

**NORTH CAROLINA DIVISION OF  
AIR QUALITY**

**Air Permit Review**

**Region:** Raleigh Regional Office  
**County:** Chatham  
**NC Facility ID:** 1900063  
**Inspector's Name:** Steve Hall  
**Date of Last Inspection:** 01/06/2005  
**Compliance Code:** 3/In Compliance - Inspection

**Permit Issue Date:**

<b>Facility Data</b>			<b>Permit Applicability (this application only)</b>
<b>Applicant (Facility's Name):</b> Progress Energy Carolinas - Cape Fear Plant  <b>Facility Address:</b> Progress Energy Carolinas - Cape Fear Plant 500 CP&L Road Moncure, NC 27559  <b>SIC:</b> 4911 / Electric Services <b>NAICS:</b> 221112 / Fossil Fuel Electric Power Generation  <b>Facility Classification: Before:</b> Title V <b>After:</b> Title V <b>Fee Classification: Before:</b> Title V <b>After:</b> Title V			<b>SIP:</b> <b>NSPS:</b> <b>NESHAP:</b> <b>PSD:</b> <b>PSD Avoidance:</b> <b>NC Toxics:</b> <b>112(r):</b> <b>Other:</b>
<b>Contact Data</b>			<b>Application Data</b>
<b>Facility Contact</b>	<b>Authorized Contact</b>	<b>Technical Contact</b>	<b>Application Number:</b> 1900063.05B <b>Date Received:</b> 01/26/2005 <b>Application Type:</b> Modification <b>Application Schedule:</b> TV-Reopen for Cause <b>Existing Permit Data</b> <b>Existing Permit Number:</b> 01057/T23 <b>Existing Permit Issue Date:</b> 02/26/2004 <b>Existing Permit Expiration Date:</b> 11/30/2005
Arun Kapur Senior Environmental Specialist (919) 774-5208 500 CP&L Road Moncure NC, 27559	Victoria Will Plant Manager (919) 774-5200 500 CP&L Road Moncure NC, 27559	Scott Lane Senior Environmental Specialist (919) 546-5538 PO Box 1551 Raleigh NC, 27601	
<b>Review Engineer:</b> Ed Martin  <b>Review Engineer's Signature:</b> _____ <b>Date:</b> 03/14/2005  <p style="text-align: center;"><b>DRAFT FOR PUBLIC NOTICE</b></p>		<b>Comments / Recommendations:</b> Issue 01057/T25 <b>Permit Issue Date:</b> <b>Permit Expiration Date:</b>	

**I. Purpose of Application:**

DAQ is reopening this permit to revise General Condition I.A to assure compliance with the reporting requirements under rule 15A NCAC 2Q .0508(f)(2). This rule requires deviations from permit requirements not covered under rule 15A NCAC 2D .0535 (i.e.: for excess emissions lasting less than four hours) to be reported promptly. This change is a result of EPA's comments on several utility permits where they indicate the full reporting requirements of 2Q .0508(f)(2) were not addressed in the permit. EPA defines deviations to include all excess emissions. Therefore, the condition has been revised to require prompt reporting of excess emissions lasting less than four hours to cover the full reporting requirements of 2Q .0508(f)(2). Progress Energy was notified that this change would be made in a letter to Ms. Victoria Will (Responsible Official) from Donald R. van der Vaart dated January 19, 2005. The permit will be reopened no earlier than 60 days after the date of receipt of this letter, pursuant to rule 15A NCAC 2Q .0517. The letter was delivered on January 27, 2005 by certified mail.

This reopening is a significant modification following the procedures in 2Q .0501(c)(1).

## II. Permit Changes:

The following changes were made to the Progress Energy Cape Fear Steam Electric Plant Air Permit No. 01057T25:

Page(s)	Part, Section	Change
Cover	-	Amended permit numbers and dates.
20-21	Part I, Section 3.I.A	Revised General Condition I.A in accordance with letter to Ms. Victoria Will from Donald R. van der Vaart dated January 19, 2005.

## III. 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).

## IV. Permit Shield (including non-applicable requirements)

In accordance with 2Q .0512 the permit will contain a provision stating that compliance with the terms, conditions, and limitations of the Title V permit shall be deemed in compliance with applicable requirements specifically identified in the permit, as of the date of permit issuance. If the permit does not expressly state that a permit shield exists then it shall be presumed not to provide such a shield.

## V. Public Notice and EPA Review

This change is being processed as significant Title V permit modification pursuant to rule 15A NCAC 2D .0501(c)(1). The draft permit is required to go to public notice pursuant to 15A NCAC 2Q .0521 in a newspaper of general circulation in the area where the facility is located. The notice will provide for a 30 day comment period, with an opportunity for a public hearing. The draft permit will also be sent to EPA for review at the time of public notice (parallel review). Copies of the public notice will be sent to persons on the Title V mailing list and EPA. Pursuant to 2Q .0522, a copy of each permit application, each proposed permit and each final permit will be provided to EPA. Also, pursuant to 2Q .0522, a notice of the draft Title V Permit shall be provided to each affected state at or before the time notice provided to the public under 2Q .0521. Affected states for this facility, as specified by 15A NCAC 2Q .0503(1) and 40 CFR 70.8(b), are South Carolina, Georgia, Tennessee and Virginia; North Carolina local air pollution control programs for Western North Carolina Regional Air Quality (Buncombe County), Mecklenburg County and Forsyth County; and the Catawba Indian Nation in York County South Carolina and the Eastern Band of Cherokee Indians in Swain, Jackson and Graham Counties North Carolina.

## VI. Recommendations

later