

**NORTH CAROLINA DIVISION OF
AIR QUALITY**

Air Permit Review

Permit Issue Date:

Region: Winston-Salem Regional Office
County: Rockingham
NC Facility ID: 7900156
Inspector's Name: Eric Hudson
Date of Last Inspection: 11/18/2003
Compliance Code: 3/In Compliance - Inspection

Facility Data			Permit Applicability (this application only)
Applicant (Facility's Name): Rockingham Power LLC Facility Address: Rockingham Power LLC 240 Ernest Drive Reidsville, NC 27320 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: Acid Rain
Contact Data			Application Data
Facility Contact	Authorized Contact	Technical Contact	Application Number: 7900156.04A Date Received: 06/15/2004 Application Type: Modification Application Schedule: TV-Reopen for Cause Existing Permit Data Existing Permit Number: 08731/T04 Existing Permit Issue Date: 12/19/2002 Existing Permit Expiration Date: 11/30/2007
James Doubek Plant Manager (336) 951-1772 240 Earnest Dr Reidsville NC, 27320	James Doubek Plant Manager (336) 951-1772 240 Earnest Dr Reidsville NC, 27320	Barbara Irwin Senior Environmental Professional (217) 872-2363 2828 North Monroe Street Decatur IL, 62526+3269	
Review Engineer: Ed Martin Review Engineer's Signature: _____ Date: 11/8/2004 FOR PUBLIC NOTICE		Comments / Recommendations:	
		Issue 08731/T05 Permit Issue Date: Permit Expiration Date:	

I. Purpose of Application

Rockingham Power has applied for renewal of the Phase II Acid Rain portion of their Title V permit as required by 15A NCAC 2Q .0400 and 40 CFR Part 72. Rockingham Power's Phase II Permit Application was received June 15, 2004. The application will be made part of the final permit. The current Title V permit No. 08731T04 was issued December 19, 2002 and will expire on November 30, 2007. The Acid Rain requirements in this permit covered the five calendar year period from January 1, 2000 through December 31, 2004. The Acid Rain requirements are being renewed for another five years with effective dates from January 1, 2005 through December 31, 2009. The effective dates for the Title V permit itself will not change.

In addition, as shown below, the NOx requirements for the turbines were revised to simplify the language and add interim ozone season reporting; and a new set of General Conditions was added which is the practice when the permit is public noticed.

This permit is being processed as a significant modification under 15A NCAC 2Q .0501(d)(1).

II. Permit Changes:

The following changes were made to the Rockingham Power, LLC Generation Facility Air Permit No. 08731T05:

Page(s):	Part, Section	Change
Cover	-	Amended permit numbers and dates.
9-10	Part I, Section 2.1 A.5	Revised NO _x requirements for the combustion turbines (ID Nos. ES-CT-1 through ES-CT-5) for 2D .1417. Added requirement for interim reporting (condition 2.1 A.5.d) in accordance with 2D .1404(g) to report no later than July 30 of each year the tons of nitrogen oxides emitted during the previous May and June and report no later than October 30 the tons of nitrogen oxides emitted during the previous ozone season.
16	Part I, Section 2.2	Revised effective dates for Phase II Acid Rain Permit Requirements.
17-24	Part I, Section 3	Added new set of General conditions.

The permit was converted to MS Word at this time.

III. Applicable Regulations

15A NCAC 2Q .0400 "Acid Rain Procedures" (40 CFR Part 72 "Permits Regulation")

North Carolina air quality regulation 15A NCAC 2Q .0400 implements Phase II of the federal acid rain program pursuant to Title IV of the CAA as provided in 40 CFR Part 72. Issuance or denial of acid rain permits shall follow the procedures under 40 CFR Part 70 (Title V) and Part 72. If the provisions or requirements of Part 72 conflict or are not included in Part 70, the Part 72 provisions and requirements shall apply and take precedence.

15A NCAC 2Q .0400 "Acid Rain Procedures" (40 CFR Part 75 "Continuous Emissions Monitoring")

This regulation establishes requirements for the installation, certification, operation, and maintenance of continuous emissions or opacity monitoring systems.

IV. Facility Description

The Acid Rain requirements apply to affected units as specified in 2Q .0401(c)(1). The following sources are affected units under 40 CFR Part 72.6 and 15A NCAC 2Q .0401(c)(1) and are therefore subject to the Phase II acid rain requirements:

- CT1** five No. 2 fuel oil/natural gas-fired simple-cycle combustion turbines
- CT2** (Westinghouse Model No. 501F; 1875 million Btu per hour maximum heat
- CT3** input rate when firing natural gas and 1789 million Btu per hour maximum
- CT4** heat input rate when firing No.2 fuel) equipped with dual-fuel dry-low NO_x
- CT5** combustors for NO_x control when firing natural gas and water injection for NO_x control when firing No. 2 fuel oil

V. Emission Requirements

The following tables identify the SO₂ allowance allocations and NO_x requirements for each affected unit for which the amended Phase II Acid Rain Permit is being issued.

		2005	2006	2007	2008	2009
CT1 CT2 CT3 CT4 CT5	SO ₂ allowances, under Tables 2, 3, or 4 of 40 CFR part 73.	NA*	NA*	NA*	NA*	NA*
	NO _x limit	NA**				

* SO₂ allowances are not allocated by U.S. EPA for new units under 40 CFR part 72.

** Does not apply for gas or oil-fired units.

VI. Notice of Intent to Issue Permit

The draft permit public notice will provided for a 30 day comment period, with an opportunity for a public hearing. after which it will be sent to EPA for their 45-day review prior to issuance.