring/recordkeeping requirement (reference Joint Stipulation filed July 21, 2004). In addition to staying this requirement, several other administrative-type changes are being made as shown below in Section II. This change is a significant permit modification being made in accordance with 15A NCAC 2Q .0501(d)(1).

II. Permit Changes:

The following changes were made to the Progress Energy Cape Fear Steam Electric Plant Air Permit No. 01057T24:

Page(s):	Part, Section	Change
Cover	-	Amended permit numbers and dates.
3	Part I, Section 1, table of permitted emission sources	Deleted the single asterisk from the “Rotamix ammonia/urea injection system*” for Unit 5 Boiler, since construction is complete for this system.
3	Part I, Section 1, table of permitted emission sources	Added a double asterisk to “Mobotec Rotating Over Fire Air System” and to “Rotamix ammonia/urea injection system” for the Unit 5 Boiler and Unit 6 Boiler.
3	Part I, Section 1, table of permitted emission sources	Added footnote to bottom of table with double asterisk indicating “operated on an as-needed basis”
4-5	Part I, Section 2.1 A, regulation table	Removed asterisk for 15A NCAC 2D .1416 along with associated footnote at bottom of table since permit shield will now apply after public notice and EPA approval of this permit.
7	Part I, Section 2.1 A.3	Added note to state that the permit shield described in General Condition R.1 does not apply to this requirement and note to stay the federal opacity monitoring/recordkeeping requirement.
12	Part I, Section 2.1 A.11	Removed asterisk for 15A NCAC 2D .1416 along with associated footnote at bottom of condition since permit shield will now apply after public notice and EPA approval of this permit.
27	Part II, Section 1, table of permitted emission sources	Deleted “and Rotamix ammonia/urea injection system” from the Unit 5 Boiler Emission Source Description, since construction is complete for this system.
19-26	Part I, Section 3	Added new set of General Conditions.

The Permit was converted from WordPerfect to MS Word at this time.

III. Application Chronology:

The application chronology is detailed on the attached ATS Comprehensive Application Report.

IV. Facility Description

Progress Energy’s Cape Fear Steam Electric Plant is an electric utility that generates electrical power using boilers and combustion turbines. The Cape Fear facility has two coal/used oil/natural gas-fired electric utility boilers (Unit 5 Boiler and Unit 6 Boiler) and four No. 2 fuel oil/natural gas-fired combined-cycle internal combustion turbines (IC Turbines A, B, C and D).

V. Statement of Compliance

The last inspection report in IMPAQ for this facility is November 7, 2001 by Steve Hall and he states that the facility appeared to be in compliance with all requirements outlined in their air permit at the time of the inspection.

VI. Summary of Changes to Emission Sources and Control Devices

NA

VII. Emission and Regulatory Evaluation

NA

VIII. Permit Shield (including non-applicable requirements)

A note was added to state that the permit shield described in General Condition R.1 does not apply to the Federal visible emissions requirement being stayed.

IX. Public Notice

This permit modification is being made in accordance with 15A NCAC 2Q .0501(d)(1) which requires public notice at this time.